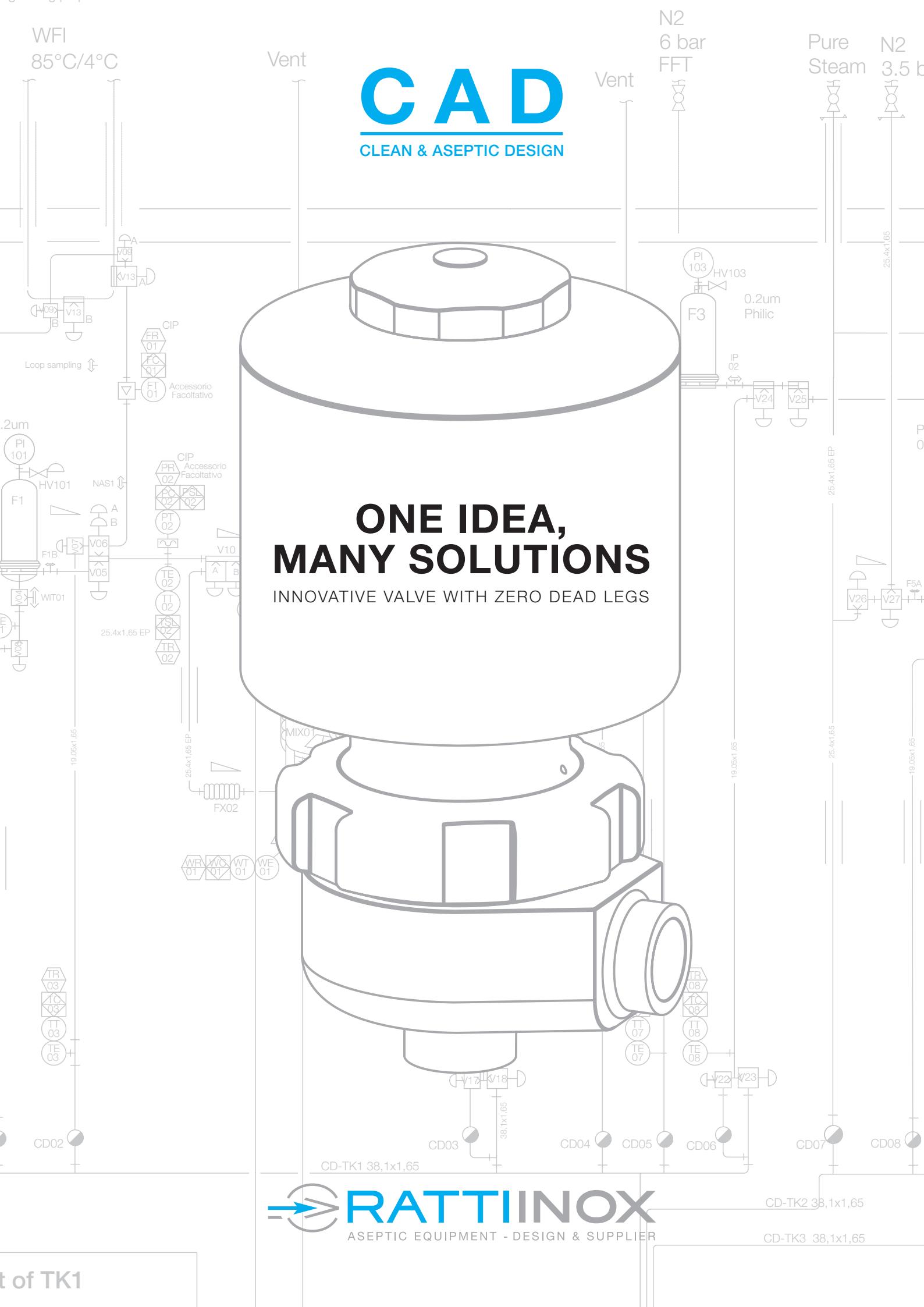


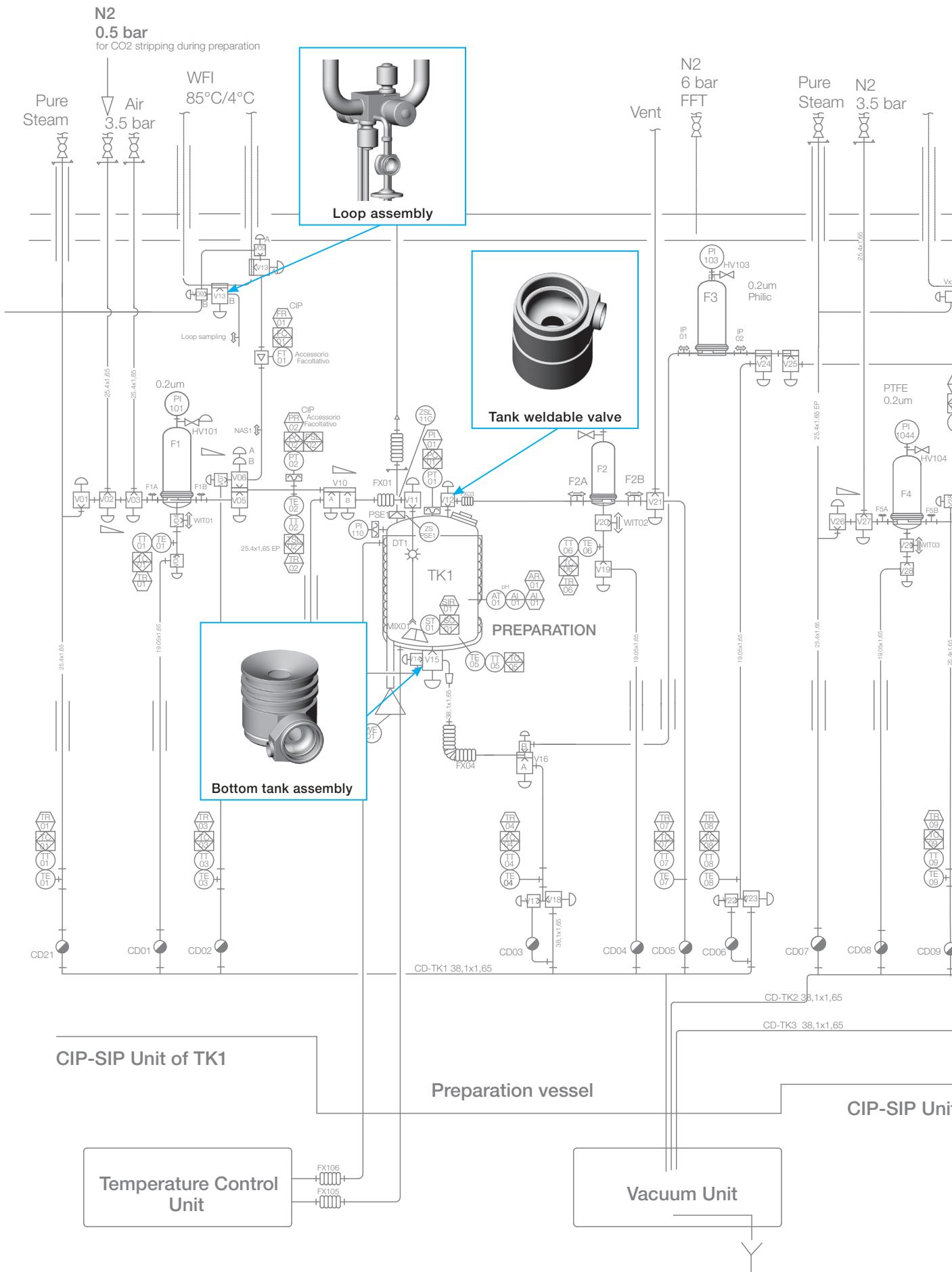
CAD

CLEAN & ASEPTIC DESIGN

ONE IDEA, MANY SOLUTIONS

INNOVATIVE VALVE WITH ZERO DEAD LEGS

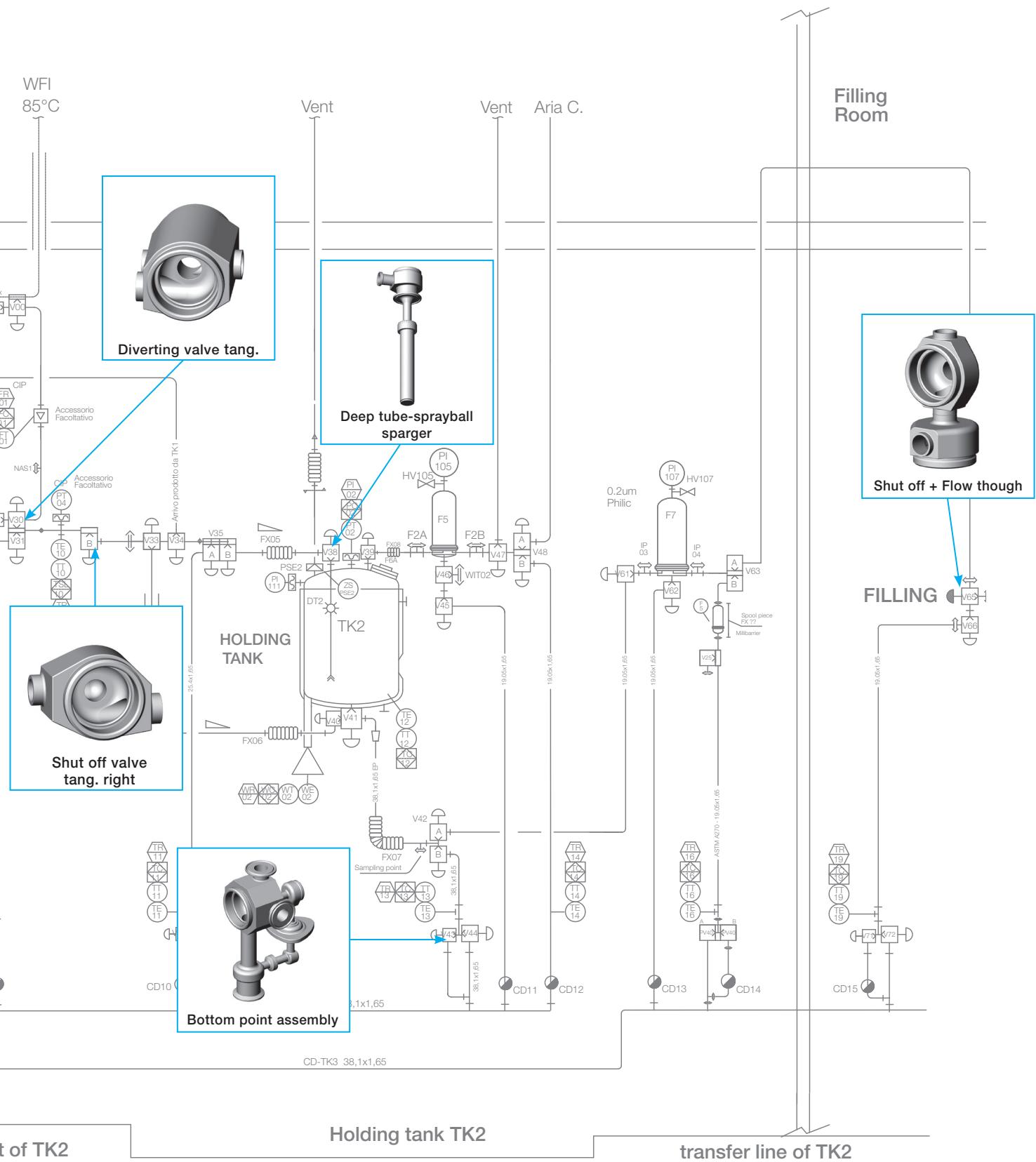




Valves range design. CAD family valves are very wide and under are showed some configurations. Our specialist in process design, will support you for choosing the appropriate one or, to help you to design your solution preparation system with the best solution to achieve free unused portion piping, zero dead legs design, minimize solution hold up, compact design with fast and effective CIP and SIP cycles.

Standard preassembled valves. A various valves assembly are available to speed up process constructions. Point of use, bottom point, and others are available as standard products.

Tailored valves and valves assembly. If required, our specialists will be able to design, built and provide with fast delivery special valves or assembly.

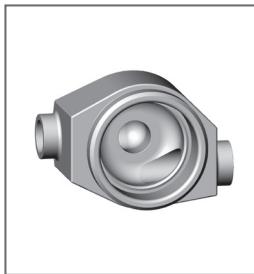


Aseptic processing ask for equipment able to fulfil stringent requirements of CIP and SIP. CAD valves are designed to answer properly process configuration upstream, around and downstream process vessels. The family of CAD valves, also available on ready to use assembly and will offer a wide solution applications able to reach compact design, free of dead legs, allowing to minimize solution hold up. Processing with CAD valves, which are constructed of 2 materials only: EN 1.4435-BN2 and PTFE USP Class VI-121°, will provide you an efficient process system, simple, reliable, and easy to validate.

CAD valves benefits:

- Complaining CIP-SIP Cycles
- No unused portions
- Flush flow design
- Easy process Validation
- Wide range answering applications needs
- Extensive tech documentation for Validation

CAD valves are the key tools able to help you that critical criteria are easily satisfied.



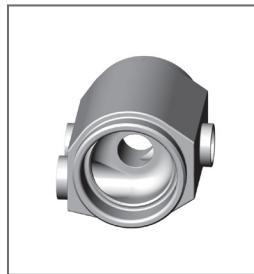
SHUT OFF VALVE

Shut off valve are designed allowing flow control in all pharmaceutical and biotech process. The conceptual design of their body and diaphragm common for all our CAD valves fulfil need for Clean and Aseptic application when requested.



FLOW THROUGH VALVE

Will give opportunity to take off or feed fluid in a process with the same piping size.



DIVERTING VALVE

In the standard configuration shut off valves (IN-OUT 180° or 90° or tangential), will allow to feed different fluid on a common pipe or, vice-versa to divert fluids flowing in the common line in 2 pipelines valves controlled. On demand, they are available with special customized configuration.



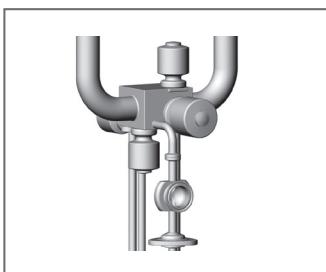
TANK WELDABLE VALVE

Those valves are designed to be able to be welded on top or bottom cover or on the body of vessels. With their long diaphragm they have flush flow seal and allows easy pipe connection even with jacketed vessel or when are used with zero dead leg TC connections.



TAKE OFF ON PIPE VALVE

Scope of such design is to be able to takeoff or feed fluid from a piping using valves with size smaller than the piping.



LOOP ASSEMBLY

Is a ready to use assembled valves for point of use applications. Available on several configuration. Sampling and process valves may be with or without SIP satellite valve. Sampling valve may be configured for bottle sampling or with holder for expandable bags.



BOTTOM TANK ASSEMBLY

Tank outlet valves comes in 2 standard configurations, with or without SIP satellite valve. Each configuration is available with short diaphragm for standard applications or long one to be used with extended body valves which offer the welding of jacket on the vale body.



DEEP TUBE-SPRAYBALL SPARGER

It is a tailored equipment that offer the possibility to feed fluid or gas in the preparation vessel, to perform CIP cycle with the integrated spray ball. In the special version it is added the gas barbotage during preparation. One tools for 2 or 3 functions. May be tailored from 10 to 2.000 liters vessels.



BOTTOM POINT ASSEMBLY

Assembly ready to use, the typical configuration where is required condensate drain separately from CIP line plumbing configuration. It is flexible and offer ports for temperature sensor.

PROCESS VALVES

A 005
Shut Off 90 Valve Body

A 010
Shut Off 90 Valve Body
Tang. Right

A 015
Shut Off 90 Valve Body
Tang. Left

A 020
Shut Off 90 A12 Valve Body
Ecc. Inlet

A 025
Shut Off 90 A19 Valve Body
Ecc. Inlet

A 035
Shut Off 90 A12 Valve Body
Ecc. Inlet - Tang. Right

A 040
Shut Off 90 A19 Valve Body
Ecc. Inlet - Tang. Right

A 050
Shut Off 90 A12 Valve Body
Ecc. Inlet - Tang. Left

A 055
Shut Off 90 A19 Valve Body
Ecc. Inlet - Tang. Left

A 065
Shut Off 180 Valve Body

A 070
Shut Off 180 Valve Body
Tang. Right

A 075
Shut Off 180 Valve Body
Tang. Left

A 080
Flow Through 180
Valve Body

A 105
Flow Through 90
Valve Body

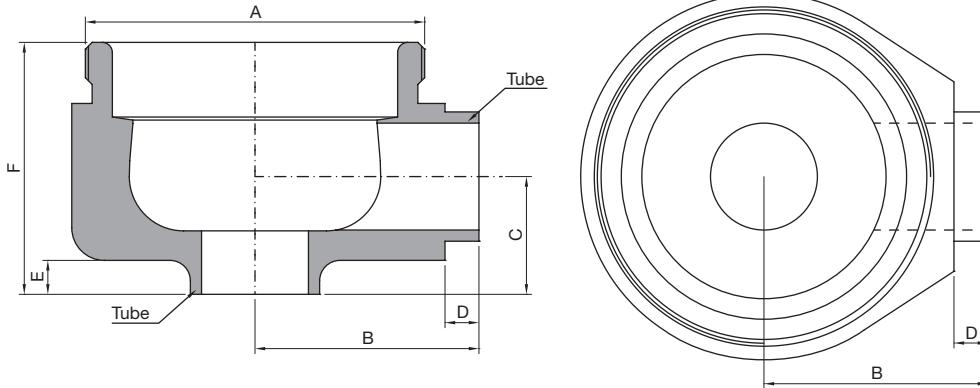
A
B
C
D
E
F
G
H
I
J

TECHNICAL INFORMATION _ CAT. N. YPRO SOCL 0000 A##00

SHUT OFF 90 VALVE BODY

A 005

PROCESS VALVES



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YPRO - SOCL - Shut Off Valves for SAFE areas designed to intercept flow pattern. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YPRO-SOCL-0000-A1200	M34x1	26,00 (1,02)	15,00 (0,59)	5,00 (0,20)	7,30 (0,29)	30,50 (1,20)	12,70x1,65 (0,50x0,065)
YPRO-SOCL-0000-A1900	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,31)	40,00 (1,58)	19,05x1,65 (0,75x0,065)
YPRO-SOCL-0000-A2500	M70x1	47,00 (1,85)	25,00 (0,98)	5,00 (0,20)	10,00 (0,39)	51,00 (2,01)	25,40x1,65 (1,00x0,065)
YPRO-SOCL-0000-A3800	M80x1,5	60,00 (2,36)	34,00 (1,34)	21,00 (0,83)	11,00 (0,43)	70,00 (2,76)	38,10x1,65 (1,50x0,065)
YPRO-SOCL-0000-A5000	M103x1,5	75,00 (2,95)	40,00 (1,58)	24,00 (0,95)	24,00 (0,95)	84,00 (3,31)	50,80x1,65 (2,00x0,065)
YPRO-SOCL-0000-A6300	M120x1,5	85,00 (3,35)	59,00 (2,32)	24,00 (0,95)	12,00 (0,47)	108,50 (4,27)	63,50x1,65 (2,50x0,065)
YPRO-SOCL-0000-A7600	M140x1,5	95,00 (3,74)	68,00 (2,68)	26,00 (1,02)	26,00 (1,02)	129,50 (5,10)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76	
NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	302,03	533,33

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

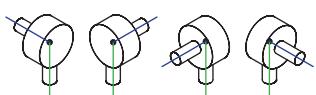
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

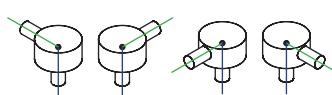
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

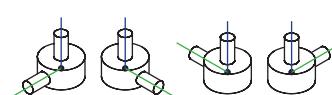
Horizontal Assembly



Vertical Assembly

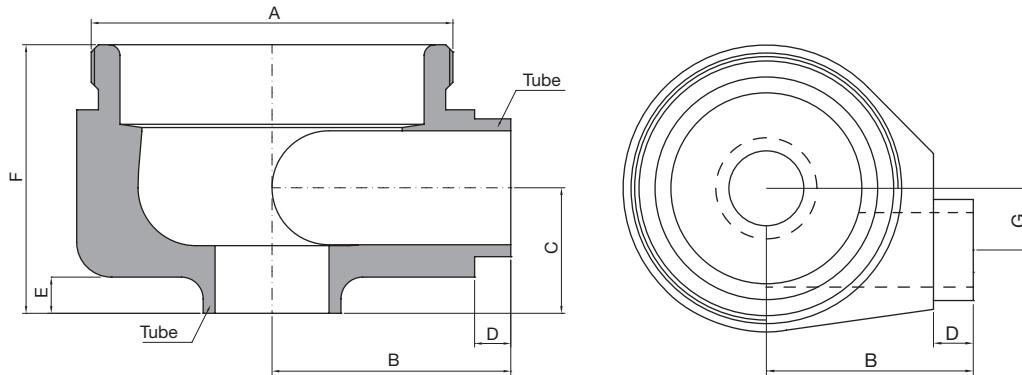


Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YPRO SORL 0000 A##00

SHUT OFF 90 VALVE BODY TANG. RIGHT



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YPRO - SOCL - Shut Off Valves for SAFE areas designed to intercept flow pattern and reach the optimal drainability in the horizontal valve assembly with horizontal outlet. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE* mm (inch)
YPRO-SORL-0000-A1200	M34x1	26,00 (1,02)	15,00 (0,59)	5,00 (0,20)	7,30 (0,29)	30,50 (1,20)	8,00 (0,32)	12,70x1,65 (0,50x0,065)
YPRO-SORL-0000-A1900	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,31)	40,00 (1,58)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
YPRO-SORL-0000-A2500	M70x1	47,00 (1,85)	25,00 (0,98)	5,00 (0,20)	10,00 (0,39)	51,00 (2,01)	17,00 (0,67)	25,40x1,65 (1,00x0,065)
YPRO-SORL-0000-A3800	M80x1,5	60,00 (2,36)	34,00 (1,34)	21,00 (0,83)	11,00 (0,43)	70,00 (2,76)	19,00 (0,75)	38,10x1,65 (1,50x0,065)
YPRO-SORL-0000-A5000	M103x1,5	75,00 (2,95)	40,00 (1,58)	24,00 (0,95)	12,00 (0,47)	84,00 (3,31)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

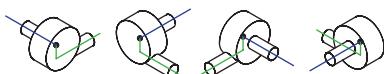
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

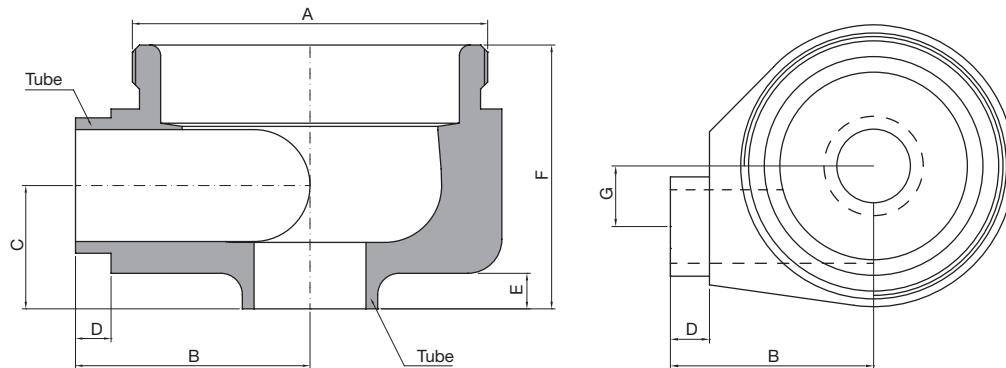
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YPRO SOLL 0000 A##00

SHUT OFF 90 VALVE BODY TANG. LEFT



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YPRO - SOLL - Shut Off Valves for SAFE areas designed to intercept flow pattern and reach the optimal drainability in the horizontal valve assembly with horizontal outlet. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE* mm (inch)
YPRO-SOLL-0000-A1200	M34x1	26,00 (1,02)	15,00 (0,59)	5,00 (0,20)	7,30 (0,29)	30,50 (1,20)	8,00 (0,32)	12,70x1,65 (0,50x0,065)
YPRO-SOLL-0000-A1900	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,31)	40,00 (1,58)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
YPRO-SOLL-0000-A2500	M70x1	47,00 (1,85)	25,00 (0,98)	5,00 (0,20)	10,00 (0,39)	51,00 (2,01)	17,00 (0,67)	25,40x1,65 (1,00x0,065)
YPRO-SOLL-0000-A3800	M80x1,5	60,00 (2,36)	34,00 (1,34)	21,00 (0,83)	11,00 (0,43)	70,00 (2,76)	19,00 (0,75)	38,10x1,65 (1,50x0,065)
YPRO-SOLL-0000-A5000	M103x1,5	75,00 (2,95)	40,00 (1,58)	24,00 (0,95)	12,00 (0,47)	84,00 (3,31)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

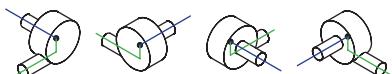
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

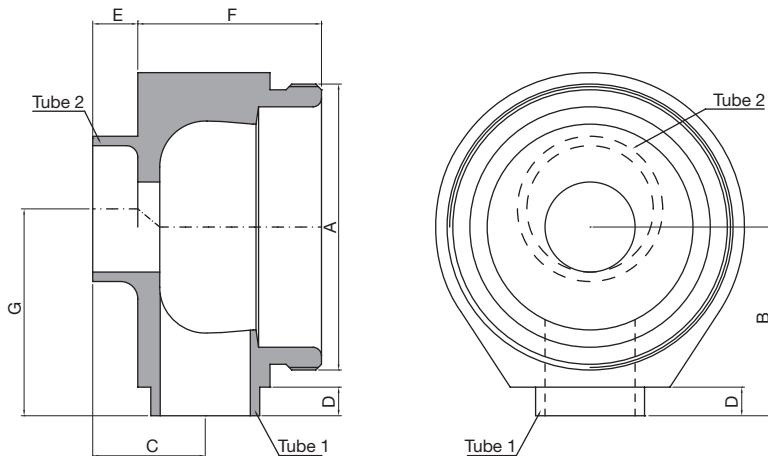
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YPRO SACL 0000 A12##

SHUT OFF 90 A12 VALVE BODY ECC. INLET



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YPRO - SACL - Shut Off Valves for SAFE areas designed to intercept flow pattern when the valve body has to be connected on a bigger pipe size, such as on the CIP/SIP for tank bottom valve. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE 1 mm (inch)	TUBE 2 mm (inch)
YPRO-SACL-0000-A1219	M34x1	26,00 (1,02)	15,00 (0,59)	5,00 (0,20)	7,30 (0,29)	23,00 (0,91)	29,00 (1,14)	12,70x1,65 (0,50x0,065)	19,05x1,65 (0,75x0,065)
YPRO-SACL-0000-A1225	M34x1	26,00 (1,02)	20,00 (0,79)	5,00 (0,20)	7,30 (0,29)	23,00 (0,91)	32,00 (1,26)	12,70x1,65 (0,50x0,065)	25,40x1,65 (1,00x0,065)
YPRO-SACL-0000-A1238	M34x1	26,00 (1,02)	15,00 (0,59)	5,00 (0,20)	7,30 (0,29)	23,00 (0,91)	39,00 (1,54)	12,70x1,65 (0,50x0,065)	38,10x1,65 (1,50x0,065)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A1219	A1225	A1238			
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NET VOLUME⁽¹⁾	ml	2,86	2,86	2,86		
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

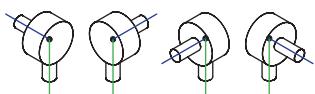
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

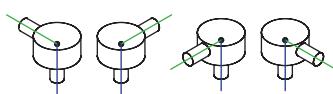
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

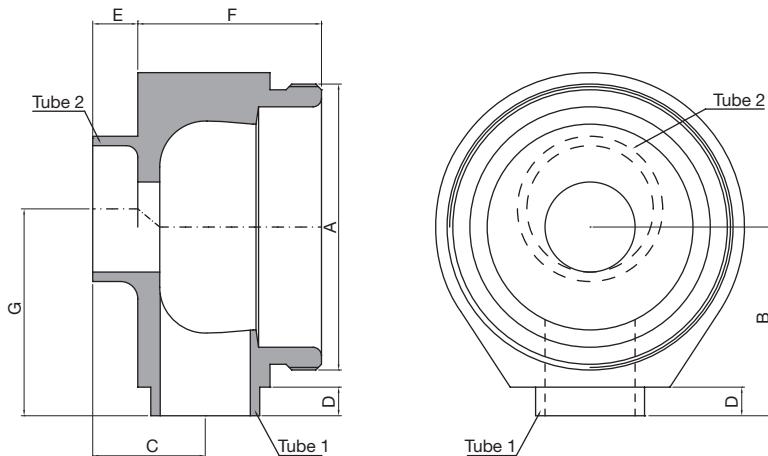


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YPRO SACL 0000 A19##

SHUT OFF 90 A19 VALVE BODY ECC. INLET



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YPRO - SACL - Shut Off Valves for SAFE areas designed to intercept flow pattern when the valve body has to be connected on a bigger pipe size, such as on the CIP/SIP for tank bottom valve. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE 1 mm (inch)	TUBE 2 mm (inch)
YPRO-SACL-0000-A1925	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,32)	32,00 (1,26)	36,00 (1,42)	19,05x1,65 (0,75x0,065)	25,40x1,65 (1,00x0,065)
YPRO-SACL-0000-A1938	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,32)	32,00 (1,26)	42,50 (1,67)	19,05x1,65 (0,75x0,065)	38,10x1,65 (1,50x0,065)
YPRO-SACL-0000-A1950	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,32)	32,00 (1,26)	49,00 (1,93)	19,05x1,65 (0,75x0,065)	50,80x1,65 (2,00x0,065)
YPRO-SACL-0000-A1963	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,32)	32,00 (1,26)	55,00 (2,17)	19,05x1,65 (0,75x0,065)	63,50x1,65 (2,50x0,065)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A1925	A1938	A1950	A1963		
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NET VOLUME⁽¹⁾	ml	10,23	10,23	10,23	10,23	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

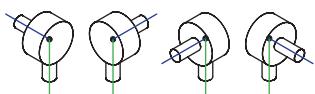
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

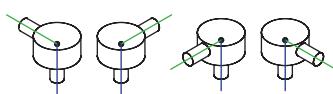
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

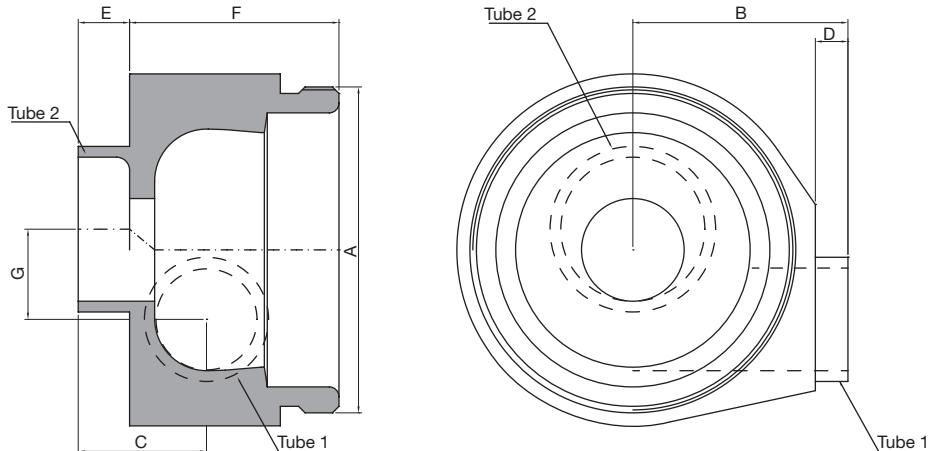


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YPRO SARL 0000 A12##

SHUT OFF 90 A12 VALVE BODY ECC. INLET - TANG. RIGHT



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

SARL - Shut Off Valves for SAFE areas designed to intercept flow pattern when the valve body has to be connected on a bigger pipe size and reach the optimal drainability in the horizontal valve assembly with horizontal outlet, such as on the downstream CIP/SIP through tank bottom valve. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE 1 mm (inch)	TUBE 2 mm (inch)
YPRO-SARL-0000-A1219	M34x1	26,00 (1,02)	15,00 (0,59)	5,00 (0,20)	7,30 (0,29)	23,00 (0,91)	11,00 (0,43)	12,70x1,65 (0,50x0,065)	19,05x1,65 (0,75x0,065)
YPRO-SARL-0000-A1225	M34x1	26,00 (1,02)	15,00 (0,59)	5,00 (0,20)	7,30 (0,29)	23,00 (0,91)	14,00 (0,55)	12,70x1,65 (0,50x0,065)	25,40x1,65 (1,00x0,065)
YPRO-SARL-0000-A1238	M34x1	26,00 (1,02)	15,00 (0,59)	5,00 (0,20)	7,30 (0,29)	23,00 (0,91)	20,50 (0,81)	12,70x1,65 (0,50x0,065)	38,10x1,65 (1,50x0,065)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A1219	A1225	A1238			
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NET VOLUME⁽¹⁾	ml	2,86	2,86	2,86		
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur					
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

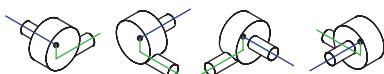
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

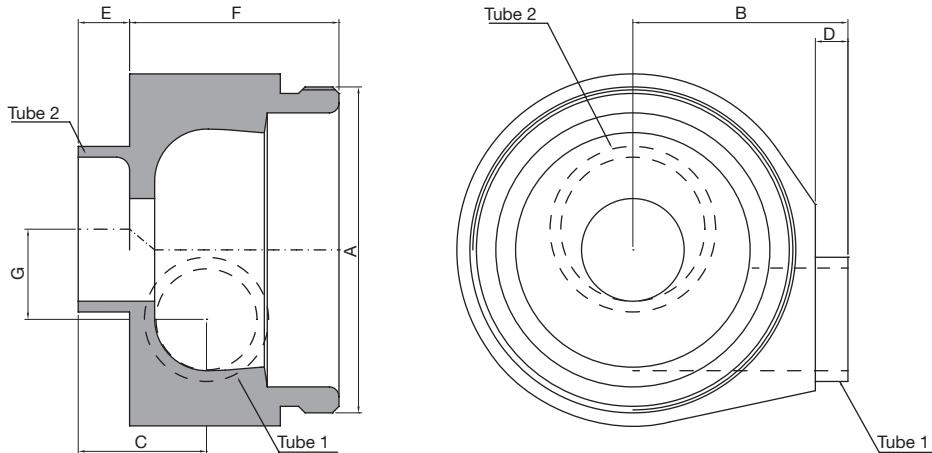
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YPRO SARL 0000 A19##

SHUT OFF 90 A19 VALVE BODY ECC. INLET - TANG. RIGHT



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

SARL - Shut Off Valves for SAFE areas designed to intercept flow pattern when the valve body has to be connected on a bigger pipe size and reach the optimal drainability in the horizontal valve assembly with horizontal outlet, such as on the downstream CIP/SIP through tank bottom valve. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE 1 mm (inch)	TUBE 2 mm (inch)
YPRO-SARL-0000-A1925	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,32)	32,00 (1,26)	14,00 (0,55)	19,05x1,65 (0,75x0,065)	25,40x1,65 (1,00x0,065)
YPRO-SARL-0000-A1938	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,32)	32,00 (1,26)	20,00 (0,79)	19,05x1,65 (0,75x0,065)	38,10x1,65 (1,50x0,065)
YPRO-SARL-0000-A1950	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,32)	32,00 (1,26)	26,50 (1,04)	19,05x1,65 (0,75x0,065)	50,80x1,65 (2,00x0,065)
YPRO-SARL-0000-A1963	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,32)	32,00 (1,26)	33,00 (1,30)	19,05x1,65 (0,75x0,065)	63,50x1,65 (2,50x0,065)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A1925	A1938	A1950	A1963		
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NET VOLUME⁽¹⁾	ml	10,23	10,23	10,23	10,23	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

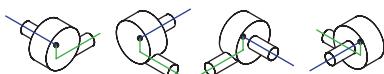
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

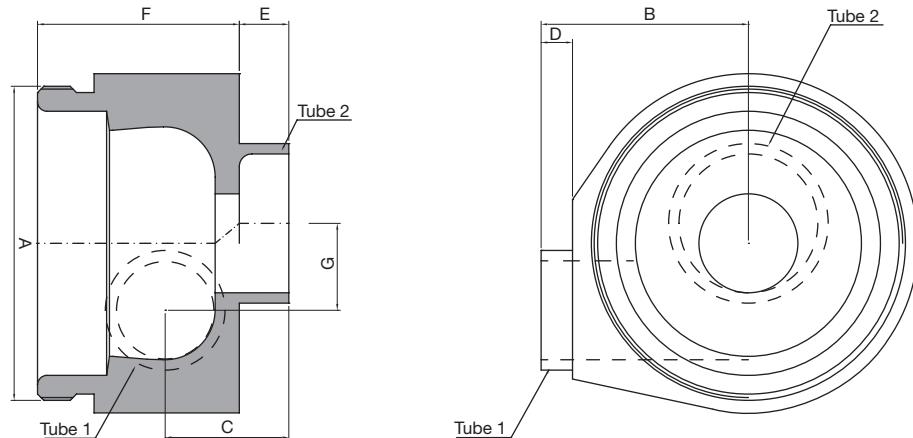
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YPRO SALL 0000 A12##

SHUT OFF 90 A12 VALVE BODY ECC. INLET - TANG. LEFT



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

SARL - Shut Off Valves for SAFE areas designed to intercept flow pattern when the valve body has to be connected on a bigger pipe size and reach the optimal drainability in the horizontal valve assembly with horizontal outlet, such as on the downstream CIP/SIP through tank bottom valve. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE 1 mm (inch)	TUBE 2 mm (inch)
YPRO-SALL-0000-A1219	M34x1	26,00 (1,02)	15,00 (0,59)	5,00 (0,20)	7,30 (0,29)	23,00 (0,91)	11,00 (0,43)	12,70x1,65 (0,50x0,065)	19,05x1,65 (0,75x0,065)
YPRO-SALL-0000-A1225	M34x1	26,00 (1,02)	15,00 (0,59)	5,00 (0,20)	7,30 (0,29)	23,00 (0,91)	14,00 (0,55)	12,70x1,65 (0,50x0,065)	25,40x1,65 (1,00x0,065)
YPRO-SALL-0000-A1238	M34x1	26,00 (1,02)	15,00 (0,59)	5,00 (0,20)	7,30 (0,29)	23,00 (0,91)	20,50 (0,81)	12,70x1,65 (0,50x0,065)	38,10x1,65 (1,50x0,065)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A1219	A1225	A1238			
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NET VOLUME⁽¹⁾	ml	2,86	2,86	2,86		
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur				
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

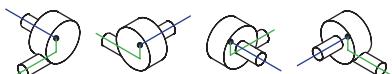
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

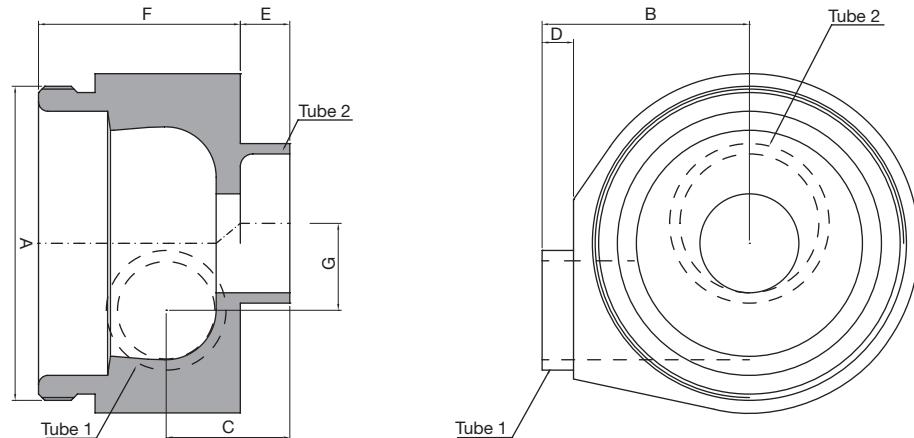
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YPRO SALL 0000 A19##

SHUT OFF 90 A19 VALVE BODY ECC. INLET - TANG. LEFT



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

SALL - Shut Off Valves for SAFE areas designed to intercept flow pattern when the valve body has to be connected on a bigger pipe size and reach the optimal drainability in the horizontal valve assembly with horizontal outlet, such as on the downstream CIP/SIP through tank bottom valve. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE 1 mm (inch)	TUBE 2 mm (inch)
YPRO-SALL-0000-A1925	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,32)	32,00 (1,26)	14,00 (0,55)	19,05x1,65 (0,75x0,065)	25,40x1,65 (1,00x0,065)
YPRO-SALL-0000-A1938	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,32)	32,00 (1,26)	20,00 (0,79)	19,05x1,65 (0,75x0,065)	38,10x1,65 (1,50x0,065)
YPRO-SALL-0000-A1950	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,32)	32,00 (1,26)	26,50 (1,04)	19,05x1,65 (0,75x0,065)	50,80x1,65 (2,00x0,065)
YPRO-SALL-0000-A1963	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,32)	32,00 (1,26)	33,00 (1,30)	19,05x1,65 (0,75x0,065)	63,50x1,65 (2,50x0,065)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A1925	A1938	A1950	A1963		
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NET VOLUME⁽¹⁾	ml	10,23	10,23	10,23	10,23	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

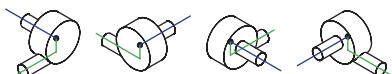
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

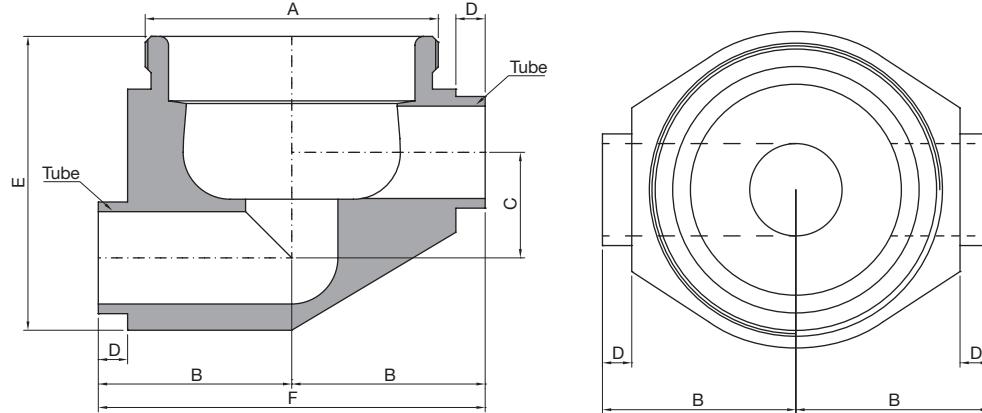


TECHNICAL INFORMATION _ CAT. N. YPRO SOCI 0000 A##00

SHUT OFF 180° VALVE BODY

A 065

PROCESS VALVES



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YPRO - SOCI - Shut Off 180° Valves are designed with the aim to intercept flow pattern on pipe for SAFE areas. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YPRO-SOCI-0000-A1200	M34x1	26,00 (1,02)	12,00 (0,47)	5,00 (0,20)	35,00 (1,38)	52,00 (2,05)	12,70x1,65 (0,50x0,065)
YPRO-SOCI-0000-A1900	M50x1	33,00 (1,30)	18,00 (0,71)	5,00 (0,20)	50,00 (1,97)	66,00 (2,59)	19,05x1,65 (0,75x0,065)
YPRO-SOCI-0000-A2500	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	66,00 (2,60)	94,00 (3,70)	25,40x1,65 (1,00x0,065)
YPRO-SOCI-0000-A3800	M80x1,5	60,00 (2,36)	37,00 (1,46)	21,00 (0,83)	96,00 (3,78)	120,00 (4,72)	38,10x1,65 (1,50x0,065)
YPRO-SOCI-0000-A5000	M103x1,5	75,00 (2,95)	50,00 (1,97)	24,00 (0,95)	122,00 (4,80)	150,00 (5,91)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76
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NET VOLUME ⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	302,03	533,33
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

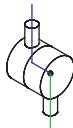
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

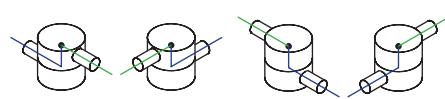
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



Vertical Assembly

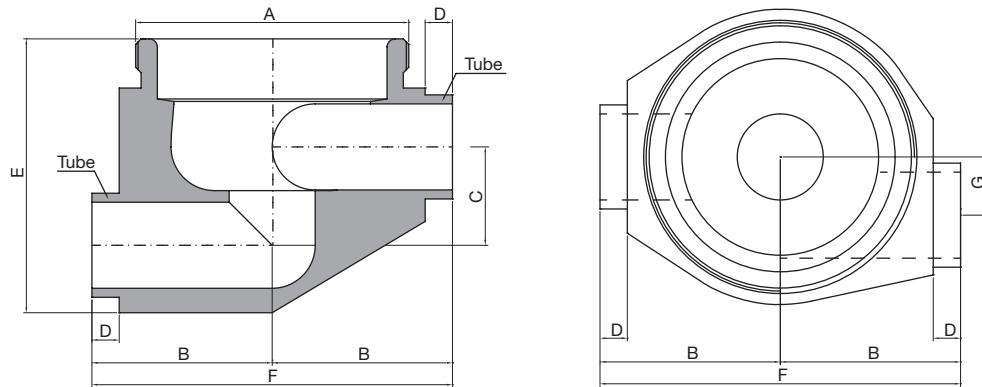


TECHNICAL INFORMATION _ CAT. N. YPRO SORI 0000 A##00

SHUT OFF 180 VALVE BODY TANG. RIGHT

A 070

PROCESS VALVES



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YPRO - SORI - Shut Off 180° Valves are designed with the aim to intercept flow pattern on pipe for SAFE areas and reach the optimal drainability in the horizontal valve assembly with horizontal outlet. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE* mm (inch)
YPRO-SORI-0000-A1200	M34x1	26,00 (1,02)	12,00 (0,47)	5,00 (0,20)	35,00 (1,38)	52,00 (2,05)	8,00 (0,32)	12,70x1,65 (0,50x0,065)
YPRO-SORI-0000-A1900	M50x1	33,00 (1,30)	18,00 (0,71)	5,00 (0,20)	50,00 (1,97)	66,00 (2,59)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
YPRO-SORI-0000-A2500	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	66,00 (2,60)	94,00 (3,70)	17,00 (0,67)	25,40x1,65 (1,00x0,065)
YPRO-SORI-0000-A3800	M80x1,5	60,00 (2,36)	37,00 (1,46)	21,00 (0,83)	96,00 (3,78)	120,00 (4,72)	19,00 (0,75)	38,10x1,65 (1,50x0,065)
YPRO-SORI-0000-A5000	M103x1,5	75,00 (2,95)	50,00 (1,97)	24,00 (0,95)	122,00 (4,80)	150,00 (5,91)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

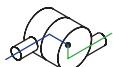
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

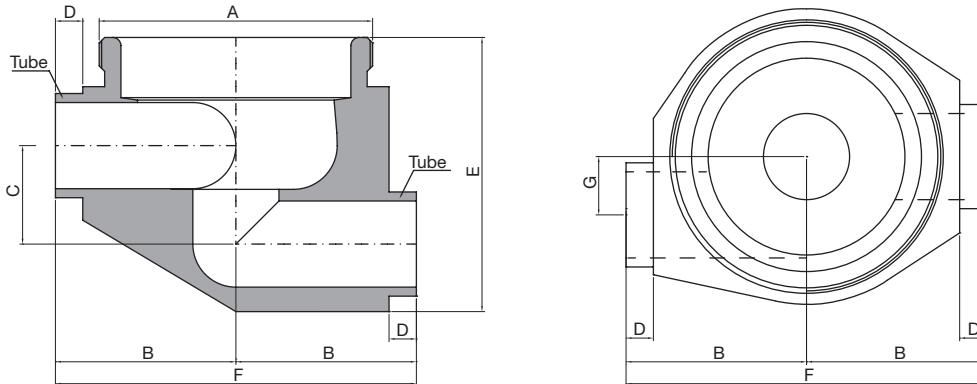
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YPRO SOLI 0000 A##00

SHUT OFF 180° VALVE BODY TANG. LEFT



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YPRO - SOLI - Shut Off 180° Valves are designed with the aim to intercept flow pattern on pipe for SAFE areas and reach the optimal drainability in the horizontal valve assembly with horizontal outlet.. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE* mm (inch)
YPRO-SOLI-0000-A1200	M34x1	26,00 (1,02)	12,00 (0,47)	5,00 (0,20)	35,00 (1,38)	52,00 (2,05)	8,00 (0,32)	12,70x1,65 (0,50x0,065)
YPRO-SOLI-0000-A1900	M50x1	33,00 (1,30)	18,00 (0,71)	5,00 (0,20)	50,00 (1,97)	66,00 (2,59)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
YPRO-SOLI-0000-A2500	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	66,00 (2,60)	94,00 (3,70)	17,00 (0,67)	25,40x1,65 (1,00x0,065)
YPRO-SOLI-0000-A3800	M80x1,5	60,00 (2,36)	37,00 (1,46)	21,00 (0,83)	96,00 (3,78)	120,00 (4,72)	19,00 (0,75)	38,10x1,65 (1,50x0,065)
YPRO-SOLI-0000-A5000	M103x1,5	75,00 (2,95)	50,00 (1,97)	24,00 (0,95)	122,00 (4,80)	150,00 (5,91)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: ShutOff bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

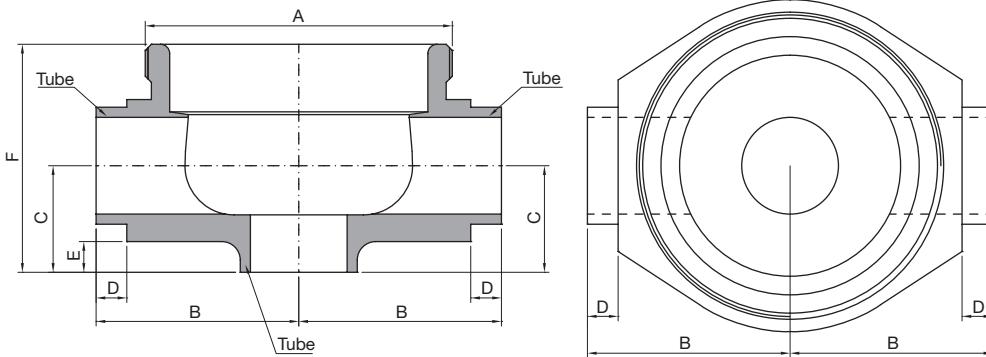
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YPRO FTCI 0000 A##00

FLOW THROUGH 180 VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YPRO – FTCI - Flow Through Valves are designed to have the body integrated on process piping with the aim to feed or take off fluids or gases from the process piping. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YPRO-FTCI-0000-A1200	M34x1	26,00 (1,02)	15,00 (0,59)	5,00 (0,20)	7,30 (0,29)	30,50 (1,20)	12,70x1,65 (0,50x0,065)
YPRO-FTCI-0000-A1900	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,31)	40,00 (1,58)	19,05x1,65 (0,75x0,065)
YPRO-FTCI-0000-A2500	M70x1	47,00 (1,85)	25,00 (0,98)	5,00 (0,20)	10,00 (0,39)	51,00 (2,01)	25,40x1,65 (1,00x0,065)
YPRO-FTCI-0000-A3800	M80x1,5	60,00 (2,36)	34,00 (1,34)	21,00 (0,83)	11,00 (0,43)	70,00 (2,76)	38,10x1,65 (1,50x0,065)
YPRO-FTCI-0000-A5000	M103x1,5	75,00 (2,95)	40,00 (1,58)	24,00 (0,95)	12,00 (0,47)	84,00 (3,31)	50,80x1,65 (2,00x0,065)
YPRO-FTCI-0000-A6300	M120x1,5	85,00 (3,35)	59,00 (2,32)	24,00 (0,95)	24,00 (0,95)	108,50 (4,27)	63,50x1,65 (2,50x0,065)
YPRO-FTCI-0000-A7600	M140x1,5	95,00 (3,74)	68,00 (2,68)	26,00 (1,02)	26,00 (1,02)	129,50 (5,10)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	302,03	533,33
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

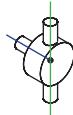
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Flow Tru bodies are available also to 90°, tangential outlet Left or Right

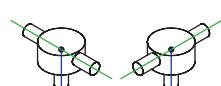
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

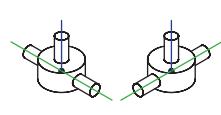
Horizontal Assembly



Vertical Assembly

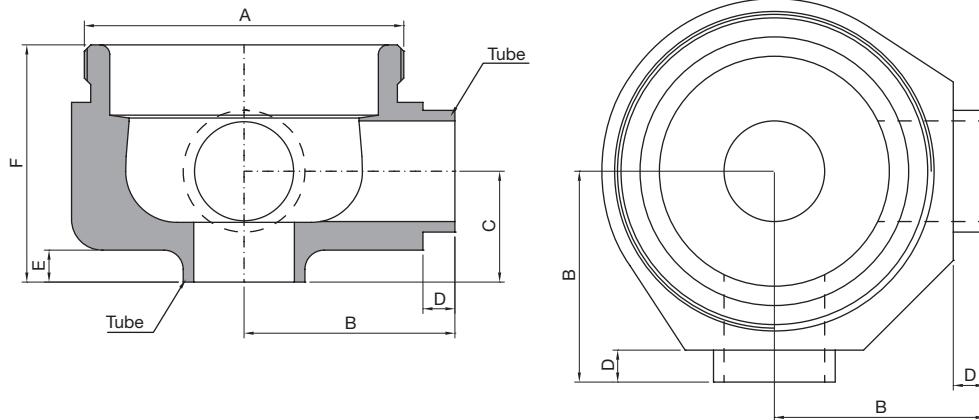


Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YPRO FTCL 0000 A##00

FLOW THROUGH 90 VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YPRO – FTCL - Flow Through Valves are designed to have the body integrated on process piping with the aim to feed or take off fluids or gases from the process piping. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YPRO-FTCL-0000-A1200	M34x1	26,00 (1,02)	15,00 (0,59)	5,00 (0,20)	7,30 (0,29)	30,50 (1,20)	12,70x1,65 (0,50x0,065)
YPRO-FTCL-0000-A1900	M50x1	33,00 (1,30)	20,00 (0,79)	5,00 (0,20)	8,00 (0,31)	40,00 (1,58)	19,05x1,65 (0,75x0,065)
YPRO-FTCL-0000-A2500	M70x1	47,00 (1,85)	25,00 (0,98)	5,00 (0,20)	10,00 (0,39)	51,00 (2,01)	25,40x1,65 (1,00x0,065)
YPRO-FTCL-0000-A3800	M80x1,5	60,00 (2,36)	34,00 (1,34)	21,00 (0,83)	11,00 (0,43)	70,00 (2,76)	38,10x1,65 (1,50x0,065)
YPRO-FTCL-0000-A5000	M103x1,5	75,00 (2,95)	40,00 (1,58)	24,00 (0,95)	12,00 (0,47)	84,00 (3,31)	50,80x1,65 (2,00x0,065)
YPRO-FTCL-0000-A6300	M120x1,5	85,00 (3,35)	59,00 (2,32)	24,00 (0,95)	24,00 (0,95)	108,50 (4,27)	63,50x1,65 (2,50x0,065)
YPRO-FTCL-0000-A7600	M140x1,5	95,00 (3,74)	68,00 (2,68)	26,00 (1,02)	26,00 (1,02)	129,50 (5,10)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	302,03	533,33
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

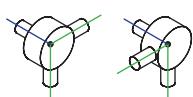
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Flow Tru bodies are available also to 180°, tangential outlet Left or Right

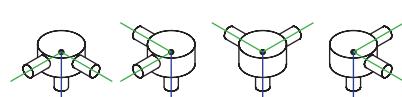
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

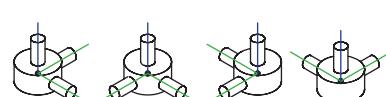
Horizontal Assembly



Vertical Assembly



Upside-Down Assembly



BOTTOM TANK VALVES

A
B
C
D
E
F
G
H
I
J

B 005
Bottom Tank
Shut Off 90
Valve Body

B 025
Bottom Tank
Flow Through 90
Valve Body

B 030
Bottom Tank
Flow Through 180
Valve Body

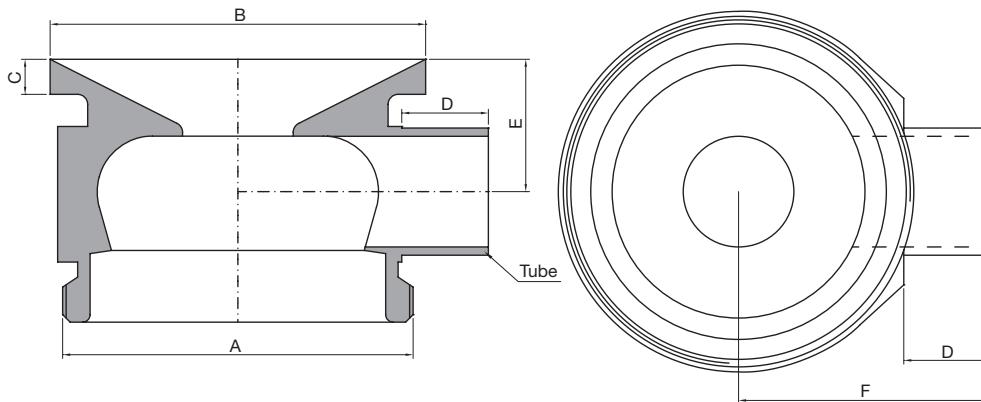
B 035
Bottom Tank
Shut Off 90
Extended Valve Body

B 055
Bottom Tank
Flow Through 90
Extended Valve Body

B 060
Bottom Tank
Flow Through 180
Extended Valve Body

TECHNICAL INFORMATION _ CAT. N. YBWX SOCL 0000 A##00

BOTTOM TANK SHUT OFF 90 VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YBWX – SOCL – Bottom Tank Shut Off Valves are designed to take off fluids from the tank bottom. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YBWX-SOCL-0000-A1200	M34x1	40,00 (1,58)	6,50 (0,26)	13,50 (0,53)	18,50 (0,73)	30,00 (1,18)	12,70x1,65 (0,50x0,065)
YBWX-SOCL-0000-A1900	M50x1	55,00 (2,17)	7,00 (0,28)	16,00 (0,63)	22,00 (0,87)	40,00 (1,58)	19,05x1,65 (0,75x0,065)
YBWX-SOCL-0000-A2500	M70x1	75,00 (2,95)	7,00 (0,28)	17,00 (0,67)	26,50 (1,04)	50,00 (1,97)	25,40x1,65 (1,00x0,065)
YBWX-SOCL-0000-A3800	M80x1,5	85,00 (3,35)	7,00 (0,28)	19,00 (0,75)	34,00 (1,34)	60,00 (2,36)	38,10x1,65 (1,50x0,065)
YBWX-SOCL-0000-A5000	M103x1,5	110,00 (4,33)	7,00 (0,28)	23,00 (0,91)	40,00 (1,58)	75,00 (2,95)	50,80x1,65 (2,00x0,065)
YBWX-SOCL-0000-A6300	M120x1,5	125,00 (4,92)	10,00 (0,39)	24,00 (0,95)	48,00 (1,89)	85,00 (3,35)	63,50x1,65 (2,50x0,065)
YBWX-SOCL-0000-A7600	M140x1,5	150,00 (5,91)	10,00 (0,39)	29,00 (1,14)	58,00 (2,28)	100,00 (3,94)	76,20x1,65 (3,00x0,065)
YBWX-SOCL-0000-A0000	M169x1,5	180,00 (7,09)	15,00 (0,59)	30,00 (1,18)	72,50 (2,85)	115,00 (4,53)	101,60x2,11 (4,00x0,083)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76	A00
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NET VOLUME ⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	302,03	533,33	1302,90
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

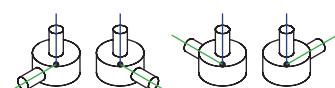
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Flow Tru bodies are available also to 90°, tangential outlet Left or Right

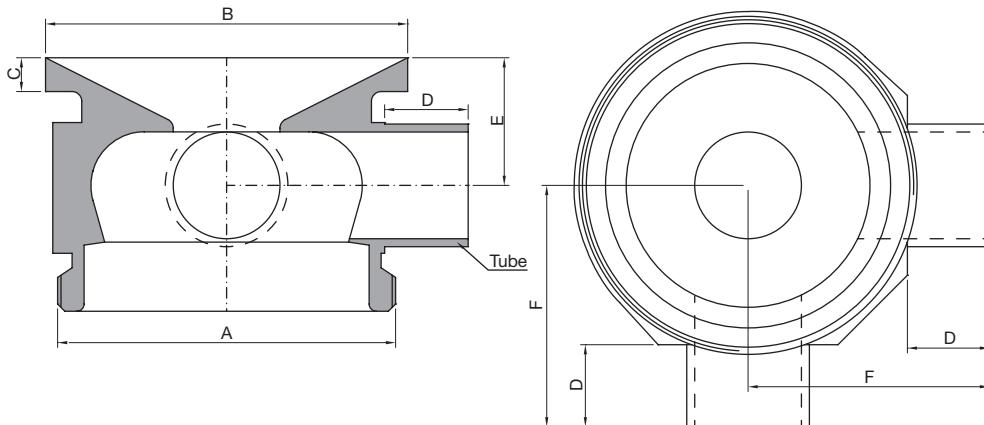
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Upside-Down Assembly


TECHNICAL INFORMATION _ CAT. N. YBWX FTCL 0000 A##00

BOTTOM TANK FLOW THROUGH 90 VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

BYBWX - FTCL - Bottom Tank Flow Through Valves are designed to take off fluids from the tank bottom. The additional connection may be connected to a Shut Off Valve for CIP/SIP downstream vessel processes. The Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE* mm (inch)
YBWX-FTCL-0000-A1200	M34x1	40,00 (1,58)	6,50 (0,26)	13,50 (0,53)	19,50 (0,77)	30,00 (1,18)	18,50 (0,73)	12,70x1,65 (0,50x0,065)
YBWX-FTCL-0000-A1900	M50x1	55,00 (2,17)	7,00 (0,28)	16,00 (0,63)	22,50 (0,89)	40,00 (1,58)	22,00 (0,87)	19,05x1,65 (0,75x0,065)
YBWX-FTCL-0000-A2500	M70x1	75,00 (2,95)	7,00 (0,28)	17,00 (0,67)	28,00 (1,10)	50,00 (1,97)	26,50 (1,04)	25,40x1,65 (1,00x0,065)
YBWX-FTCL-0000-A3800	M80x1,5	85,00 (3,35)	7,00 (0,28)	19,00 (0,75)	35,50 (1,40)	60,00 (2,36)	34,00 (1,34)	38,10x1,65 (1,50x0,065)
YBWX-FTCL-0000-A5000	M103x1,5	110,00 (4,33)	7,00 (0,28)	23,00 (0,91)	42,00 (1,65)	75,00 (2,95)	40,00 (1,58)	50,80x1,65 (2,00x0,065)
YBWX-FTCL-0000-A6300	M120x1,5	125,00 (4,92)	10,00 (0,39)	24,00 (0,95)	50,00 (1,97)	85,00 (3,35)	48,00 (1,89)	63,50x1,65 (2,50x0,065)
YBWX-FTCL-0000-A7600	M140x1,5	150,00 (5,91)	10,00 (0,39)	29,00 (1,14)	60,00 (2,36)	100,00 (3,94)	58,00 (2,28)	76,20x1,65 (3,00x0,065)
YBWX-FTCL-0000-A0000	M169x1,5	180,00 (7,09)	15,00 (0,59)	30,00 (1,18)	74,50 (2,93)	115,00 (4,53)	72,50 (2,85)	101,60x2,11 (4,00x0,083)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76	A00
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NET VOLUME ⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	302,03	533,33	1302,90
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

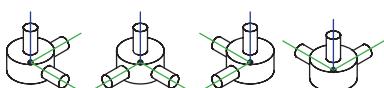
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Flow Tru bodies are available also to 90°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

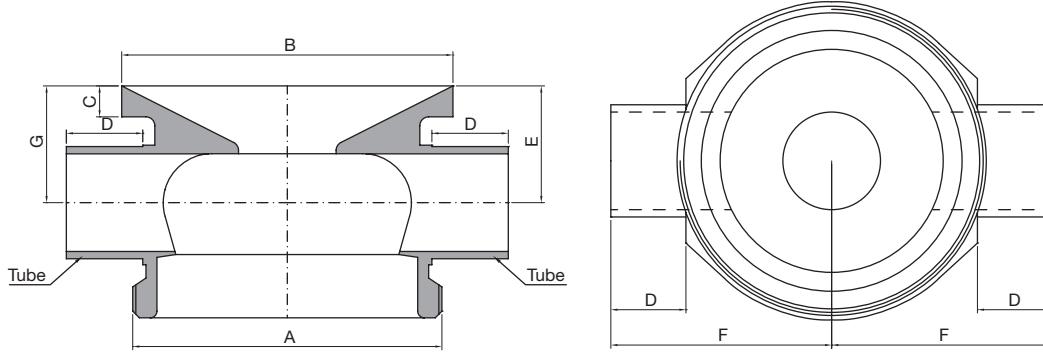
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YBWX FTCI 0000 A##00

BOTTOM TANK FLOW THROUGH 180 VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YBWX - FTCI - Bottom Tank Flow Through Valves are designed to take off fluids from the tank bottom. The additional connection may be connected to a Shut Off Valve for CIP/SIP processes. The Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE* mm (inch)
YBWX-FTCI-0000-A1200	M34x1	40,00 (1,58)	6,50 (0,26)	13,50 (0,53)	18,50 (0,73)	30,00 (1,18)	18,50 (0,73)	12,70x1,65 (0,50x0,065)
YBWX-FTCI-0000-A1900	M50x1	55,00 (2,17)	7,00 (0,28)	16,00 (0,63)	22,00 (0,87)	40,00 (1,58)	22,00 (0,87)	19,05x1,65 (0,75x0,065)
YBWX-FTCI-0000-A2500	M70x1	75,00 (2,95)	7,00 (0,28)	17,00 (0,67)	26,50 (1,04)	50,00 (1,97)	26,50 (1,04)	25,40x1,65 (1,00x0,065)
YBWX-FTCI-0000-A3800	M80x1,5	85,00 (3,35)	7,00 (0,28)	19,00 (0,75)	34,00 (1,34)	60,00 (2,36)	34,00 (1,34)	38,10x1,65 (1,50x0,065)
YBWX-FTCI-0000-A5000	M103x1,5	110,00 (4,33)	7,00 (0,28)	23,00 (0,91)	40,00 (1,58)	75,00 (2,95)	40,00 (1,58)	50,80x1,65 (2,00x0,065)
YBWX-FTCI-0000-A6300	M120x1,5	125,00 (4,92)	10,00 (0,39)	24,00 (0,95)	48,00 (1,89)	85,00 (3,35)	48,00 (1,89)	63,50x1,65 (2,50x0,065)
YBWX-FTCI-0000-A7600	M140x1,5	150,00 (5,91)	10,00 (0,39)	29,00 (1,14)	58,00 (2,28)	100,00 (3,94)	58,00 (2,28)	76,20x1,65 (3,00x0,065)
YBWX-FTCI-0000-A0000	M169x1,5	180,00 (7,09)	15,00 (0,59)	30,00 (1,18)	72,50 (2,85)	115,00 (4,53)	72,50 (2,85)	101,60x2,11 (4,00x0,083)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76	A00
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NET VOLUME ⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	302,03	533,33	1302,90
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Flow Tru bodies are available also to 90°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

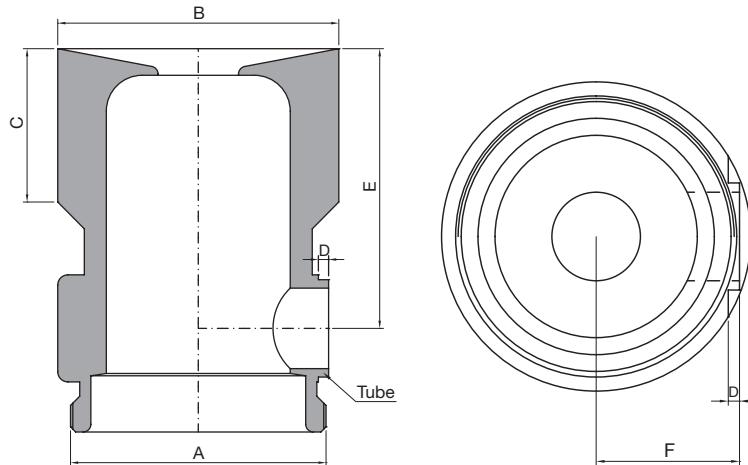
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YBWX SEJL 0000 A##00

BOTTOM TANK SHUT OFF 90 EXTENDED VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YBWX - SEJL - Extended Bottom Tank Shut Off Valves are designed to take off fluids from the tank bottom, reaching the full insulation of the vessel. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YBWX-SEJL-0000-A1200	M34x1	40,00 (1,57)	20,00 (0,79)	3,00 (0,12)	36,50 (1,44)	19,00 (0,75)	12,70x1,65 (0,50x0,065)
YBWX-SEJL-0000-A1900	M50x1	55,00 (2,17)	30,00 (1,18)	3,00 (0,12)	55,00 (2,17)	25,50 (1,00)	19,05x1,65 (0,75x0,065)
YBWX-SEJL-0000-A2500	M70x1	75,00 (2,95)	35,00 (1,38)	3,00 (0,12)	62,00 (2,44)	35,00 (1,38)	25,40x1,65 (1,00x0,065)
YBWX-SEJL-0000-A3800	M80x1,5	100,00 (3,94)	42,00 (1,65)	4,00 (0,16)	79,50 (3,13)	45,50 (1,79)	38,10x1,65 (1,50x0,065)
YBWX-SEJL-0000-A5000	M103x1,5	125,00 (4,92)	45,00 (1,78)	5,00 (0,20)	90,00 (3,54)	56,00 (2,20)	50,80x1,65 (2,00x0,065)
YBWX-SEJL-0000-A6300	M120x1,5	150,00 (5,91)	45,00 (1,78)	5,00 (0,20)	97,00 (3,82)	66,00 (2,60)	63,50x1,65 (2,50x0,065)
YBWX-SEJL-0000-A7600	M140x1,5	165,00 (6,50)	45,00 (1,78)	5,00 (0,20)	108,00 (4,25)	74,00 (2,91)	76,20x1,65 (3,00x0,065)
YBWX-SEJL-0000-A0000	M169x1,5	210,00 (8,27)	50,00 (1,97)	5,00 (0,20)	127,50 (5,02)	90,00 (3,54)	101,60x2,11 (4,00x0,083)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76	A00
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NET VOLUME ⁽¹⁾	ml	9,65	41,97	86,49	216,64	390,54	607,25	936,58	2053,22
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

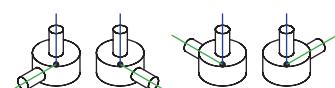
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Flow Tru bodies are available also to 90°, tangential outlet Left or Right

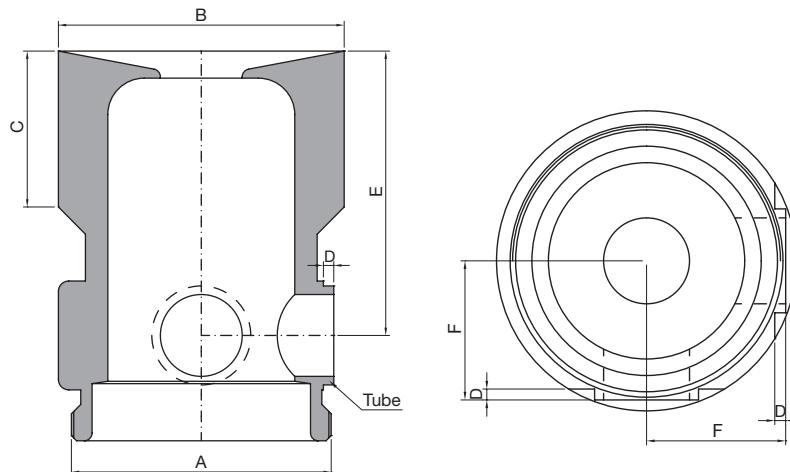
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Upside-Down Assembly


TECHNICAL INFORMATION _ CAT. N. YBWX FEJL 0000 A##00

BOTTOM TANK FLOW THROUGH 90 EXTENDED VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YBWX - FEJL - Extended Bottom Tank Flow Through Valves are designed to take off fluids from the tank bottom, reaching the full insulation of the vessel. The additional connection may be connected to a Shut Off Valve for CIP/SIP of downstream vessel processes. The Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YBWX-FEJL-0000-A1200	M34x1	40,00 (1,57)	20,00 (0,79)	3,00 (0,12)	36,50 (1,44)	19,00 (0,75)	12,70x1,65 (0,50x0,065)
YBWX-FEJL-0000-A1900	M50x1	55,00 (2,17)	30,00 (1,18)	3,00 (0,12)	55,00 (2,17)	25,50 (1,00)	19,05x1,65 (0,75x0,065)
YBWX-FEJL-0000-A2500	M70x1	75,00 (2,95)	35,00 (1,38)	3,00 (0,12)	62,00 (2,44)	35,00 (1,38)	25,40x1,65 (1,00x0,065)
YBWX-FEJL-0000-A3800	M80x1,5	100,00 (3,94)	42,00 (1,65)	4,00 (0,16)	79,50 (3,13)	45,50 (1,79)	38,10x1,65 (1,50x0,065)
YBWX-FEJL-0000-A5000	M103x1,5	125,00 (4,92)	45,00 (1,78)	5,00 (0,20)	90,00 (3,54)	56,00 (2,20)	50,80x1,65 (2,00x0,065)
YBWX-FEJL-0000-A6300	M120x1,5	150,00 (5,91)	45,00 (1,78)	5,00 (0,20)	97,00 (3,82)	66,00 (2,60)	63,50x1,65 (2,50x0,065)
YBWX-FEJL-0000-A7600	M140x1,5	165,00 (6,50)	45,00 (1,78)	5,00 (0,20)	108,00 (4,25)	74,00 (2,91)	76,20x1,65 (3,00x0,065)
YBWX-SEJL-0000-A0000	M169x1,5	210,00 (8,27)	50,00 (1,97)	5,00 (0,20)	127,50 (5,02)	90,00 (3,54)	101,60x2,11 (4,00x0,083)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76	A00
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NET VOLUME ⁽¹⁾	ml	9,65	41,97	86,49	216,64	390,54	607,25	936,58	2053,22
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

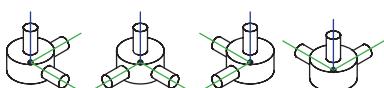
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Flow Tru bodies are available also to 90°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

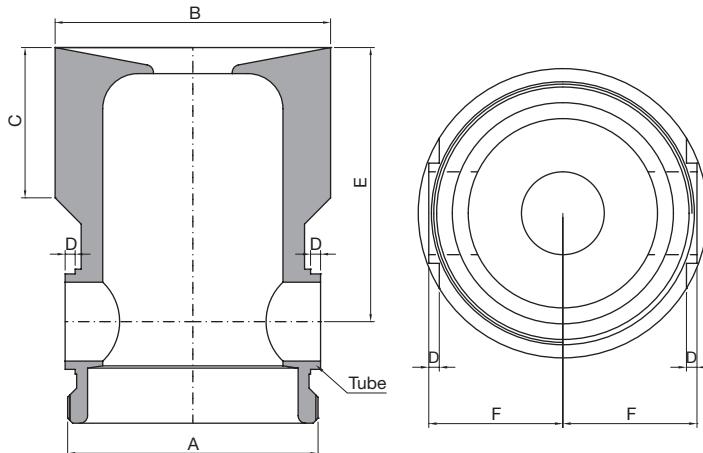
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YBWX FEJI 0000 A##00

BOTTOM TANK FLOW THROUGH 180 EXTENDED VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YBWX - FEJI - Extended Bottom Tank Flow Through Valves are designed to take off fluids from the tank bottom, reaching the full insulation of the vessel. The additional connection may be connected to a Shut Off Valve for CIP/SIP of downstream vessel processes. The Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YBWX-FEJI-0000-A1200	M34x1	40,00 (1,57)	20,00 (0,79)	3,00 (0,12)	36,50 (1,44)	19,00 (0,75)	12,70x1,65 (0,50x0,065)
YBWX-FEJI-0000-A1900	M50x1	55,00 (2,17)	30,00 (1,18)	3,00 (0,12)	55,00 (2,17)	25,50 (1,00)	19,05x1,65 (0,75x0,065)
YBWX-FEJI-0000-A2500	M70x1	75,00 (2,95)	35,00 (1,38)	3,00 (0,12)	62,00 (2,44)	35,00 (1,38)	25,40x1,65 (1,00x0,065)
YBWX-FEJI-0000-A3800	M80x1,5	100,00 (3,94)	42,00 (1,65)	4,00 (0,16)	79,50 (3,13)	45,50 (1,79)	38,10x1,65 (1,50x0,065)
YBWX-FEJI-0000-A5000	M103x1,5	125,00 (4,92)	45,00 (1,78)	5,00 (0,20)	90,00 (3,54)	56,00 (2,20)	50,80x1,65 (2,00x0,065)
YBWX-FEJI-0000-A6300	M120x1,5	150,00 (5,91)	45,00 (1,78)	5,00 (0,20)	97,00 (3,82)	66,00 (2,60)	63,50x1,65 (2,50x0,065)
YBWX-FEJI-0000-A7600	M140x1,5	165,00 (6,50)	45,00 (1,78)	5,00 (0,20)	108,00 (4,25)	74,00 (2,91)	76,20x1,65 (3,00x0,065)
YBWX-FEJI-0000-A0000	M169x1,5	210,00 (8,27)	50,00 (1,97)	5,00 (0,20)	127,50 (5,02)	90,00 (3,54)	101,60x2,11 (4,00x0,083)

(*) US Tube ASTM® A269/270 - ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76	A00
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NET VOLUME ⁽¹⁾	ml	9,65	41,97	86,49	216,64	390,54	607,25	936,58	2053,22
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

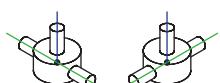
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Flow Tru bodies are available also to 90°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Upside-Down Assembly



TANK WELDABLE VALVES

A
B
C
D
E
F
G
H
I
J

C 005
Shut Off 90
Tank Weldable Valve Body

C 010
Shut Off 90
Tank Weldable Valve Body
Tang. Right

C 015
Shut Off 90
Tank Weldable Valve Body
Tang. Left

C 020
Flow Through 180
Tank Weldable Valve Body

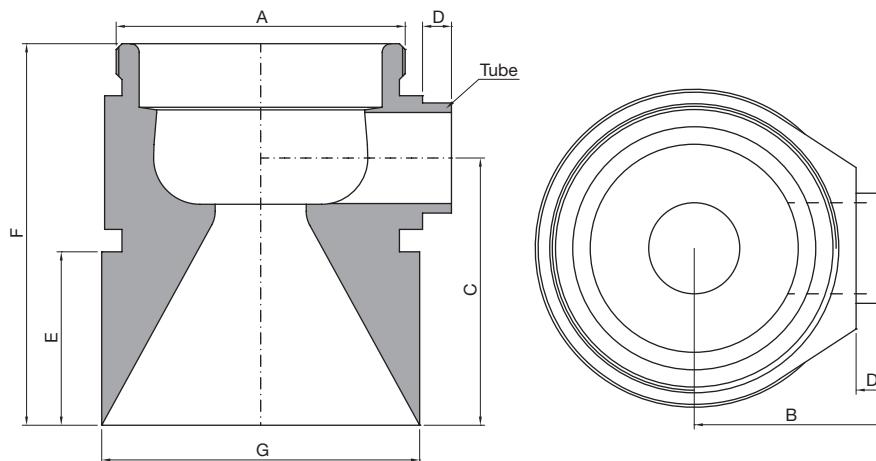
C 025
Flow Through 180
Tank Weldable Valve Body
Tang. Right

C 030
Flow Through 180
Tank Weldable Valve Body
Tang. Left

C 035
Flow Through 90
Tank Weldable Valve Body

TECHNICAL INFORMATION _ CAT. N. YTWX SOCL 0000 A##00

SHUT OFF 90 TANK WELDABLE VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YTWX - SOCL - Tank Weldable Shut Off Valves are designed to intercept flow pattern when welded on a vessel wall. The long conical inlet may be modify according to the design of the internal shape of the vessel to reach flush flow design. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE* mm (inch)
YTWX-SOCL-0000-A1200	M34x1	26,00 (1,02)	39,00 (1,54)	5,00 (0,20)	25,00 (0,98)	54,50 (2,15)	45,00 (1,77)	12,70x1,65 (0,50x0,065)
YTWX-SOCL-0000-A1900	M50x1	33,00 (1,30)	46,00 (1,81)	5,00 (0,20)	30,00 (1,18)	66,00 (2,60)	55,00 (2,17)	19,05x1,65 (0,75x0,065)
YTWX-SOCL-0000-A2500	M70x1	47,00 (1,85)	59,00 (2,32)	5,00 (0,20)	35,00 (1,38)	85,00 (3,35)	75,00 (2,95)	25,40x1,65 (1,00x0,065)
YTWX-SOCL-0000-A3800	M80x1,5	60,00 (2,36)	70,00 (2,76)	21,00 (0,83)	42,00 (1,65)	106,00 (4,17)	80,00 (3,15)	38,10x1,65 (1,50x0,065)
YTWX-SOCL-0000-A5000	M103x1,5	75,00 (2,95)	79,00 (3,11)	24,00 (0,95)	45,00 (1,77)	123,00 (4,84)	100,00 (3,94)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

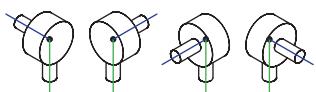
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

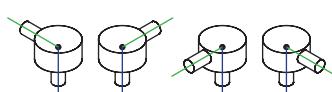
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

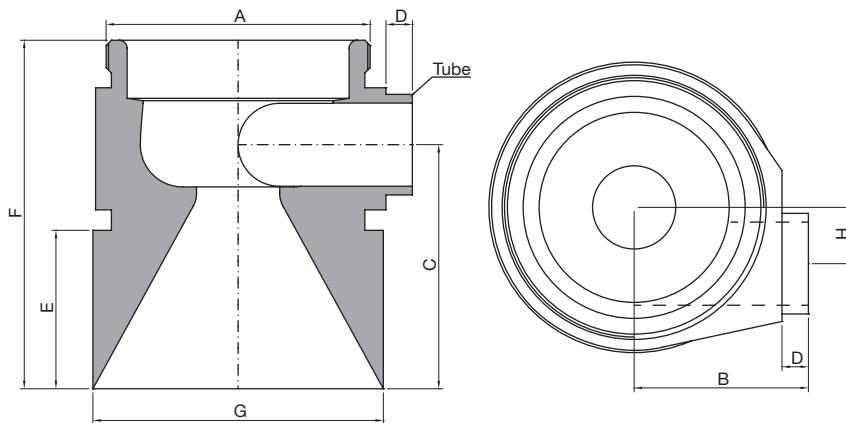


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YTWX SORL 0000 A##00

SHUT OFF 90 TANK WELDABLE VALVE BODY TANG. RIGHT



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YTWX - SORL - Tank Weldable Shut Off Valves are designed to intercept flow pattern when welded on a vessel wall and reach the optimal drainability in the horizontal valve assembly with horizontal outlet. The long conical inlet may be modify according to the design of the internal shape of the vessel reducing the Dead-Leg. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	H mm (inch)	TUBE* mm (inch)
YTWX-SORL-0000-A1200	M34x1	26,00 (1,02)	39,00 (1,54)	5,00 (0,20)	25,00 (0,98)	54,50 (2,15)	45,00 (1,77)	8,00 (0,32)	12,70x1,65 (0,50x0,065)
YTWX-SORL-0000-A1900	M50x1	33,00 (1,30)	46,00 (1,81)	5,00 (0,20)	30,00 (1,18)	66,00 (2,60)	55,00 (2,17)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
YTWX-SORL-0000-A2500	M70x1	47,00 (1,85)	59,00 (2,32)	5,00 (0,20)	35,00 (1,38)	85,00 (3,35)	75,00 (2,95)	17,00 (0,67)	25,40x1,65 (1,00x0,065)
YTWX-SORL-0000-A3800	M80x1,5	60,00 (2,36)	70,00 (2,76)	21,00 (0,83)	42,00 (1,65)	106,00 (4,17)	80,00 (3,15)	19,00 (0,75)	38,10x1,65 (1,50x0,065)
YTWX-SORL-0000-A5000	M103x1,5	75,00 (2,95)	79,00 (3,11)	24,00 (0,95)	45,00 (1,77)	123,00 (4,84)	100,00 (3,94)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME ⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

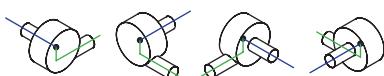
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

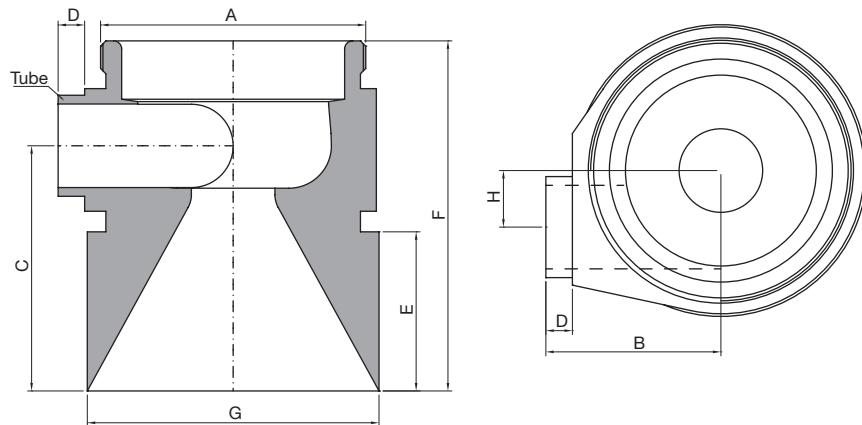
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YTWX SOLL 0000 A##00

SHUT OFF 90 TANK WELDABLE VALVE BODY TANG. LEFT



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YTWX-SOLL - Tank Weldable Shut Off Valves are designed to intercept flow pattern when welded on a vessel and reach the optimal drainability in the horizontal valve assembly with horizontal outlet. The long conical inlet may be modified according to the design of the internal shape of the vessel reducing the Dead-Leg. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	H mm (inch)	TUBE* mm (inch)
YTWX-SOLL-0000-A1200	M34x1	26,00 (1,02)	39,00 (1,54)	5,00 (0,20)	25,00 (0,98)	54,50 (2,15)	45,00 (1,77)	8,00 (0,32)	12,70x1,65 (0,50x0,065)
YTWX-SOLL-0000-A1900	M50x1	33,00 (1,30)	46,00 (1,81)	5,00 (0,20)	30,00 (1,18)	66,00 (2,60)	55,00 (2,17)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
YTWX-SOLL-0000-A2500	M70x1	47,00 (1,85)	59,00 (2,32)	5,00 (0,20)	35,00 (1,38)	85,00 (3,35)	75,00 (2,95)	17,00 (0,67)	25,40x1,65 (1,00x0,065)
YTWX-SOLL-0000-A3800	M80x1,5	60,00 (2,36)	70,00 (2,76)	21,00 (0,83)	42,00 (1,65)	106,00 (4,17)	80,00 (3,15)	19,00 (0,75)	38,10x1,65 (1,50x0,065)
YTWX-SOLL-0000-A5000	M103x1,5	75,00 (2,95)	79,00 (3,11)	24,00 (0,95)	45,00 (1,77)	123,00 (4,84)	100,00 (3,94)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	
NET VOLUME ⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

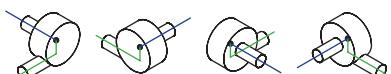
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

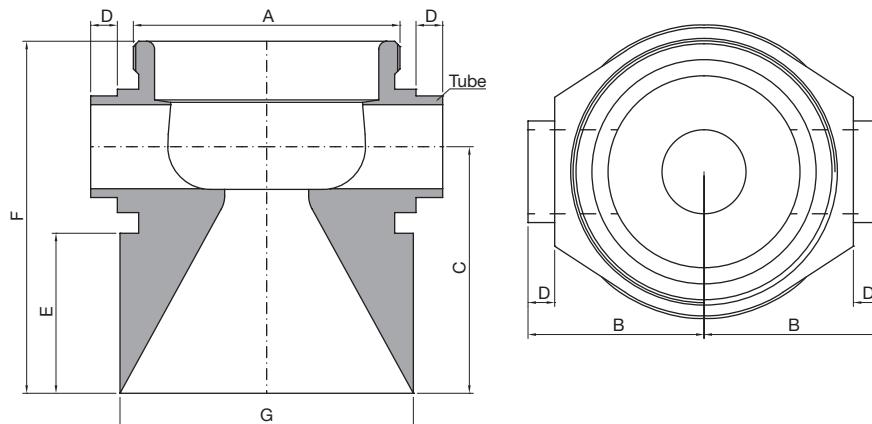
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YTWX FTCI 0000 A##00

FLOW THROUGH 180 TANK WELDABLE VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YTWX – FTCI – Tank Weldable Flow Through Valves are designed to intercept on line flow pattern when welded on a vessel and reach the optimal drainability in the horizontal valve assembly with horizontal outlet. The long conical inlet may be modified according to the design of the internal shape of the vessel reducing the Dead-Leg. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE* mm (inch)
YTWX-FTCI-0000-A1200	M34x1	26,00 (1,02)	39,00 (1,54)	5,00 (0,20)	25,00 (0,98)	54,50 (2,15)	45,00 (1,77)	12,70x1,65 (0,50x0,065)
YTWX-FTCI-0000-A1900	M50x1	33,00 (1,30)	46,00 (1,81)	5,00 (0,20)	30,00 (1,18)	66,00 (2,60)	55,00 (2,17)	19,05x1,65 (0,75x0,065)
YTWX-FTCI-0000-A2500	M70x1	47,00 (1,85)	59,00 (2,32)	5,00 (0,20)	35,00 (1,38)	85,00 (3,35)	75,00 (2,95)	25,40x1,65 (1,00x0,065)
YTWX-FTCI-0000-A3800	M80x1,5	60,00 (2,36)	70,00 (2,76)	21,00 (0,83)	42,00 (1,65)	106,00 (4,17)	80,00 (3,15)	38,10x1,65 (1,50x0,065)
YTWX-FTCI-0000-A5000	M103x1,5	75,00 (2,95)	79,00 (3,11)	24,00 (0,95)	45,00 (1,77)	123,00 (4,84)	100,00 (3,94)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

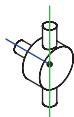
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

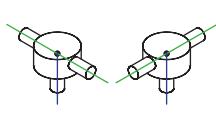
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

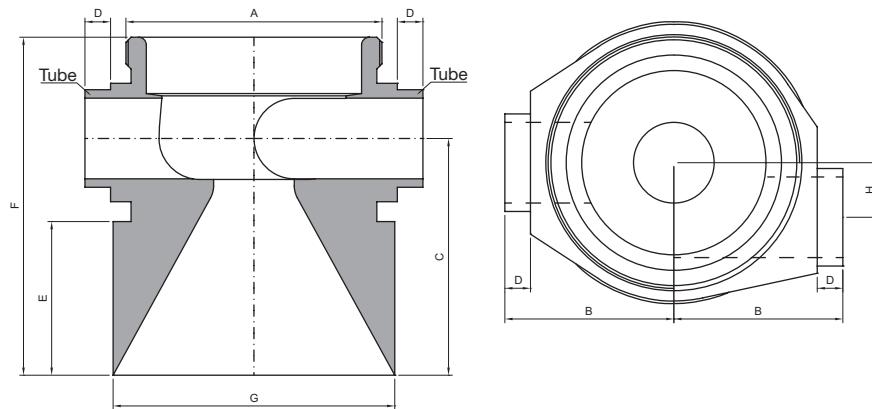


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YTWX FTRI 0000 A##00

FLOW THROUGH 180 TANK WELDABLE VALVE BODY TANG. RIGHT



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YTWX - FTRI - Tank Weldable Flow Through Valves are designed to intercept on line flow pattern when welded on a vessel and reach the optimal drainability in the horizontal valve assembly with horizontal outlet. The long conical inlet may be modified according to the design of the internal shape of the vessel reducing the Dead-Leg. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	H mm (inch)	TUBE* mm (inch)
YTWX-FTRI-0000-A1200	M34x1	26,00 (1,02)	39,00 (1,54)	5,00 (0,20)	25,00 (0,98)	54,50 (2,15)	45,00 (1,77)	8,00 (0,32)	12,70x1,65 (0,50x0,065)
YTWX-FTRI-0000-A1900	M50x1	33,00 (1,30)	46,00 (1,81)	5,00 (0,20)	30,00 (1,18)	66,00 (2,60)	55,00 (2,17)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
YTWX-FTRI-0000-A2500	M70x1	47,00 (1,85)	59,00 (2,32)	5,00 (0,20)	35,00 (1,38)	85,00 (3,35)	75,00 (2,95)	17,00 (0,67)	25,40x1,65 (1,00x0,065)
YTWX-FTRI-0000-A3800	M80x1,5	60,00 (2,36)	70,00 (2,76)	21,00 (0,83)	42,00 (1,65)	106,00 (4,17)	80,00 (3,15)	19,00 (0,75)	38,10x1,65 (1,50x0,065)
YTWX-FTRI-0000-A5000	M103x1,5	75,00 (2,95)	79,00 (3,11)	24,00 (0,95)	45,00 (1,77)	123,00 (4,84)	100,00 (3,94)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME ⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

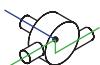
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

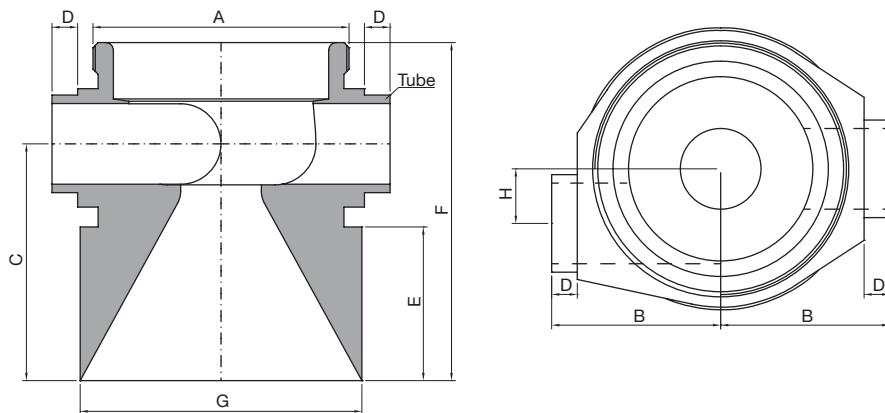
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YTWX FTLI 0000 A##00

FLOW THROUGH 180 TANK WELDABLE VALVE BODY TANG. LEFT



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YTWX-FTLI - Tank Weldable Flow Through Valves are designed to intercept on line flow pattern when welded on a vessel and reach the optimal drainability in the horizontal valve assembly with horizontal outlet. The long conical inlet may be modified according to the design of the internal shape of the vessel reducing the Dead-Leg. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	H mm (inch)	TUBE* mm (inch)
YTWX-FTLI-0000-A1200	M34x1	26,00 (1,02)	39,00 (1,54)	5,00 (0,20)	25,00 (0,98)	54,50 (2,15)	45,00 (1,77)	8,00 (0,32)	12,70x1,65 (0,50x0,065)
YTWX-FTLI-0000-A1900	M50x1	33,00 (1,30)	46,00 (1,81)	5,00 (0,20)	30,00 (1,18)	66,00 (2,60)	55,00 (2,17)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
YTWX-FTLI-0000-A2500	M70x1	47,00 (1,85)	59,00 (2,32)	5,00 (0,20)	35,00 (1,38)	85,00 (3,35)	75,00 (2,95)	17,00 (0,67)	25,40x1,65 (1,00x0,065)
YTWX-FTLI-0000-A3800	M80x1,5	60,00 (2,36)	70,00 (2,76)	21,00 (0,83)	42,00 (1,65)	106,00 (4,17)	80,00 (3,15)	19,00 (0,75)	38,10x1,65 (1,50x0,065)
YTWX-FTLI-0000-A5000	M103x1,5	75,00 (2,95)	79,00 (3,11)	24,00 (0,95)	45,00 (1,77)	123,00 (4,84)	100,00 (3,94)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME ⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

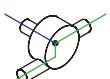
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

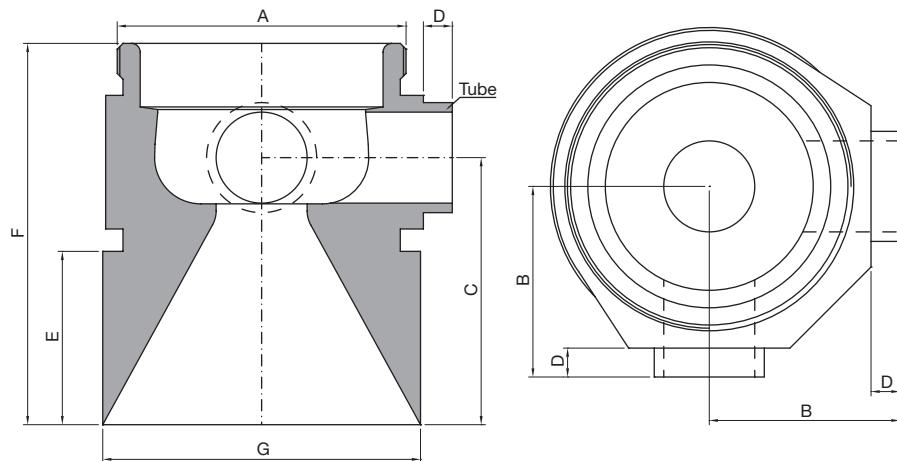
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YTWX FTCL 0000 A##00

FLOW THROUGH 90 TANK WELDABLE VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YTWX – FTCL – Tank Weldable Flow Through Valves are designed to intercept on line flow pattern when welded on a vessel and reach the optimal drainability in the horizontal valve assembly with horizontal outlet. The long conical inlet may be modified according to the design of the internal shape of the vessel reducing the Dead-Leg. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE* mm (inch)
YTWX-FTCL-0000-A1200	M34x1	26,00 (1,02)	39,00 (1,54)	5,00 (0,20)	25,00 (0,98)	54,50 (2,15)	45,00 (1,77)	12,70x1,65 (0,50x0,065)
YTWX-FTCL-0000-A1900	M50x1	33,00 (1,30)	46,00 (1,81)	5,00 (0,20)	30,00 (1,18)	66,00 (2,60)	55,00 (2,17)	19,05x1,65 (0,75x0,065)
YTWX-FTCL-0000-A2500	M70x1	47,00 (1,85)	59,00 (2,32)	5,00 (0,20)	35,00 (1,38)	85,00 (3,35)	75,00 (2,95)	25,40x1,65 (1,00x0,065)
YTWX-FTCL-0000-A3800	M80x1,5	60,00 (2,36)	70,00 (2,76)	21,00 (0,83)	42,00 (1,65)	106,00 (4,17)	80,00 (3,15)	38,10x1,65 (1,50x0,065)
YTWX-FTCL-0000-A5000	M103x1,5	75,00 (2,95)	79,00 (3,11)	24,00 (0,95)	45,00 (1,77)	123,00 (4,84)	100,00 (3,94)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

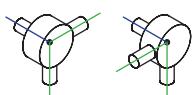
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

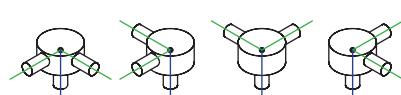
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



Vertical Assembly



TC CONNECTABLE VALVES

D 005

Shut Off 90
1/2" TC Conn. Valve Body

D 010

Shut Off 90
3/4" TC Conn. Valve Body

D 015

Shut Off 90
1" TC Conn. Valve Body

D 020

Shut Off 90
1"1/2 TC Conn. Valve Body

D 025

Shut Off 90
2" TC Conn. Valve Body

D 030

Shut Off 90
2"1/2 TC Conn. Valve Body

D 095

Extended Shut Off 90
1/2" TC Conn. Valve Body

D 100

Extended Shut Off 90
3/4" TC Conn. Valve Body

D 105

Extended Shut Off 90
1" TC Conn. Valve Body

D 110

Extended Shut Off 90
1"1/2 TC Conn. Valve Body

D 115

Extended Shut Off 90
2" TC Conn. Valve Body

D 120

Extended Shut Off 90
2"1/2 TC Conn. Valve Body

D 122

Extended Shut Off 90
4" TC Conn. Valve Body

D 185

Flow Through 90
1/2" TC Conn. Valve Body

D 190

Flow Through 90
3/4" TC Conn. Valve Body

D 195

Flow Through 90
1" TC Conn. Valve Body

D 200

Flow Through 90
1"1/2 TC Conn. Valve Body

D 205

Flow Through 90
2" TC Conn. Valve Body

D 210

Flow Through 90
2"1/2 TC Conn. Valve Body

D 275

Extended Flow Through 90
1/2" TC Conn. Valve Body

D 280

Extended Flow Through 90
3/4" TC Conn. Valve Body

D 285

Extended Flow Through 90
1" TC Conn. Valve Body

D 290

Extended Flow Through 90
1"1/2 TC Conn. Valve Body

D 295

Extended Flow Through 90
2" TC Conn. Valve Body

D 300

Extended Flow Through 90
2"1/2 TC Conn. Valve Body

D 370

Flow Through 180
1/2" TC Conn. Valve Body

D 375

Flow Through 180
3/4" TC Conn. Valve Body

D 380

Flow Through 180
1" TC Conn. Valve Body

D 385

Flow Through 180
1"1/2 TC Conn. Valve Body

D 390

Flow Through 180
2" TC Conn. Valve Body

D 395

Flow Through 180
2"1/2 TC Conn. Valve Body

D 460

Extended Flow Through 180
1/2" TC Conn. Valve Body

D 465

Extended Flow Through 180
3/4" TC Conn. Valve Body

D 470

Extended Flow Through 180
1" TC Conn. Valve Body

D 475

Extended Flow Through 180
1"1/2 TC Conn. Valve Body

D 480

Extended Flow Through 180
2" TC Conn. Valve Body

D 485

Extended Flow Through 180
2"1/2 TC Conn. Valve Body

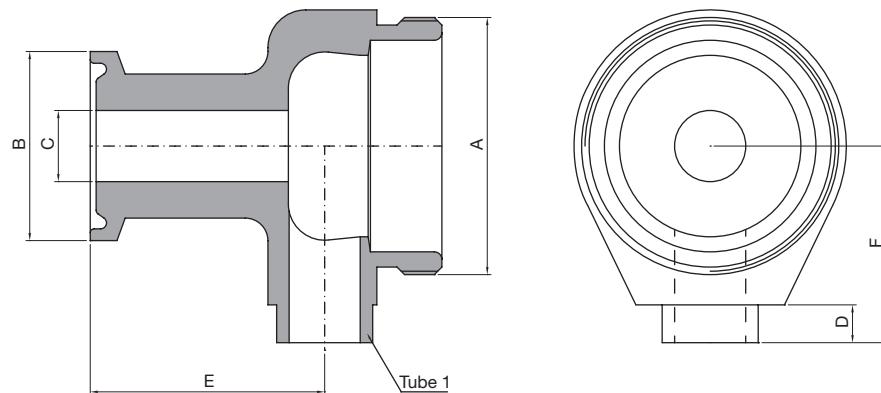
D 487

Extended Flow Through 180
4" TC Conn. Valve Body

 A
B
C
D
E
F
G
H
I
J

TECHNICAL INFORMATION _ CAT. N. YT12 SOCL 0000 A##00

SHUT OFF 90 1/2" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT12 - SOCL - Shut Off TC 1/2" Connectable Valves for SAFE areas designed to intercept flow pattern when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt welding ends but, on demand, may be delivered for orbital weld or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT12-SOCL-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	31,00 (1,22)	26,00 (1,02)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12						
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NET VOLUME⁽¹⁾	ml	2,86					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

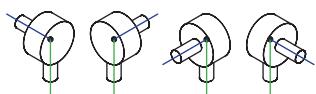
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

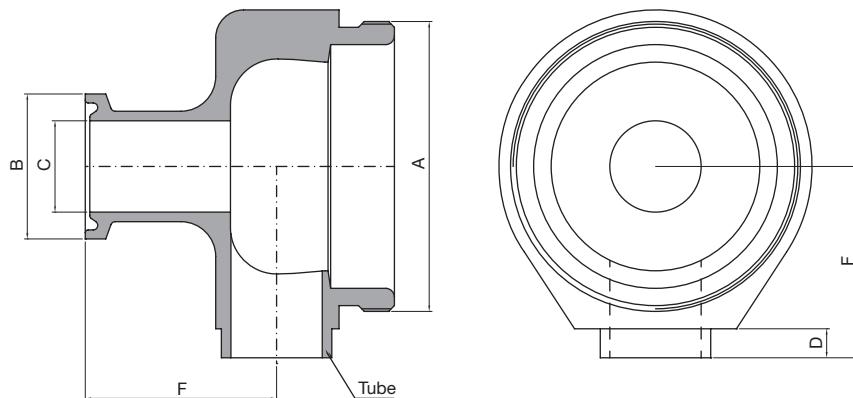
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT19 SOCL 0000 A##00

SHUT OFF 90 3/4" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT19 - SOCL - Shut Off TC 3/4" Connectable Valves for SAFE areas designed to intercept flow pattern when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT19-SOCL-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	31,00 (1,22)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT19-SOCL-0000-A1900	M50x1	25,00 (0,98)	15,75 (0,62)	5,00 (0,20)	33,00 (1,30)	33,00 (1,30)	19,05x1,65 (0,75x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19					
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NET VOLUME⁽¹⁾	ml	2,86	10,23				
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

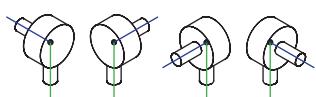
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

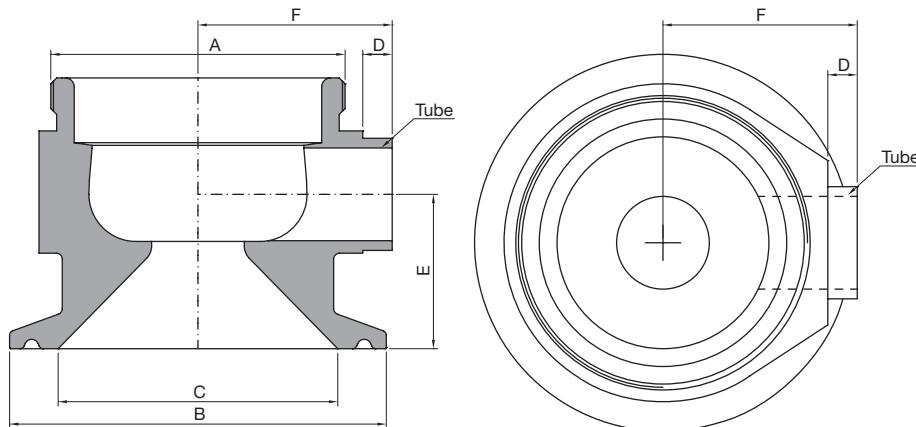
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT25 SOCL 0000 A##00

SHUT OFF 90 1" TC CONN. VALVE BODY



D 015

TC CONNECTABLE VALVES

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT25 – SOCL - Shut Off TC 1" Connectable Valves for SAFE areas designed to intercept flow pattern when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT25-SOCL-0000-A1200	M34x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	21,00 (0,83)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT25-SOCL-0000-A1900	M50x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	24,00 (0,95)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT25-SOCL-0000-A2500	M70x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	45,00 (1,77)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25			
NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14		

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

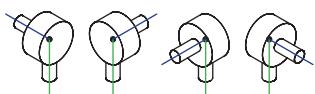
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

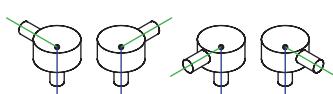
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

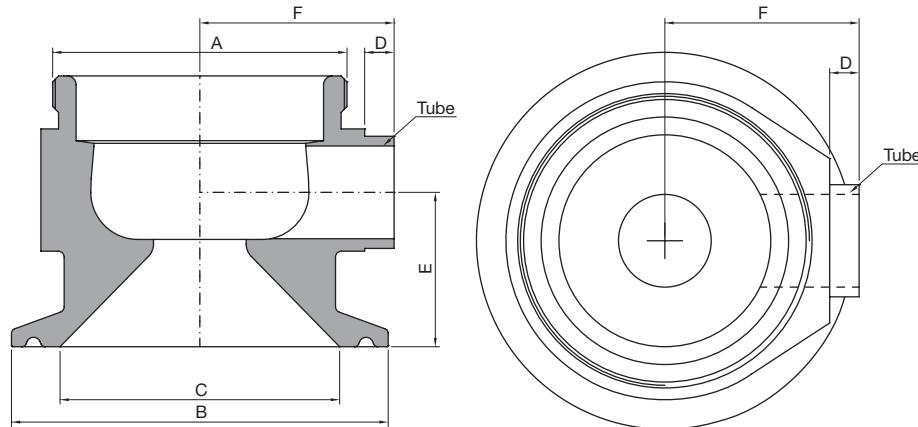


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YT38 SOCL 0000 A##00

SHUT OFF 90 1"1/2 TC CONN. VALVE BODY



D 020

TC CONNECTABLE VALVES

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT38 - SOCL - Shut Off TC 1"1/2 Connectable Valves for SAFE areas designed to intercept flow pattern when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT38-SOCL-0000-A1200	M34x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	21,00 (0,83)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT38-SOCL-0000-A1900	M50x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	24,00 (0,95)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT38-SOCL-0000-A2500	M70x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	45,00 (1,77)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT38-SOCL-0000-A3800	M80x1,5	50,40 (1,98)	34,80 (1,37)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38		
NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

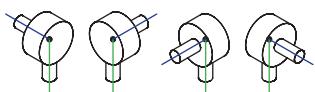
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

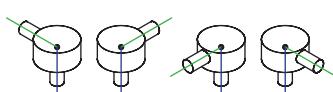
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

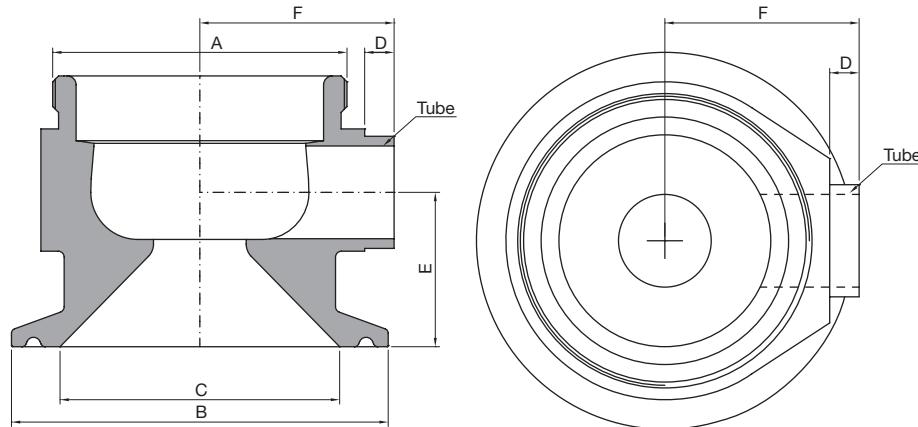


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YT50 SOCL 0000 A##00

SHUT OFF 90 2" TC CONN. VALVE BODY



D 025

TC CONNECTABLE VALVES

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT50 - SOCL - Shut Off TC 2" Connectable Valves for SAFE areas designed to intercept flow pattern when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt welding ends but, on demand, may be delivered for orbital weld or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT50-SOCL-0000-A1200	M34x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	23,50 (0,93)	31,00 (1,22)	12,70x1,65 (0,50x0,065)
YT50-SOCL-0000-A1900	M50x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	26,00 (1,02)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT50-SOCL-0000-A2500	M70x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	47,00 (1,85)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT50-SOCL-0000-A3800	M80x1,5	64,00 (2,52)	47,50 (1,87)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)
YT50-SOCL-0000-A5000	M103x1,5	64,00 (2,52)	47,50 (1,87)	24,00 (0,95)	62,00 (2,44)	75,00 (2,95)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

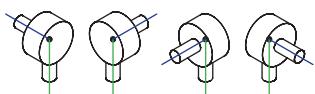
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

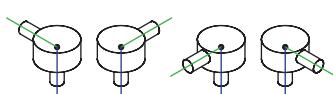
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

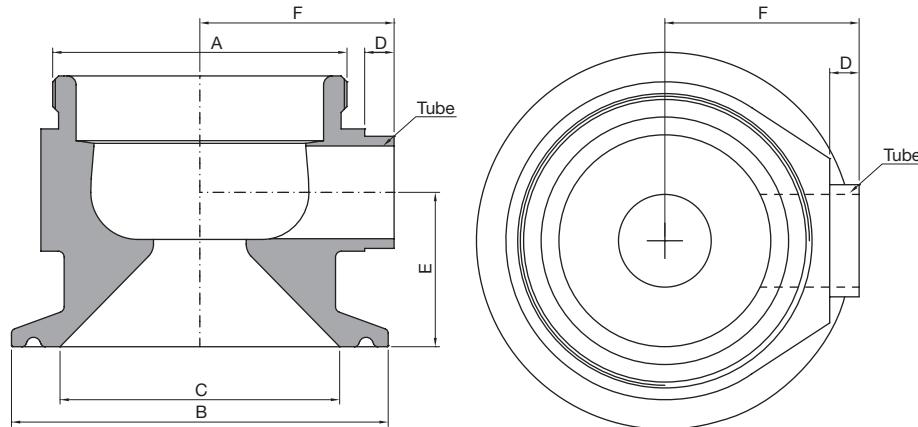


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YT63 SOCL 0000 A##00

SHUT OFF 90 2"1/2 TC CONN. VALVE BODY



D 030

TC CONNECTABLE VALVES

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT63 - SOCL - Shut Off TC 2"1/2 Connectable Valves for SAFE areas designed to intercept flow pattern when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT63-SOCL-0000-A1200	M34x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	26,50 (1,04)	38,50 (1,52)	12,70x1,65 (0,50x0,065)
YT63-SOCL-0000-A1900	M50x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	29,00 (1,14)	37,00 (1,46)	19,05x1,65 (0,75x0,065)
YT63-SOCL-0000-A2500	M70x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	35,00 (1,38)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT63-SOCL-0000-A3800	M80x1,5	77,50 (3,09)	60,20 (2,37)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)
YT63-SOCL-0000-A5000	M103x1,5	77,50 (3,09)	60,20 (2,37)	24,00 (0,95)	62,00 (2,44)	75,00 (2,95)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

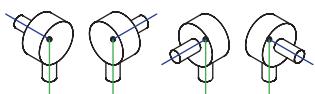
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

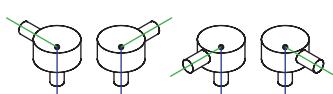
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

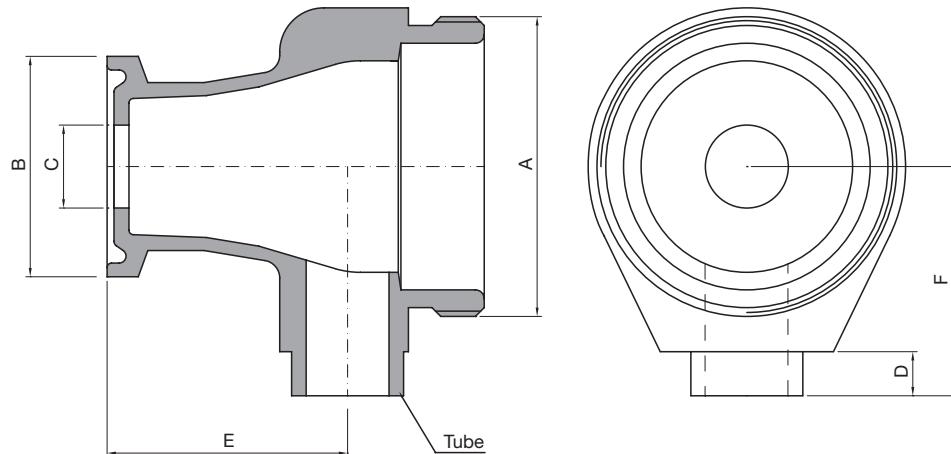


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YT12 SECL 0000 A##00

EXTENDED SHUT OFF 90 1/2" TC CONN. VALVE BODY



TC CONNECTABLE VALVES D 095

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT12 - SECL - Extended Shut Off TC 1/2" Connectable Valves for SAFE areas designed to intercept flow pattern, when TC connection is available, with a flush flow design of the frontal inlet of the valve. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT12-SECL-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	27,50 (1,08)	26,00 (1,02)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12						
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NET VOLUME⁽¹⁾	ml	7,12					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

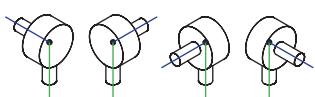
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

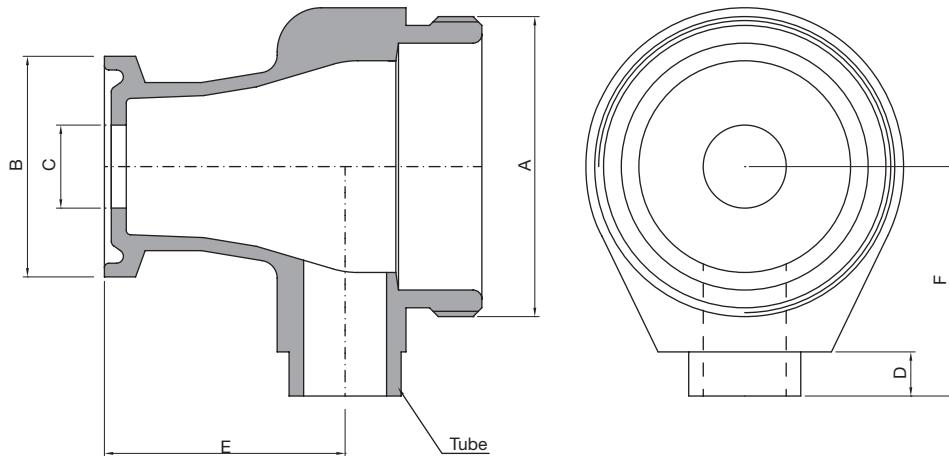
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT19 SECL 0000 A##00

EXTENDED SHUT OFF 90 3/4" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT19 - SECL - Extended Shut Off TC 3/4" Connectable Valves for SAFE areas designed to intercept flow pattern, when TC connection is available, with a flush flow design of the frontal inlet of the valve. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT19-SECL-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	27,50 (1,08)	26,00 (1,02)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12						
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NET VOLUME⁽¹⁾	ml	7,12					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

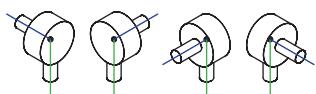
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

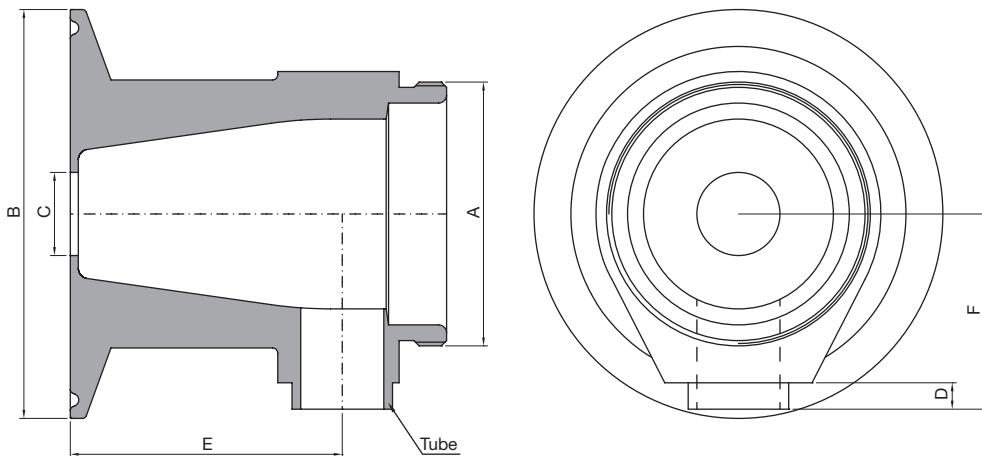
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT25 SECL 0000 A##00

EXTENDED SHUT OFF 90 1" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT25 - SECL - Extended Shut Off TC 1" Connectable Valves for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT25-SECL-0000-A1200	M34x1	50,40 (1,98)	9,40 (0,37)	5,00 (0,20)	26,50 (1,04)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT25-SECL-0000-A1900	M50x1	50,40 (1,98)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT25-SECL-0000-A2500	M70x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25			
NET VOLUME ⁽¹⁾	ml	7,12	30,20	56,36		

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

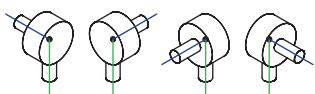
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

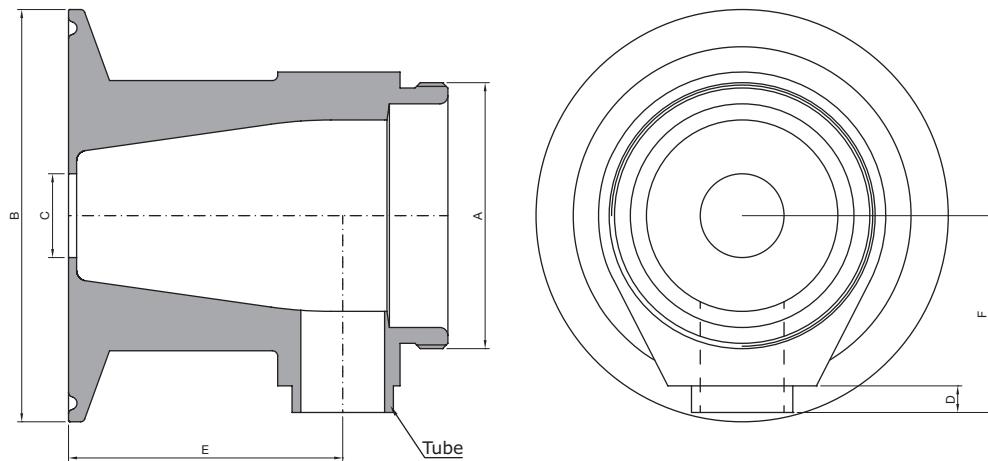
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT38 SECL 0000 A##00

EXTENDED SHUT OFF 90 1"1/2 TC CONN. VALVE BODY



D 110

TC CONNECTABLE VALVES

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT38 – SECL – Extended Shut Off TC 1"1/2 Connectable Valves for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT38-SECL-0000-A1200	M34x1	50,40 (1,98)	9,40 (0,37)	5,00 (0,20)	26,50 (1,04)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT38-SECL-0000-A1900	M50x1	50,40 (1,98)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT38-SECL-0000-A2500	M70x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25			
NET VOLUME⁽¹⁾	ml	7,12	30,20	56,36		

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

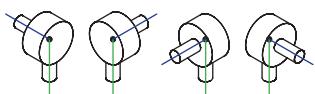
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

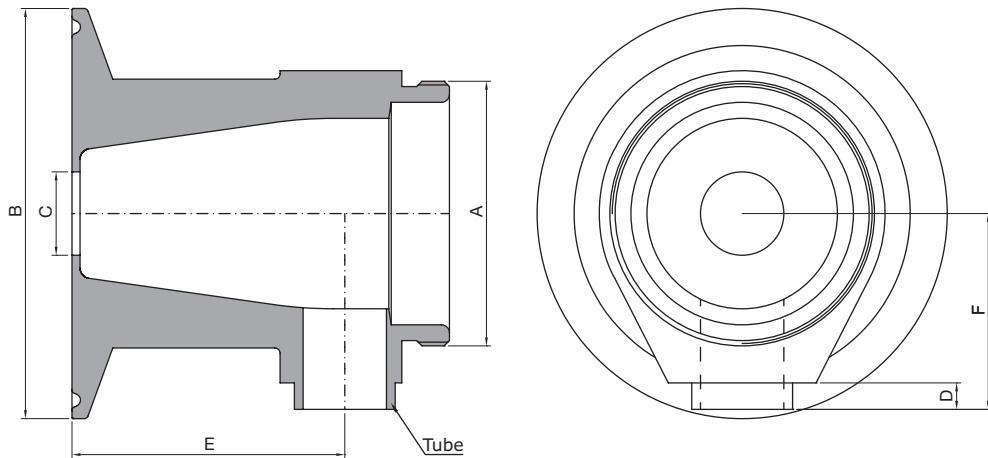
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT50 SECL 0000 A##00

EXTENDED SHUT OFF 90 2" TC CONN. VALVE BODY



D 115

TC CONNECTABLE VALVES

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT50 - SECL - Extended Shut Off TC 2" Connectable Valves for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT50-SECL-0000-A1200	M34x1	64,00 (2,52)	9,40 (0,37)	5,00 (0,20)	26,50 (1,04)	31,00	12,70x1,65 (0,50x0,065)
YT50-SECL-0000-A1900	M50x1	64,00 (2,52)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT50-SECL-0000-A2500	M70x1	64,00 (2,52)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25			
NET VOLUME ⁽¹⁾	ml	7,12	30,20	56,36		

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

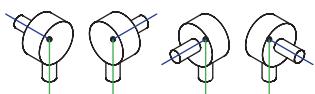
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

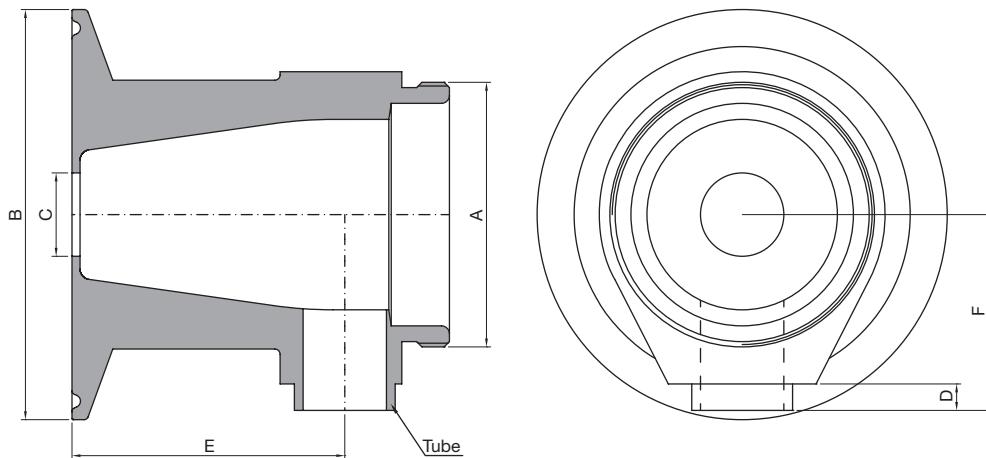
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT63 SECL 0000 A##00

EXTENDED SHUT OFF 90 2"1/2 TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT63 - SECL - Extended Shut Off TC 2"1/2 Connectable Valves for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT63-SECL-0000-A1900	M50x1	77,50 (3,09)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	37,00 (1,46)	19,05x1,65 (0,75x0,065)
YT63-SECL-0000-A2500	M70x1	77,50 (3,09)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT63-SECL-0000-A3800	M80x1,5	77,50 (3,09)	34,80 (1,37)	21,00 (0,83)	75,00 (2,95)	60,00 (2,36)	38,10x1,65 (1,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A19	A25	A38			
NET VOLUME ⁽¹⁾	ml	30,20	56,36	170,98		

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

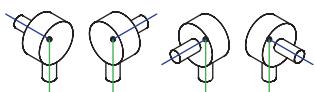
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

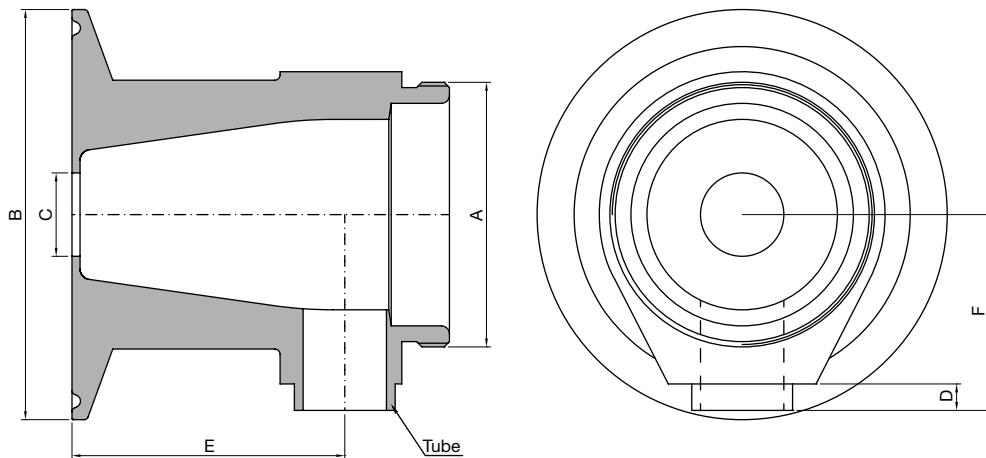
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT00 SECL 0000 A##00

EXTENDED SHUT OFF 90 4" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT00 - SECL - Extended Shut Off TC 4" Connectable Valves for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard versions are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT00-SECL-0000-A3800	M80x1,5	119,00 (4,69)	34,80 (1,37)	21,00 (0,83)	51,50 (2,03)	75,00 (2,95)	38,10x1,65 (1,50x0,065)
YT00-SECL-0000-A5000	M103x1,5	119,00 (4,69)	22,10 (0,87)	24,00 (0,95)	54,00 (2,13)	77,00 (3,03)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A38	A50				
NET VOLUME ⁽¹⁾	ml	170,98	380,00			

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1.4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

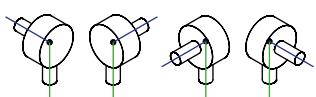
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

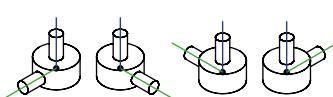
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

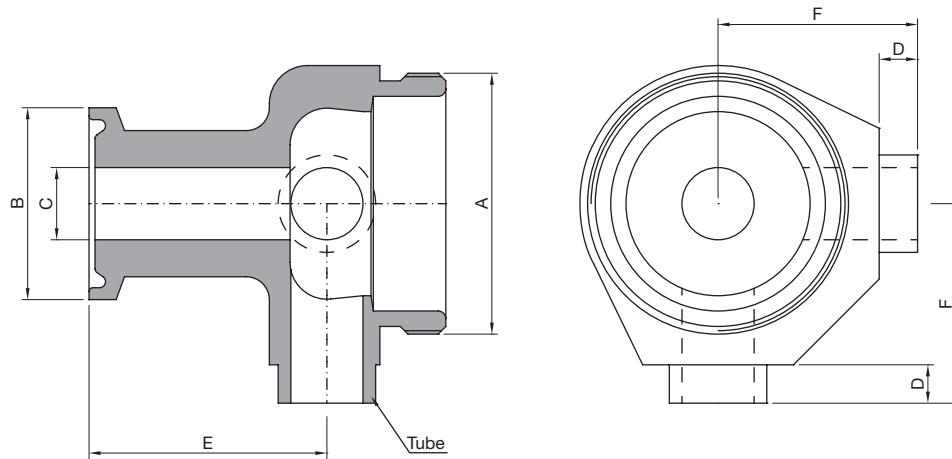


Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YT12 FTCL 0000 A##00

FLOW THROUGH 90 1/2" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT12 - FTCL - Flow Through TC 1/2" Connectable Valves for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT12-FTCL-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	31,00 (1,22)	26,00 (1,02)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12						
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NET VOLUME⁽¹⁾	ml	2,86					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

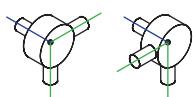
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

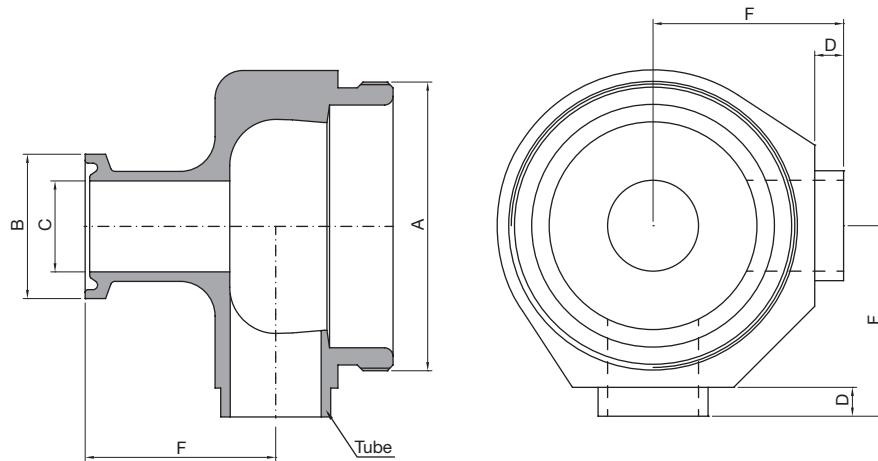
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT19 FTCL 0000 A##00

FLOW THROUGH 90 3/4" TC CONN. VALVE BODY



D 190

TC CONNECTABLE VALVES

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT19 - FTCL - Flow Through TC 3/4" Connectable Valves for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT19-FTCL-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	31,00 (1,22)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT19-FTCL-0000-A1900	M50x1	25,00 (0,98)	15,75 (0,62)	5,00 (0,20)	33,00 (1,30)	33,00 (1,30)	19,05x1,65 (0,75x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19					
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NET VOLUME⁽¹⁾	ml	2,86	10,23				
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

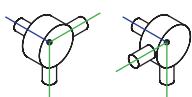
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

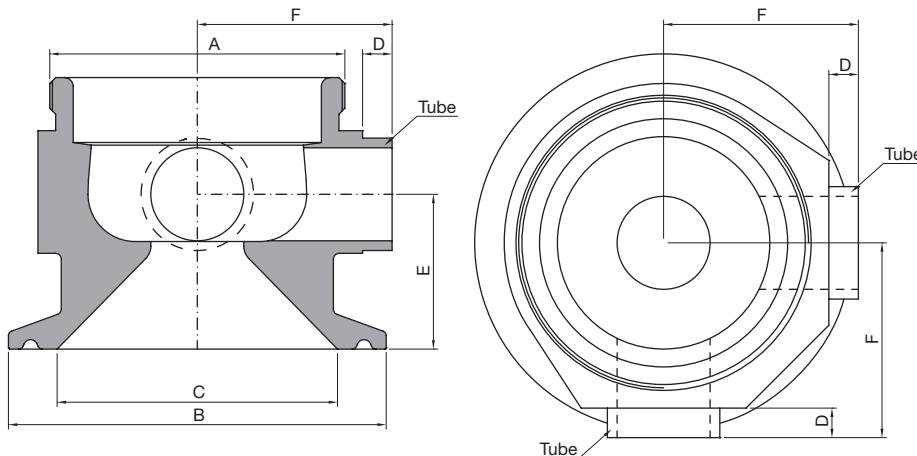
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT25 FTCL 0000 A##00

FLOW THROUGH 90 1" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT25 - FTCL - Flow Through TC 1" Connectable Valve for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

COWDE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT25-FTCL-0000-A1200	M34x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	21,00 (0,83)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT25-FTCL-0000-A1900	M50x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	24,00 (0,95)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT25-FTCL-0000-A2500	M70x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	45,00 (1,77)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25			
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14		
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Environment Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

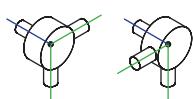
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

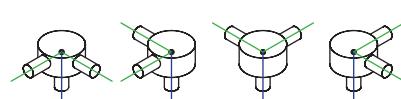
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

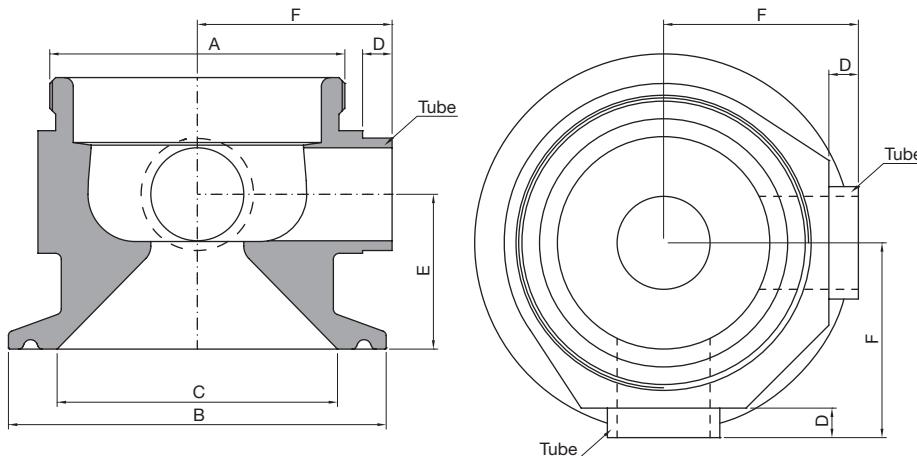


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YT38 FTCL 0000 A##00

FLOW THROUGH 90 1"1/2 TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT38 - FTCL - Flow Through TC 1"1/2 Connectable Valves for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT38-FTCL-0000-A1200	M34x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	21,00 (0,83)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT38-FTCL-0000-A1900	M50x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	24,00 (0,95)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT38-FTCL-0000-A2500	M70x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	45,00 (1,77)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT38-FTCL-0000-A3800	M80x1,5	50,40 (1,98)	34,80 (1,37)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38		
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Environment Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

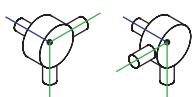
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

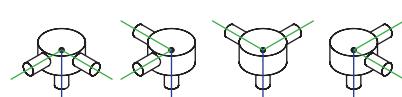
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

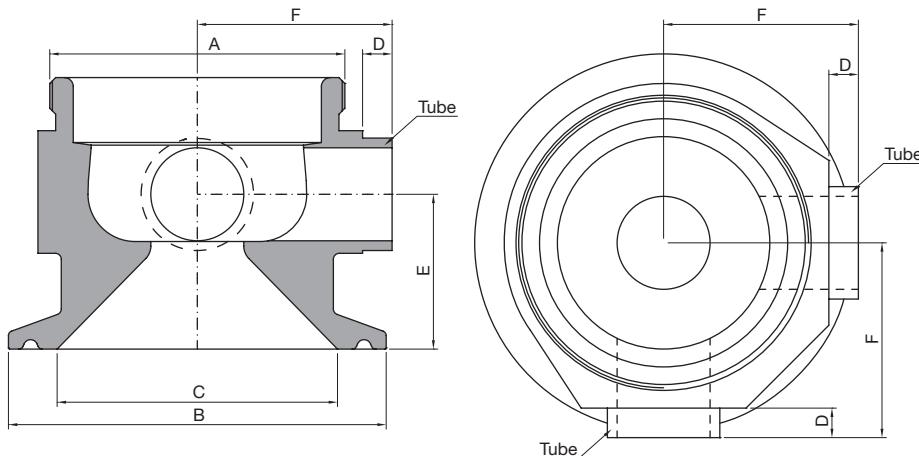


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YT50 FTCL 0000 A##00

FLOW THROUGH 90 2" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT50 - FTCL - Flow Through TC 2" Connectable Valves for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT50-FTCL-0000-A1200	M34x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	23,50 (0,93)	31,00 (1,22)	12,70x1,65 (0,50x0,065)
YT50-FTCL-0000-A1900	M50x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	26,00 (1,02)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT50-FTCL-0000-A2500	M70x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	47,00 (1,85)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT50-FTCL-0000-A3800	M80x1,5	64,00 (2,52)	47,50 (1,87)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)
YT50-FTCL-0000-A5000	M103x1,5	64,00 (2,52)	47,50 (1,87)	24,00 (0,95)	62,00 (2,44)	75,00 (2,95)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38		
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Environment Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

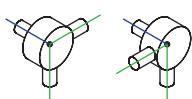
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

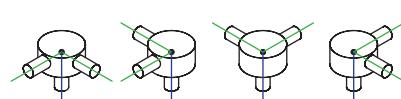
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

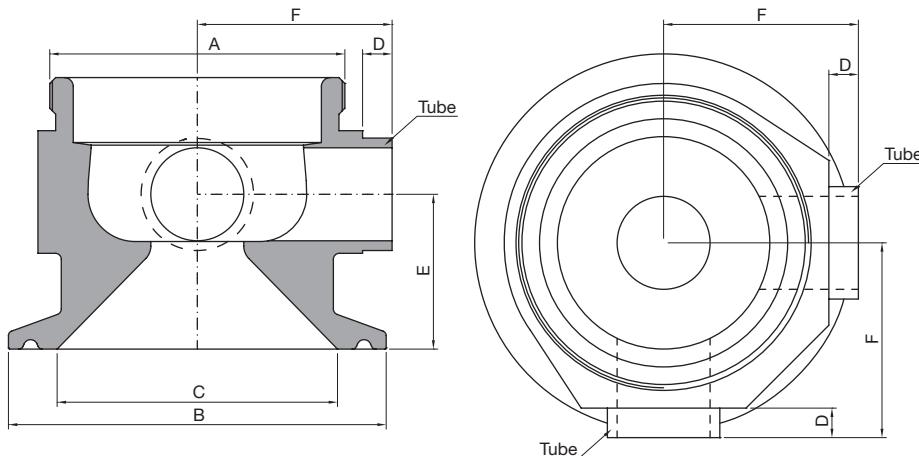


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YT63 FTCL 0000 A##00

FLOW THROUGH 90 2" 1/2 TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT63 - FTCL - Flow Through TC 2"1/2 Connectable Valves for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT63-FTCL-0000-A1200	M34x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	26,50 (1,04)	38,50 (1,52)	12,70x1,65 (0,50x0,065)
YT63-FTCL-0000-A1900	M50x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	29,00 (1,14)	37,00 (1,46)	19,05x1,65 (0,75x0,065)
YT63-FTCL-0000-A2500	M70x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	35,00 (1,38)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT63-FTCL-0000-A3800	M80x1,5	77,50 (3,09)	60,20 (2,37)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)
YT63-FTCL-0000-A5000	M103x1,5	77,50 (3,09)	60,20 (2,37)	24,00 (0,95)	62,00 (2,44)	75,00 (2,95)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Environment Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

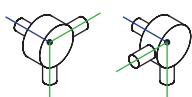
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

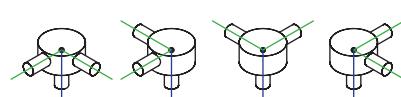
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

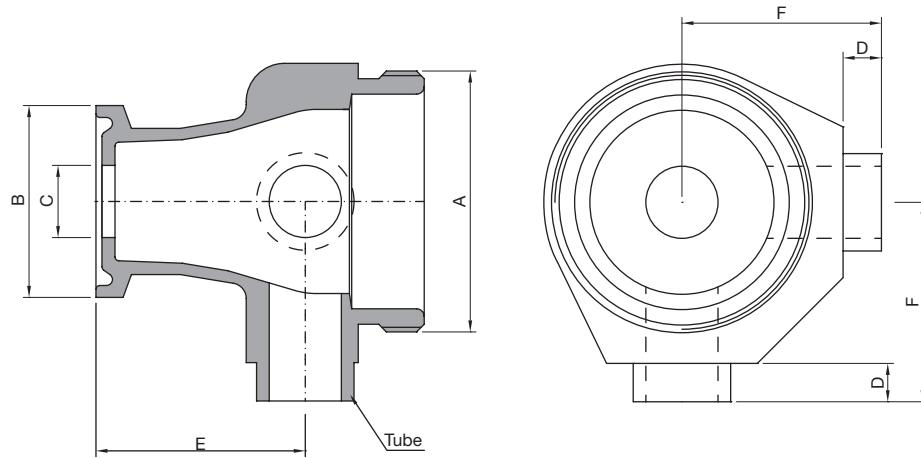


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YT12 FECL 0000 A##00

EXTENDED FLOW THROUGH 90 1/2" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT12 - FECL - Extended Flow Through TC 1/2" Connectable Valves for SAFE areas designed to intercept flow pattern, with flush flow design TC frontal inlet valve connection. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT12-FECL-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	27,50 (1,08)	26,00 (1,02)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12						
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NET VOLUME⁽¹⁾	ml	7,12					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

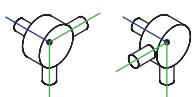
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

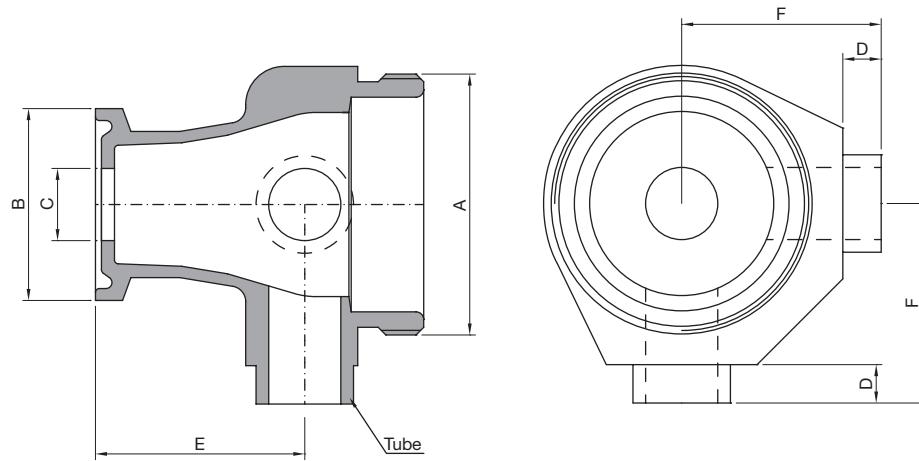
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT19 FECL 0000 A##00

EXTENDED FLOW THROUGH 90 3/4" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT19 - FECL - Extended Flow Through TC 3/4" Connectable Valves for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT19-FECL-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	27,50 (1,08)	26,00 (1,02)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12						
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NET VOLUME⁽¹⁾	ml	7,12					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

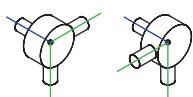
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

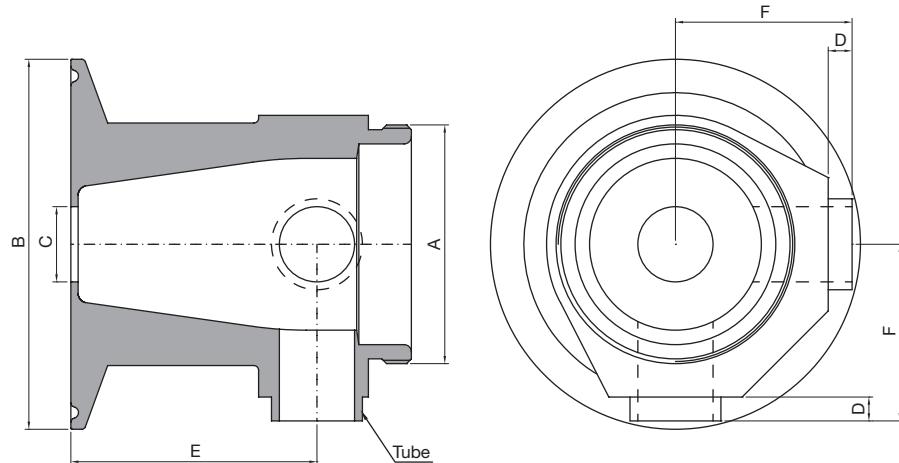
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT25 FECL 0000 A##00

EXTENDED FLOW THROUGH 90 1" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT25 - FECL - Extended Flow Through TC 1" Connectable Valves for SAFE areas is designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT25-FECL-0000-A1200	M34x1	50,40 (1,98)	9,40 (0,37)	5,00 (0,20)	26,50 (1,04)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT25-FECL-0000-A1900	M50x1	50,40 (1,98)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT25-FECL-0000-A2500	M70x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25			
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NET VOLUME⁽¹⁾	ml	7,12	30,20	56,36		
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

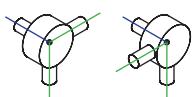
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

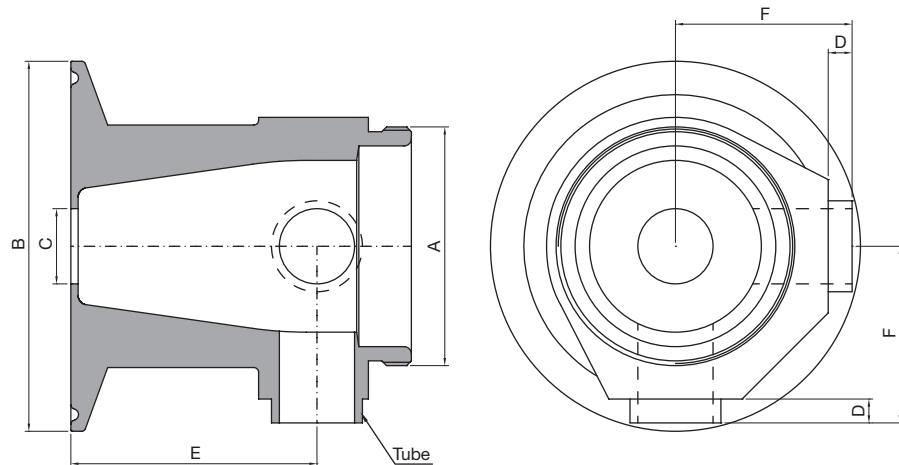
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT38 FECL 0000 A##00

EXTENDED FLOW THROUGH 90 1"1/2 TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT38 - FECL - Extended Flow Through TC 1"1/2 Connectable Valves for SAFE areas is designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT38-FECL-0000-A1200	M34x1	50,40 (1,98)	9,40 (0,37)	5,00 (0,20)	26,50 (1,04)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT38-FECL-0000-A1900	M50x1	50,40 (1,98)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT38-FECL-0000-A2500	M70x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25			
NET VOLUME⁽¹⁾	ml	7,12	30,20	56,36		

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

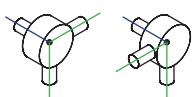
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

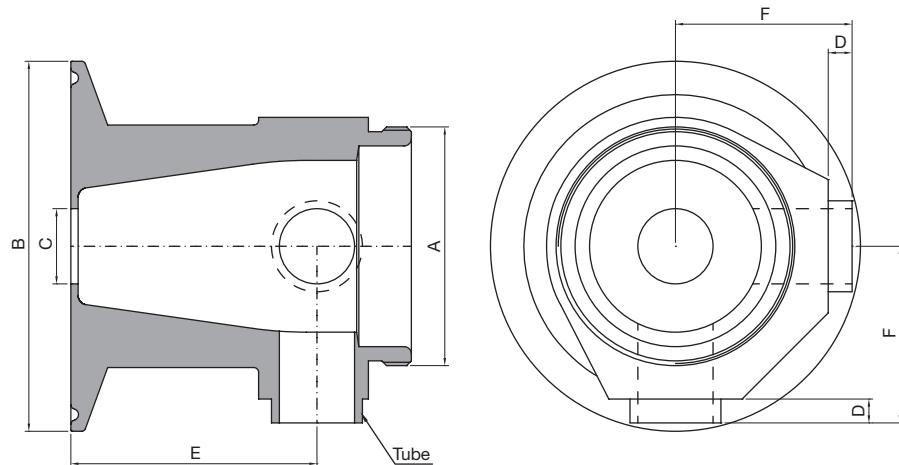
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT50 FECL 0000 A##00

EXTENDED FLOW THROUGH 90 2" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT50 - FECL - Extended Flow Through TC 2" Connectable Valves for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT50-FECL-0000-A1200	M34x1	64,00 (2,52)	9,40 (0,37)	5,00 (0,20)	26,50 (1,04)	31,00 (1,22)	12,70x1,65 (0,50x0,065)
YT50-FECL-0000-A1900	M50x1	64,00 (2,52)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT50-FECL-0000-A2500	M70x1	64,00 (2,52)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25			
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NET VOLUME⁽¹⁾	ml	7,12	30,20	56,36		
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

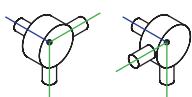
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

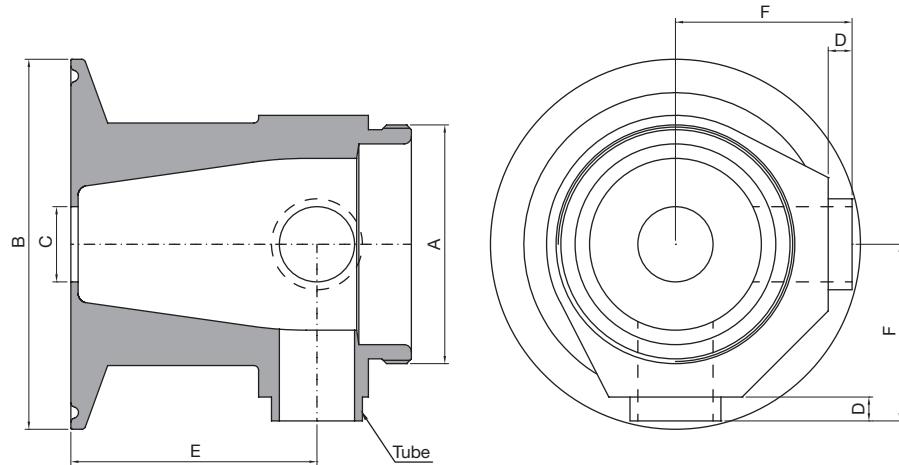
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT63 FECL 0000 A##00

EXTENDED FLOW THROUGH 90 2"1/2 TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT63 - FECL - Extended Flow Through TC 2"1/2 Connectable Valves for SAFE areas is designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT63-FECL-0000-A1900	M50x1	77,50 (3,09)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	37,00 (1,46)	19,05x1,65 (0,75x0,065)
YT63-FECL-0000-A2500	M70x1	77,50 (3,09)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT63-FECL-0000-A3800	M80x1,5	77,50 (3,09)	34,80 (1,37)	21,00 (0,83)	75,00 (2,95)	60,00 (2,36)	38,10x1,65 (1,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A19	A25	A38			
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NET VOLUME⁽¹⁾	ml	30,20	56,36	170,98		
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

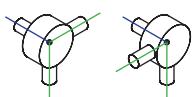
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

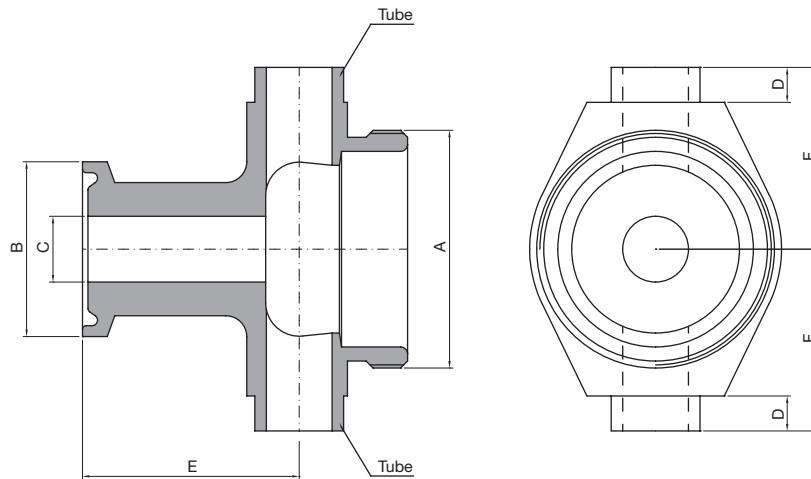
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT12 FTCI 0000 A##00

FLOW THROUGH 180 1/2" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT12 - FTCI - Flow Through TC 1/2" Connectable Valves for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT12-FTCI-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	31,00 (1,22)	26,00 (1,02)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12						
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NET VOLUME⁽¹⁾	ml	2,86					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

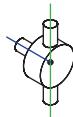
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

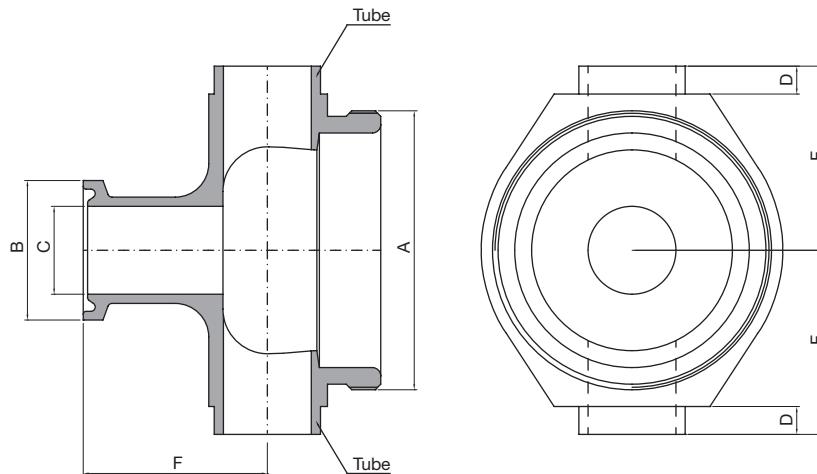
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT19 FTCI 0000 A##00

FLOW THROUGH 180 3/4" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT19 - FTCI - Flow Through TC 3/4" Connectable Valves for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT19-FTCI-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	31,00 (1,22)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT19-FTCI-0000-A1900	M50x1	25,00 (0,98)	15,75 (0,62)	5,00 (0,20)	33,00 (1,30)	33,00 (1,30)	19,05x1,65 (0,75x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19					
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VOLUME	ml	2,86	10,23				
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

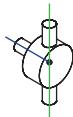
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

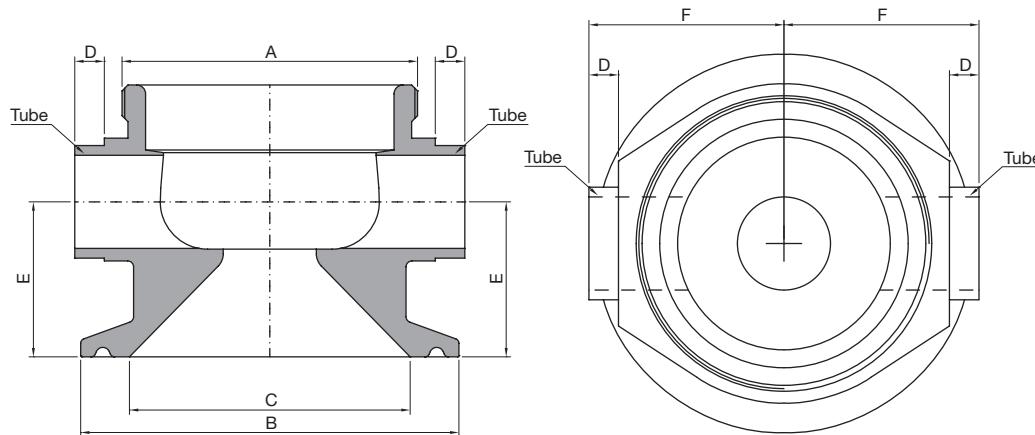
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT25 FTCI 0000 A##00

FLOW THROUGH 180 1" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT25 - FTCI - Flow Through TC 1" Connectable Valves for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT25-FTCI-0000-A1200	M34x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	21,00 (0,83)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT25-FTCI-0000-A1900	M50x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	24,00 (0,95)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT25-FTCI-0000-A2500	M70x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	45,00 (1,77)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(*) US Tube ASTM® A269/270

SPECIFICATION:

CAD SIZE	A12	A19	A25			
NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14		

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

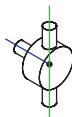
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

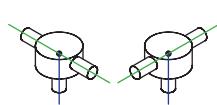
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

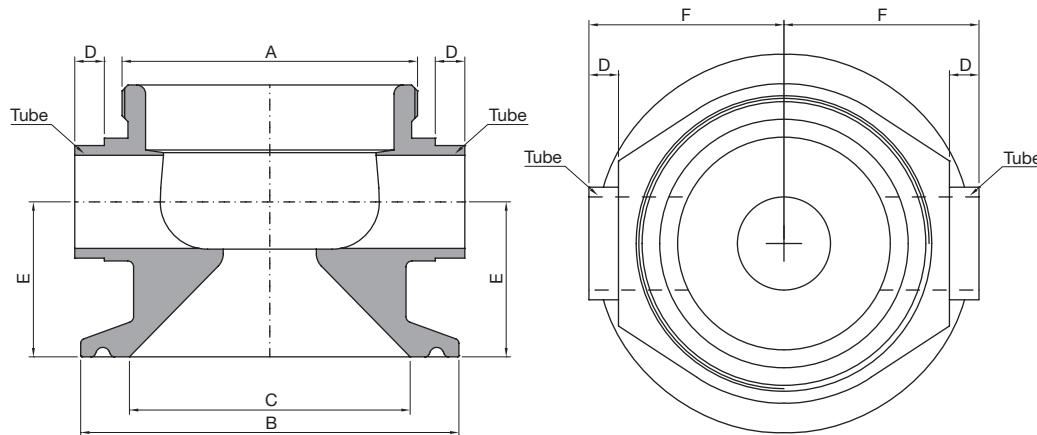


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YT38 FTCI 0000 A##00

FLOW THROUGH 180 1"1/2 TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT38 - FTCI - Flow Through TC 1"1/2 Connectable Valves for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT38-FTCI-0000-A1200	M34x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	21,00 (0,83)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT38-FTCI-0000-A1900	M50x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	24,00 (0,95)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT38-FTCI-0000-A2500	M70x1	50,40 (1,98)	34,80 (1,37)	5,00 (0,20)	45,00 (1,77)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT38-FTCI-0000-A3800	M80x1,5	50,40 (1,98)	34,80 (1,37)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38		
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

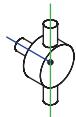
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

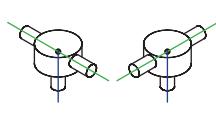
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

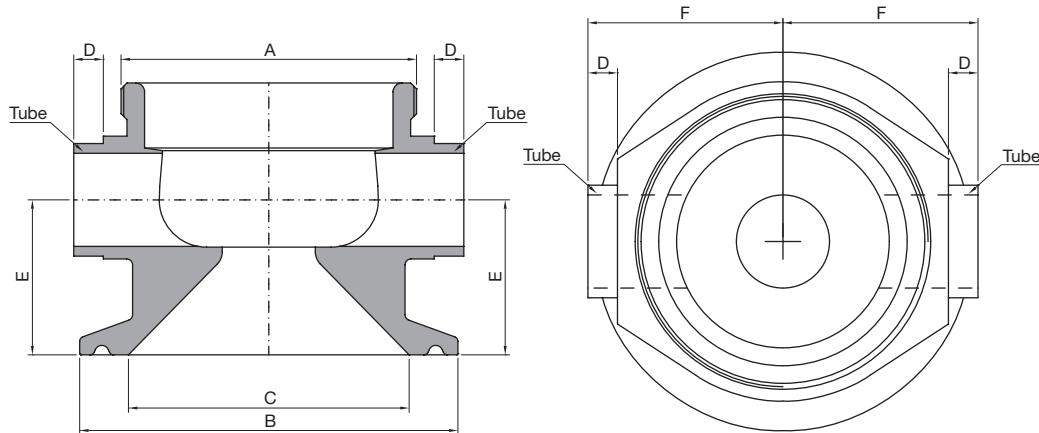


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YT50 FTCI 0000 A##00

FLOW THROUGH 180 2" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT50 - FTCI - Flow Through TC 2" Connectable Valves for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT50-FTCI-0000-A1200	M34x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	23,50 (0,93)	31,00 (1,22)	12,70x1,65 (0,50x0,065)
YT50-FTCI-0000-A1900	M50x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	26,00 (1,02)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT50-FTCI-0000-A2500	M70x1	64,00 (2,52)	47,50 (1,87)	5,00 (0,20)	47,00 (1,85)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT50-FTCI-0000-A3800	M80x1,5	64,00 (2,52)	47,50 (1,87)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)
YT50-FTCI-0000-A5000	M103x1,5	64,00 (2,52)	47,50 (1,87)	24,00 (0,95)	62,00 (2,44)	75,00 (2,95)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

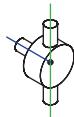
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

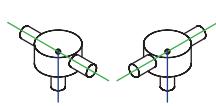
Options: For non-standard CAD Valve body Options, please contact us for further information

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

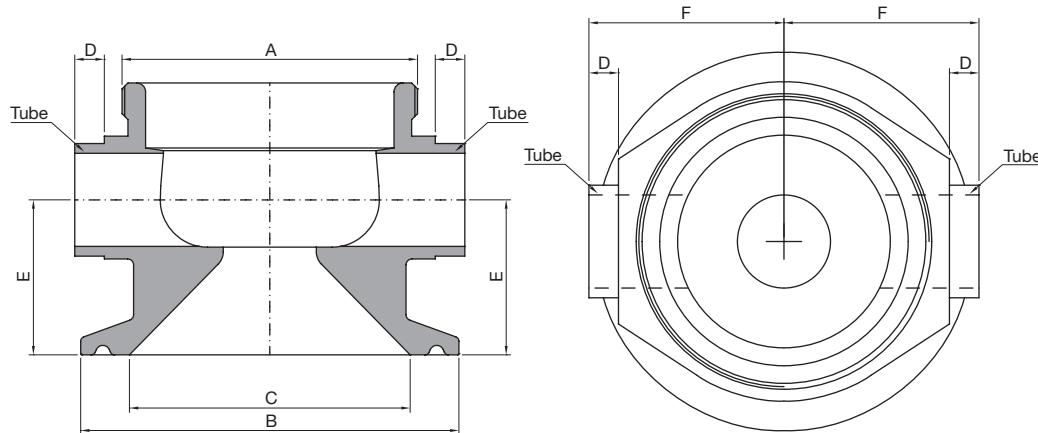


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YT63 FTCI 0000 A##00

FLOW THROUGH 180 2"1/2 TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT63 - FTCI - Flow Through TC 2"1/2 Connectable Valves for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt welding ends but, on demand, may be delivered for orbital weld or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT63-FTCI-0000-A1200	M34x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	26,50 (1,04)	38,50 (1,52)	12,70x1,65 (0,50x0,065)
YT63-FTCI-0000-A1900	M50x1	77,50 (3,09))	60,20 (2,37)	5,00 (0,20)	29,00 (1,14)	37,00 (1,46)	19,05x1,65 (0,75x0,065)
YT63-FTCI-0000-A2500	M70x1	77,50 (3,09)	60,20 (2,37)	5,00 (0,20)	35,00 (1,38)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT63-FTCI-0000-A3800	M80x1,5	77,50 (3,09)	60,20 (2,37)	21,00 (0,83)	54,00 (2,13)	60,00 (2,36)	38,10x1,65 (1,50x0,065)
YT63-FTCI-0000-A5000	M103x1,5	77,50 (3,09)	60,20 (2,37)	24,00 (0,95)	62,00 (2,44)	75,00 (2,95)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

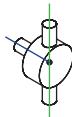
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

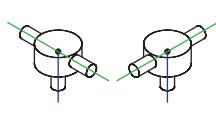
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

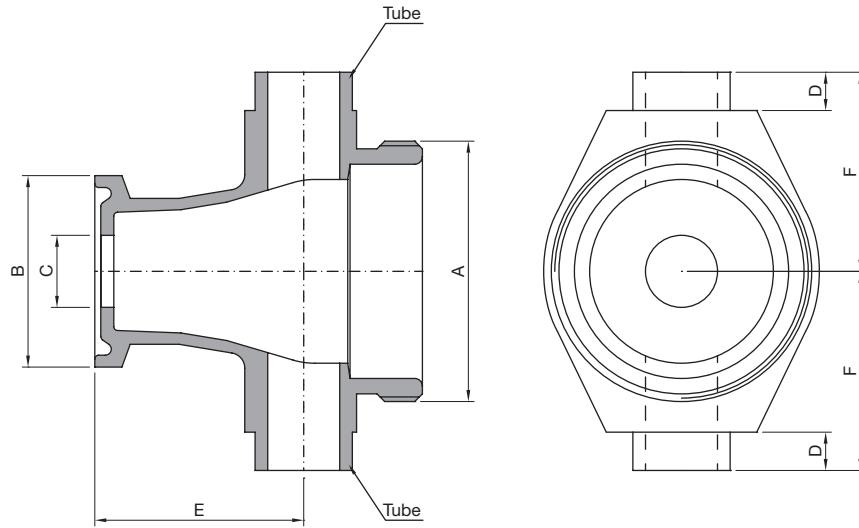


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YT12 FECI 0000 A##00

EXTENDED FLOW THROUGH 180 1/2" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT12 - FECI - Extended Flow Through TC 1/2" Connectable Valves for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT12-FECI-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	27,50 (1,08)	26,00 (1,02)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12						
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NET VOLUME⁽¹⁾	ml	7,12					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

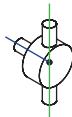
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

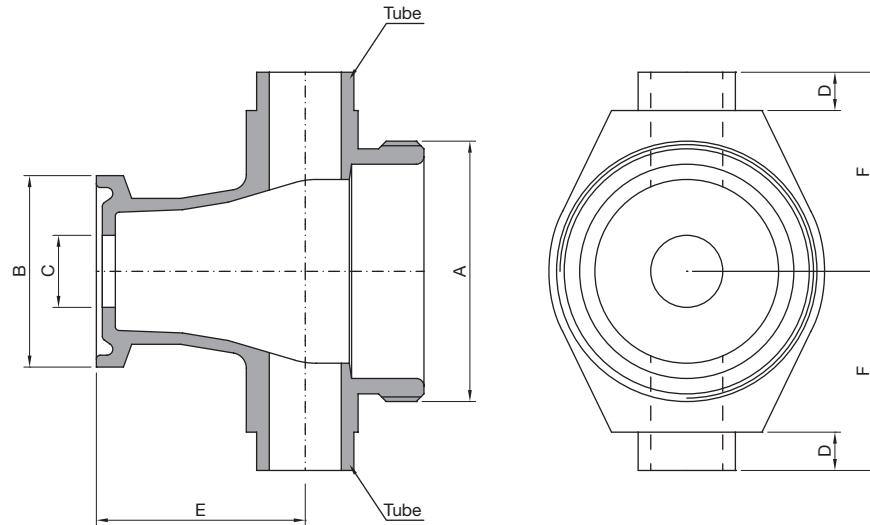
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT19 FECI 0000 A##00

EXTENDED FLOW THROUGH 180 3/4" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT19 - FECI - Extended Flow Through TC 3/4" Connectable Valves for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT19-FECI-0000-A1200	M34x1	25,00 (0,98)	9,40 (0,37)	5,00 (0,20)	27,50 (1,08)	26,00 (1,02)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12						
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NET VOLUME⁽¹⁾	ml	7,12					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

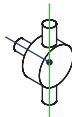
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

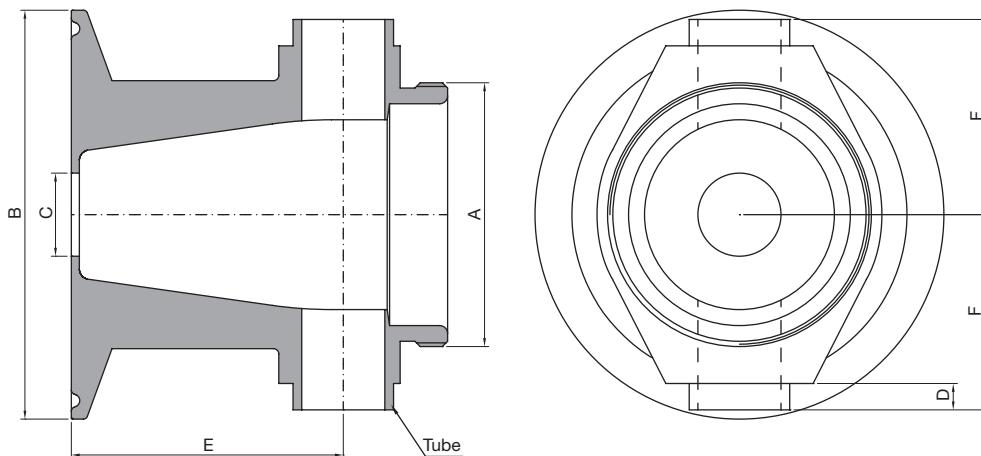
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT25 FECI 0000 A##00

EXTENDED FLOW THROUGH 180 1" TC CONN. VALVE BODY



D 470

TC CONNECTABLE VALVES

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT25 - FECI - Extended Flow Through TC 1" Connectable Valves for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT25-FECI-0000-A1200	M34x1	50,40 (1,98)	9,40 (0,37)	5,00 (0,20)	26,50 (1,04)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT25-FECI-0000-A1900	M50x1	50,40 (1,98)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT25-FECI-0000-A2500	M70x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25			
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NET VOLUME ⁽¹⁾	ml	7,12	30,20	56,36		
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

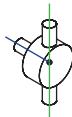
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

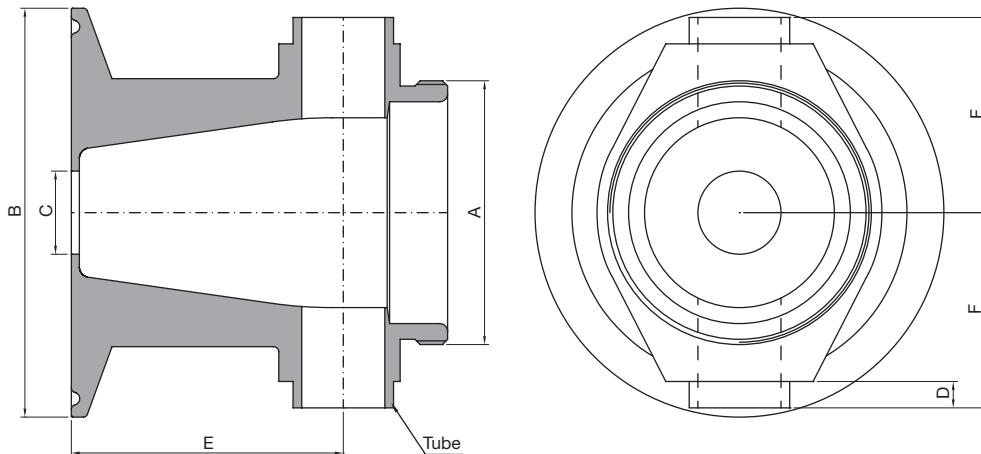
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT38 FECI 0000 A##00

EXTENDED FLOW THROUGH 180 1"1/2 TC CONN. VALVE BODY



D 475

TC CONNECTABLE VALVES

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT38 - FECI - Extended Flow Through TC 1"1/2 Connectable Valves for SAFE areas designed to feed or take off fluids or gases from the process piping or a vessel when TC connection is available minimizing the Dead-Leg in correspondence of the frontal inlet of the valve. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT38-FECI-0000-A1200	M34x1	50,40 (1,98)	9,40 (0,37)	5,00 (0,20)	26,50 (1,04)	26,00 (1,02)	12,70x1,65 (0,50x0,065)
YT38-FECI-0000-A1900	M50x1	50,40 (1,98)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT38-FECI-0000-A2500	M70x1	50,40 (1,98)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25			
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NET VOLUME⁽¹⁾	ml	7,12	30,20	56,36		
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

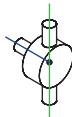
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

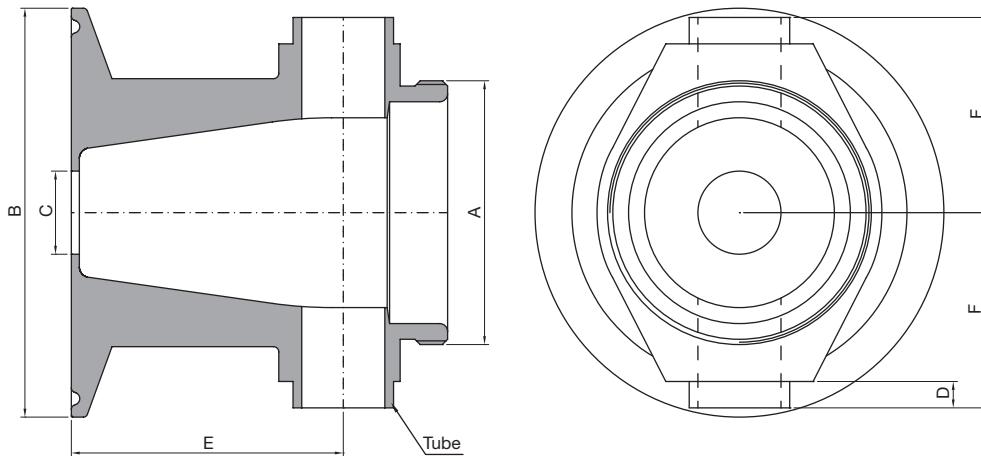
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT50 FECI 0000 A##00

EXTENDED FLOW THROUGH 180 2" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT50 - FECI - Extended Flow Through TC 2" Connectable Valve for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT50-FECI-0000-A1200	M34x1	64,00 (2,52)	9,40 (0,37)	5,00 (0,20)	26,50 (1,04)	31,00 (1,22)	12,70x1,65 (0,50x0,065)
YT50-FECI-0000-A1900	M50x1	64,00 (2,52)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	33,00 (1,30)	19,05x1,65 (0,75x0,065)
YT50-FECI-0000-A2500	M70x1	64,00 (2,52)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25			
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NET VOLUME ⁽¹⁾	ml	7,12	30,20	56,36		
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

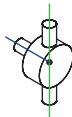
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

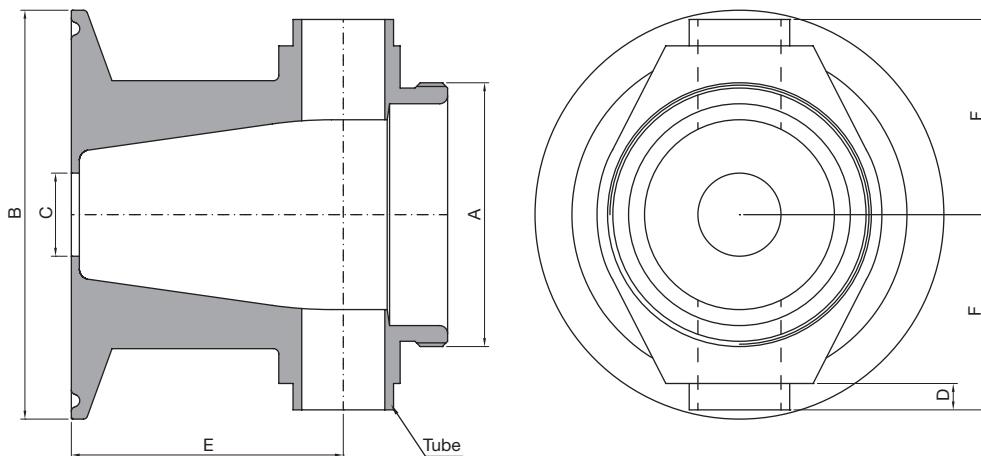
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT63 FECI 0000 A##00

EXTENDED FLOW THROUGH 180 2"1/2 TC CONN. VALVE BODY



D 485

TC CONNECTABLE VALVES

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT63 - FECI - Extended Flow Through TC 2"1/2 Connectable Valves for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT63-FECI-0000-A1900	M50x1	77,50 (3,09)	15,75 (0,62)	5,00 (0,20)	51,50 (2,03)	37,00 (1,46)	19,05x1,65 (0,75x0,065)
YT63-FECI-0000-A2500	M70x1	77,50 (3,09)	22,10 (0,87)	5,00 (0,20)	54,00 (2,13)	47,00 (1,85)	25,40x1,65 (1,00x0,065)
YT63-FECI-0000-A3800	M80x1,5	77,50 (3,09)	34,80 (1,37)	21,00 (0,83)	75,00 (2,95)	60,00 (2,36)	38,10x1,65 (1,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A19	A25	A38			
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NET VOLUME ⁽¹⁾	ml	30,20	56,36	170,98		
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

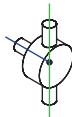
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

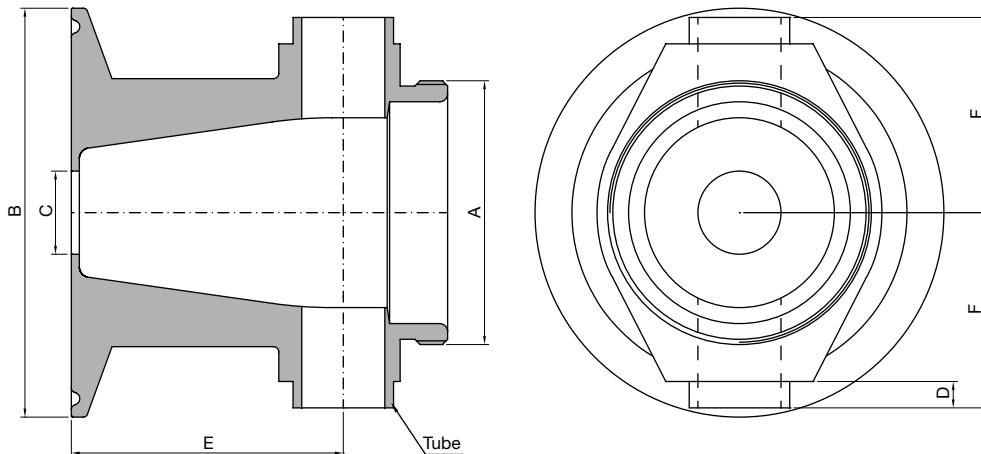
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YT00 FECI 0000 A##00

EXTENDED FLOW THROUGH 180 4" TC CONN. VALVE BODY



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT00 - FECI - Extended Flow Through TC 4" Connectable Valves for SAFE areas designed with a flush flow frontal inlet with the aim to feed or take off fluids or gases from process piping or vessel, when TC connection is available. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard versions are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE* mm (inch)
YT00-FECI-0000-A3800	M80x1,5	119,00 (4,69)	34,80 (1,37)	21,00 (0,83)	51,50 (2,03)	75,00 (2,95)	38,10x1,65 (1,50x0,065)
YT00-FECI-0000-A5000	M103x1,5	119,00 (4,69)	22,10 (0,87)	24,00 (0,95)	54,00 (2,13)	77,00 (3,03)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A38	A50				
NET VOLUME ⁽¹⁾	ml	170,98	380,00			

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1.4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

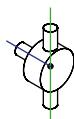
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: TC connectable Shut Off bodies are available also tangential outlet Left or Right

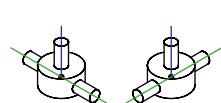
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



Upside-Down Assembly



DIVERTING VALVES

A
B
C
D
E
F
G
H
I
J

E 005
Diverting Valve 180
Parallel Outlet

E 010
Diverting Valve 180
Parallel & Tang. Outlet

E 015
Diverting Valve 90
Opposite Outlet (Up-Right)

E 017
Diverting Valve 90
Opposite Outlet (Up-Left)

E 020
Diverting Valve 90
Opposite & Tang. Outlet
(Up-Right)

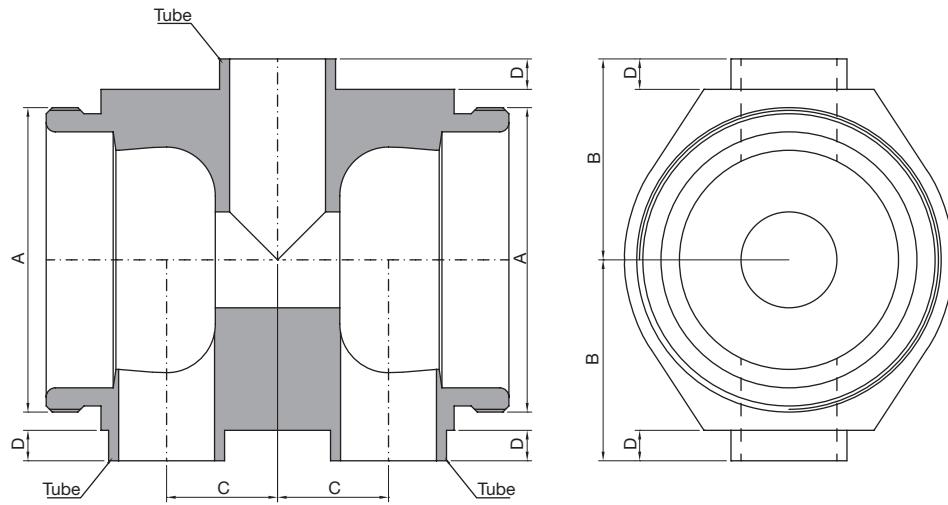
E 022
Diverting Valve 90
Opposite & Tang. Outlet
(Up-Left)

E 025
Diverting Valve 90
Parallel Outlet

E 030
Diverting Valve 90
Parallel & Tang. Outlet

TECHNICAL INFORMATION _ CAT. N. YDVI SOCL SOCL A####

DIVERTING VALVE 180 PARALLEL OUTLET



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Diverting Valve for SAFE areas is a body offering two opposite valves with zero dead leg designed for fluids or gases deviation. Two diverting valves connected from center pipe gives "block and bleed unit" with zero dead leg. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	TUBE* mm (inch)
YDVI-SOCL-SOCL-A1212	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	12,70x1,65 (0,50x0,065)
YDVI-SOCL-SOCL-A1919	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	19,05x1,65 (0,75x0,065)
YDVI-SOCL-SOCL-A2525	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	25,40x1,65 (1,00x0,065)
YDVI-SOCL-SOCL-A3838	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	38,10x1,65 (1,50x0,065)
YDVI-SOCL-SOCL-A5050	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	
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NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

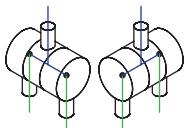
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

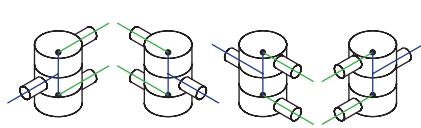
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

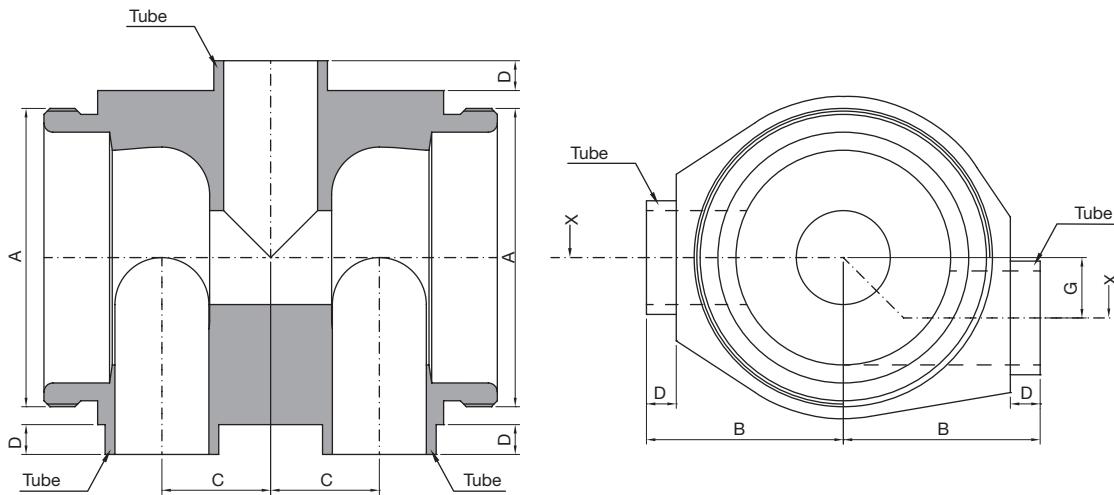


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YDPI SORL SOLL A####

DIVERTING VALVE 180 PARALLEL & TANG. OUTLET



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Diverting Valve for SAFE areas is a body offering two opposite valves with zero dead leg designed for fluids or gases deviation. Two diverting valves connected from center pipe gives "block and bleed unit" with zero dead leg. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	G mm (inch)	TUBE* mm (inch)
YDPI-SORL-SOLL-A1212	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	8,00 (0,32)	12,70x1,65 (0,50x0,065)
YDPI-SORL-SOLL-A1919	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
YDPI-SORL-SOLL-A2525	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	17,00 (0,67)	25,40x1,65 (1,00x0,065)
YDPI-SORL-SOLL-A3838	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	19,00 (0,75)	38,10x1,65 (1,50x0,065)
YDPI-SORL-SOLL-A5050	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME ⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

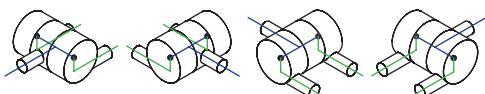
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

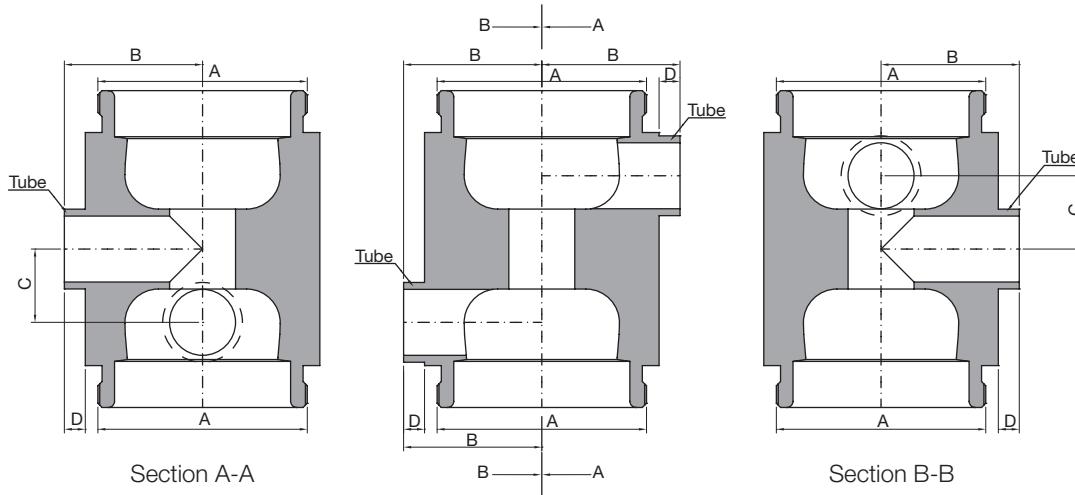
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YDRL SOCL SOCL A####

DIVERTING VALVE 90 OPPOSITE OUTLET (UP-RIGHT)



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Diverting Valve for SAFE areas is a body offering two opposite valves with zero dead leg designed for fluids or gases deviation. Two diverting valves connected from center pipe gives "block and bleed unit" with zero dead leg. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	TUBE* mm (inch)
YDRL-SOCL-SOCL-A1212	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	12,70x1,65 (0,50x0,065)
YDRL-SOCL-SOCL-A1919	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	19,05x1,65 (0,75x0,065)
YDRL-SOCL-SOCL-A2525	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	25,40x1,65 (1,00x0,065)
YDRL-SOCL-SOCL-A3838	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	38,10x1,65 (1,50x0,065)
YDRL-SOCL-SOCL-A5050	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	
NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58

⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

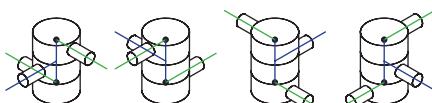
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

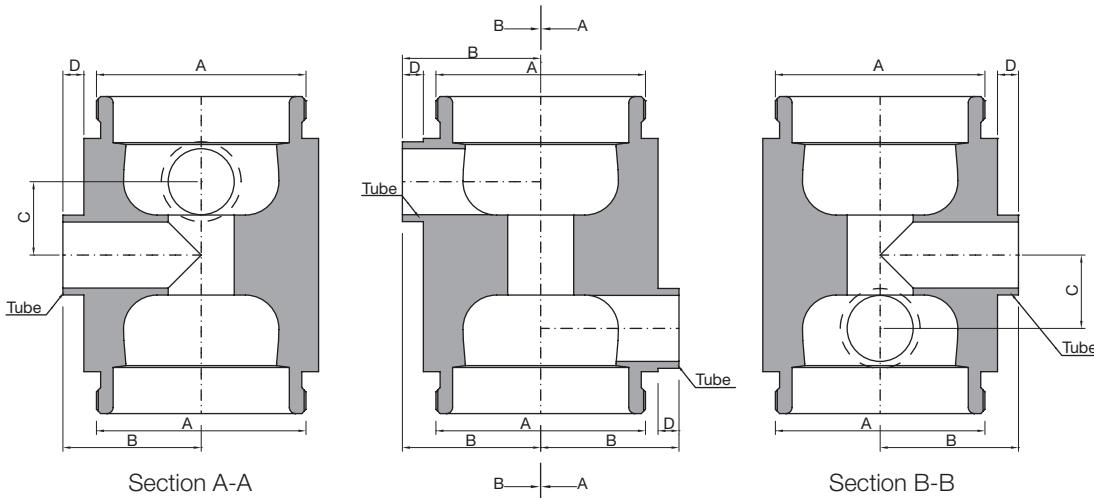
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YDLL SOCL SOCL A####

DIVERTING VALVE 90 OPPOSITE OUTLET (UP-LEFT)



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Diverting Valve for SAFE areas is a body offering two opposite valves with zero dead leg designed for fluids or gases deviation. Two diverting valves connected from center pipe gives "block and bleed unit" with zero dead leg. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	TUBE* mm (inch)
YDLL-SOCL-SOCL-A1212	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	12,70x1,65 (0,50x0,065)
YDLL-SOCL-SOCL-A1919	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	19,05x1,65 (0,75x0,065)
YDLL-SOCL-SOCL-A2525	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	25,40x1,65 (1,00x0,065)
YDLL-SOCL-SOCL-A3838	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	38,10x1,65 (1,50x0,065)
YDLL-SOCL-SOCL-A5050	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	
NET VOLUME ⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58

⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

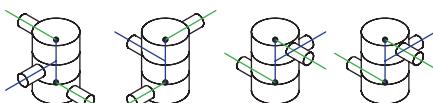
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

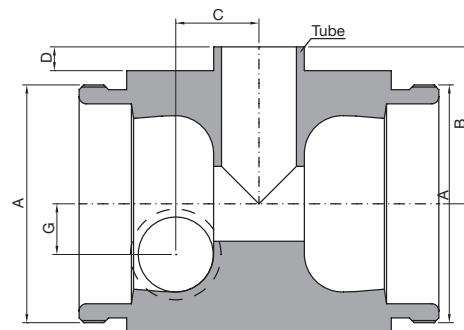
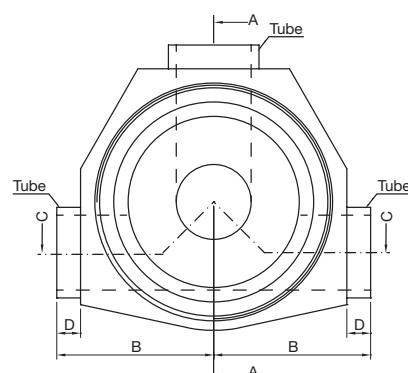
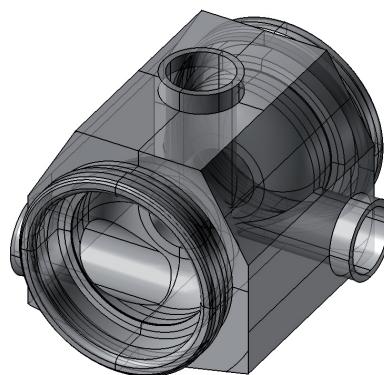
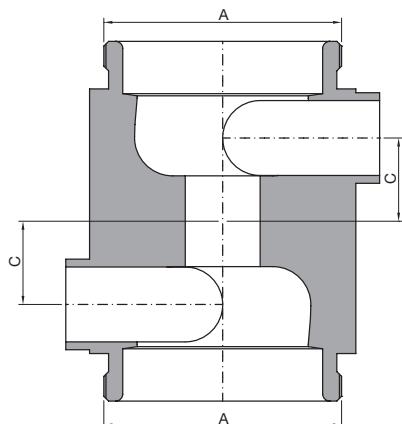
Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YDRL SOLL SOLL A####

DIVERTING VALVE 90 OPPOSITE & TANG. OUTLET (UP-RIGHT)

Section C-C



Section A-A

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Diverting Valve for SAFE areas is a body offering two opposite valves with zero dead leg designed for fluids or gases deviation. Two diverting valves connected from center pipe gives "block and bleed unit" with zero dead leg. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	G mm (inch)	TUBE* mm (inch)
YDRL-SOLL-SOLL-A1212	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	8,00 (0,32)	12,70x1,65 (0,50x0,065)
YDRL-SOLL-SOLL-A1919	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
YDRL-SOLL-SOLL-A2525	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	17,00 (0,67)	25,40x1,65 (1,00x0,065)
YDRL-SOLL-SOLL-A3838	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	19,00 (0,75)	38,10x1,65 (1,50x0,065)
YDRL-SOLL-SOLL-A5050	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	

⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

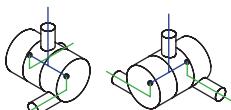
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

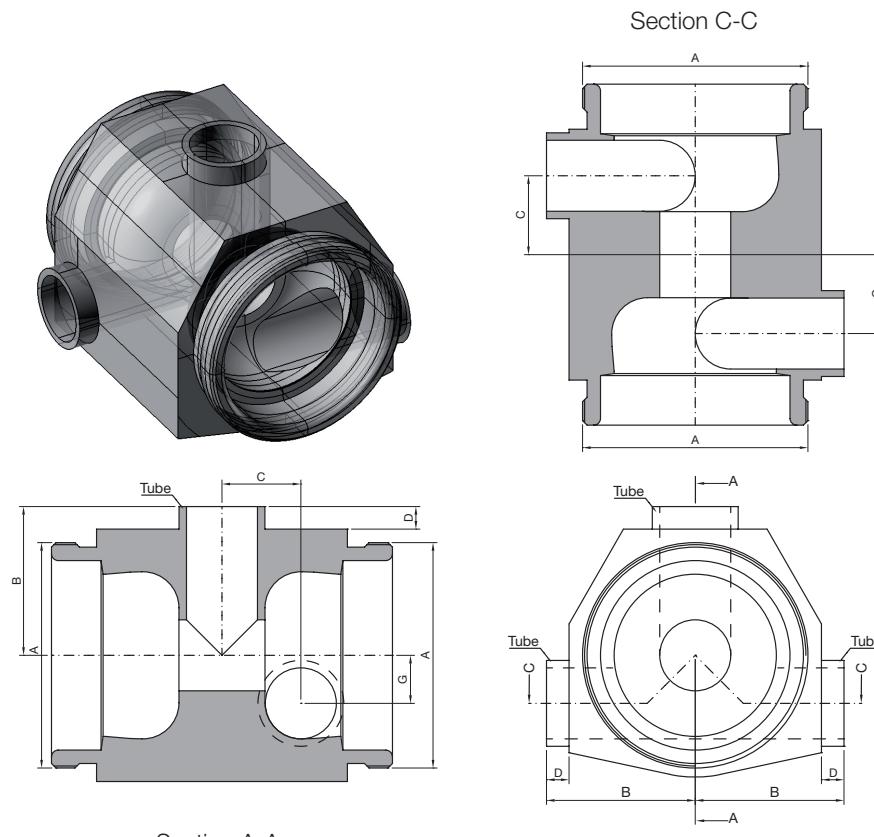
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YDLL SORL SORL A####

DIVERTING VALVE 90 OPPOSITE & TANG. OUTLET (UP-LEFT)



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Diverting Valve for SAFE areas is a body offering two opposite valves with zero dead leg designed for fluids or gases deviation. Two diverting valves connected from center pipe gives "block and bleed unit" with zero dead leg. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	G mm (inch)	TUBE* mm (inch)
YDLL-SORL-SORL-A1212	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	8,00 (0,32)	12,70x1,65 (0,50x0,065)
YDLL-SORL-SORL-A1919	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
YDLL-SORL-SORL-A2525	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	17,00 (0,67)	25,40x1,65 (1,00x0,065)
YDLL-SORL-SORL-A3838	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	19,00 (0,75)	38,10x1,65 (1,50x0,065)
YDLL-SORL-SORL-A5050	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME ⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

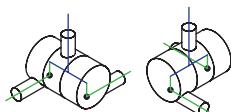
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

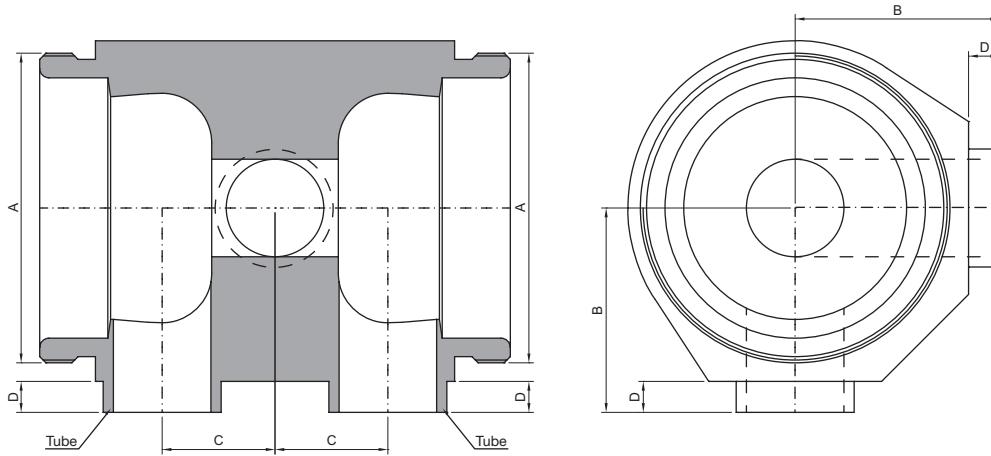
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YDVL SOCL SOCL A####

DIVERTING VALVE 90 PARALLEL OUTLET



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Diverting Valve for SAFE areas is a body offering two opposite valves with zero dead leg designed for fluids or gases deviation. Two diverting valves connected from center pipe gives "block and bleed unit" with zero dead leg. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	TUBE* mm (inch)
YDVL-SOCL-SOCL-A1212	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	12,70x1,65 (0,50x0,065)
YDVL-SOCL-SOCL-A1919	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	19,05x1,65 (0,75x0,065)
YDVL-SOCL-SOCL-A2525	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	25,40x1,65 (1,00x0,065)
YDVL-SOCL-SOCL-A3838	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	38,10x1,65 (1,50x0,065)
YDVL-SOCL-SOCL-A5050	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	
NET VOLUME⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58

⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

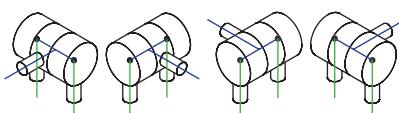
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

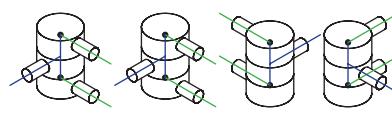
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

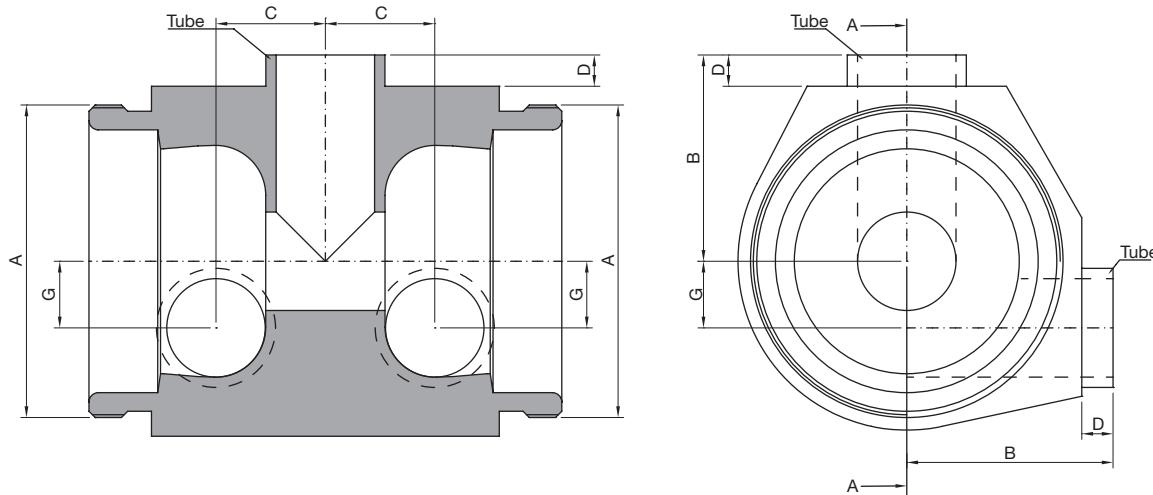


Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YDPL SORL SOLL A####

DIVERTING VALVE 90 PARALLEL & TANG. OUTLET



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Diverting Valve for SAFE areas is a body offering two opposite valves with zero dead leg designed for fluids or gases deviation. Two diverting valves connected from center pipe gives "block and bleed unit" with zero dead leg. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	G mm (inch)	TUBE* mm (inch)
YDPL-SORL-SOLL-A1212	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	8,00 (0,32)	12,70x1,65 (0,50x0,065)
YDPL-SORL-SOLL-A1919	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	11,00 (0,43)	19,05x1,65 (0,75x0,065)
YDPL-SORL-SOLL-A2525	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	17,00 (0,67)	25,40x1,65 (1,00x0,065)
YDPL-SORL-SOLL-A3838	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	19,00 (0,75)	38,10x1,65 (1,50x0,065)
YDPL-SORL-SOLL-A5050	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	25,00 (0,98)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME ⁽¹⁾	ml	2,86	10,23	32,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

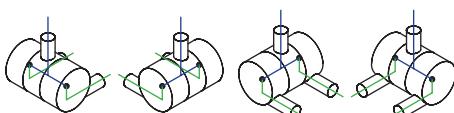
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



VALVES ON PIPE

A
B
C
D
E
F
G
H
I
J

F 005

 Coaxial Shut Off 90
 Valve 12 On Pipe

F 010

 Coaxial Shut Off 90
 Valve 19 On Pipe

F 015

 Coaxial Shut Off 90
 Valve 25 On Pipe

F 020

 Coaxial Shut Off 90
 Valve 38 On Pipe

F 025

 Coaxial Shut Off 90
 Valve 50 On Pipe

F 040

 Shut Off 90
 Valve 12 Tang. On Pipe

F 045

 Shut Off 90
 Valve 19 Tang. On Pipe

F 050

 Shut Off 90
 Valve 25 Tang. On Pipe

F 055

 Shut Off 90
 Valve 38 Tang. On Pipe

F 060

 Shut Off 90
 Valve 50 Tang. On Pipe

F 070

 Coaxial Shut Off 90
 Valve 12 On Pipe + Sip Valve 12

F 075

 Coaxial Shut Off 90
 Valve 19 On Pipe + Sip Valve 12

F 080

 Coaxial Shut Off 90
 Valve 25 On Pipe + Sip Valve 12

F 085

 Coaxial Shut Off 90
 Valve 38 On Pipe + Sip Valve 12

F 105

 Tangential Shut Off 90
 Valve 12 On Pipe + Sip Valve 12

F 110

 Tangential Shut Off 90
 Valve 19 On Pipe + Sip Valve 12

F 115

 Tangential Shut Off 90
 Valve 25 On Pipe + Sip Valve 12

F 120

 Tangential Shut Off 90
 Valve 38 On Pipe + Sip Valve 12

F 135

 Coaxial Flow Through 180
 Valve 12 On Pipe

F 140

 Coaxial Flow Through 180
 Valve 19 On Pipe

F 145

 Coaxial Flow Through 180
 Valve 25 On Pipe

F 150

 Coaxial Flow Through 180
 Valve 38 On Pipe

F 155

 Coaxial Flow Through 180
 Valve 50 On Pipe

F 170

 Flow Through 180
 Valve 12 Tang. On Pipe

F 175

 Flow Through 180
 Valve 19 Tang. On Pipe

F 180

 Flow Through 180
 Valve 25 Tang. On Pipe

F 185

 Flow Through 180
 Valve 38 Tang. On Pipe

F 190

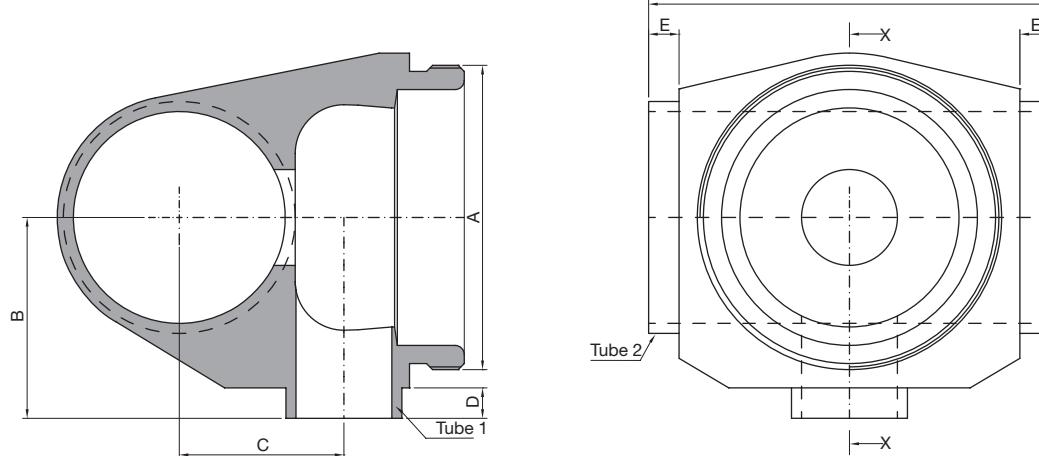
 Flow Through 180
 Valve 50 Tang. On Pipe

F 200

 Double Shut Off Valve On Line
 Opposite Outlet

TECHNICAL INFORMATION _ CAT. N. YP## SOCL 0000 A1200

COAXIAL SHUT OFF 90 VALVE 12 ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YP## - SOCL - Coaxial Shut Off on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Body shape with flush flow seal on pipe and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YP12-SOCL-0000-A1200	M34x1	26,00 (1,02)	11,00 (0,43)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	12,70x1,65 (0,50x0,065)
YP19-SOCL-0000-A1200	M34x1	26,00 (1,02)	14,00 (0,55)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	19,05x1,65 (0,75x0,065)
YP25-SOCL-0000-A1200	M34x1	26,00 (1,02)	17,50 (0,69)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	25,40x1,65 (1,00x0,065)
YP38-SOCL-0000-A1200	M34x1	26,00 (1,02)	23,50 (0,93)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	38,10x1,65 (1,50x0,065)
YP50-SOCL-0000-A1200	M34x1	31,00 (1,22)	30,00 (1,18)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	50,80x1,65 (2,00x0,065)
YP63-SOCL-0000-A1200	M34x1	38,00 (1,50)	36,50 (1,44)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	63,50x1,65 (2,50x0,065)
YP76-SOCL-0000-A1200	M34x1	44,00 (1,73)	43,00 (1,69)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CADE SIZE	A12						
NET VOLUME ⁽¹⁾	ml	2,86					

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

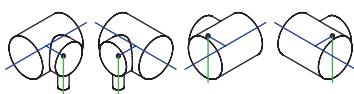
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

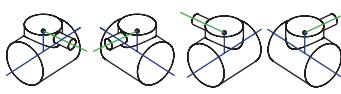
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

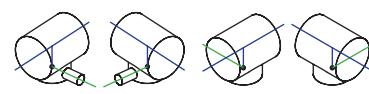
Horizontal Assembly



Vertical Assembly

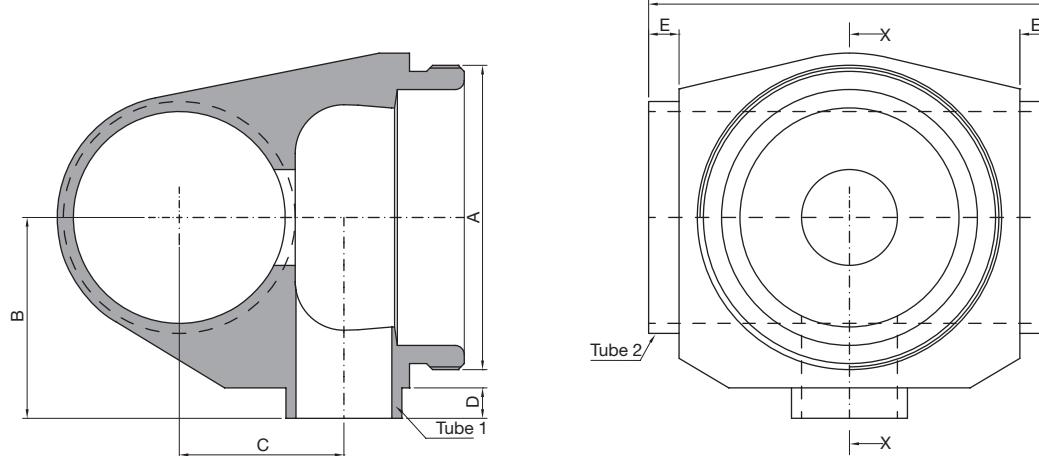


Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YP## SOCL 0000 A1900

COAXIAL SHUT OFF 90 VALVE 19 ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YP## - SOCL - Coaxial Shut Off on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Body shape with flush flow seal on pipe and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YP19-SOCL-0000-A1900	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,50x1,65 (0,75x0,065)	19,50x1,65 (0,75x0,065)
YP25-SOCL-0000-A1900	M50x1	33,00 (1,30)	21,00 (0,83)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,50x1,65 (0,75x0,065)	25,40x1,65 (1,00x0,065)
YP38-SOCL-0000-A1900	M50x1	33,00 (1,30)	27,00 (1,06)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,50x1,65 (0,75x0,065)	38,10x1,65 (1,50x0,065)
YP50-SOCL-0000-A1900	M50x1	33,00 (1,30)	33,50 (1,32)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,50x1,65 (0,75x0,065)	50,80x1,65 (2,00x0,065)
YP63-SOCL-0000-A1900	M50x1	38,00 (1,30)	40,00 (1,58)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,50x1,65 (0,75x0,065)	63,50x1,65 (2,50x0,065)
YP76-SOCL-0000-A1900	M50x1	44,00 (1,73)	46,00 (1,81)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,50x1,65 (0,75x0,065)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CADE SIZE	A19						
NET VOLUME ⁽¹⁾	ml	10,23					

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

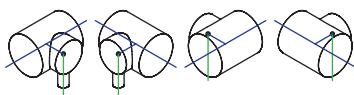
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

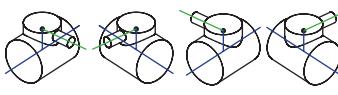
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

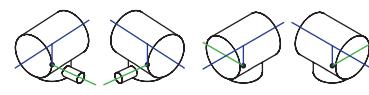
Horizontal Assembly



Vertical Assembly

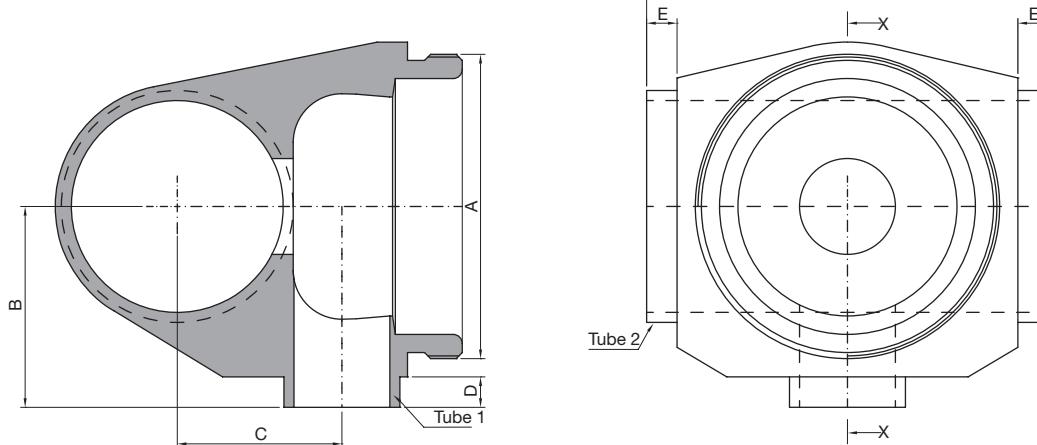


Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YP## SOCL 0000 A2500

COAXIAL SHUT OFF 90 VALVE 25 ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YP## - SOCL - Coaxial Shut Off on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Body shape with flush flow seal on pipe and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YP25-SOCL-0000-A2500	M70x1	47,00 (1,85)	24,00 (0,95)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,40x1,65 (1,00x0,065)	25,40x1,65 (1,00x0,065)
YP38-SOCL-0000-A2500	M70x1	47,00 (1,85)	30,00 (1,18)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,40x1,65 (1,00x0,065)	38,10x1,65 (1,50x0,065)
YP50-SOCL-0000-A2500	M70x1	47,00 (1,85)	36,50 (1,44)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,40x1,65 (1,00x0,065)	50,80x1,65 (2,00x0,065)
YP63-SOCL-0000-A2500	M70x1	47,00 (1,85)	43,00 (1,69)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,40x1,65 (1,00x0,065)	63,50x1,65 (2,50x0,065)
YP76-SOCL-0000-A2500	M70x1	47,00 (1,85)	49,00 (1,93)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,40x1,65 (1,00x0,065)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CADE SIZE	A25						
NET VOLUME ⁽¹⁾	ml	32,14					

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

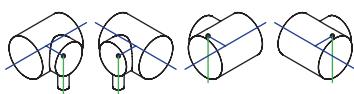
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

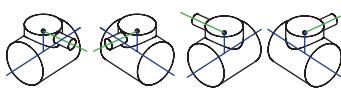
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

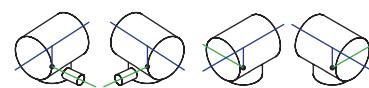
Horizontal Assembly



Vertical Assembly

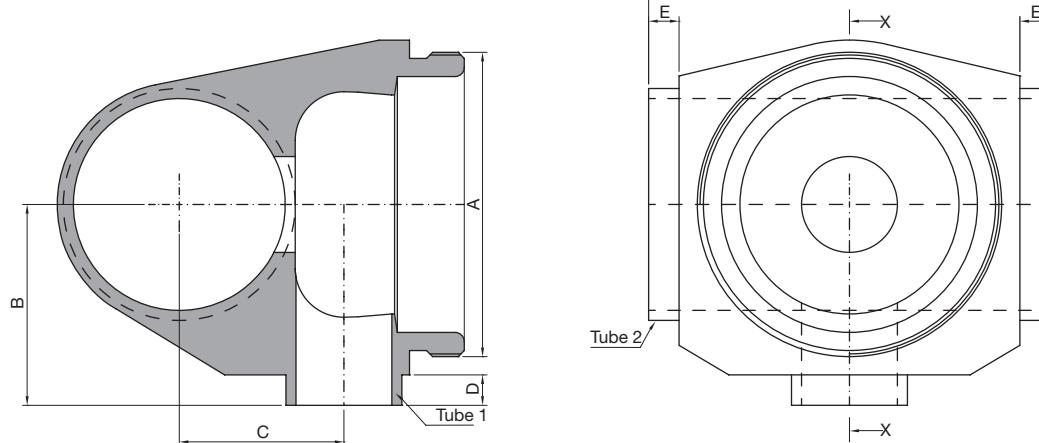


Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YP## SOCL 0000 A3800

COAXIAL SHUT OFF 90 VALVE 38 ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YP## - SOCL - Coaxial Shut Off on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Body shape with flush flow seal on pipe and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YP38-SOCL-0000-A3800	M80x1,5	60,00 (2,36)	36,50 (1,44)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	38,10x1,65 (1,50x0,065)	38,10x1,65 (1,50x0,065)
YP50-SOCL-0000-A3800	M80x1,5	60,00 (2,36)	43,00 (1,69)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	38,10x1,65 (1,50x0,065)	50,80x1,65 (2,00x0,065)
YP63-SOCL-0000-A3800	M80x1,5	60,00 (2,36)	49,00 (1,93)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	38,10x1,65 (1,50x0,065)	63,50x1,65 (2,50x0,065)
YP76-SOCL-0000-A3800	M80x1,5	60,00 (2,36)	55,50 (2,19)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	38,10x1,65 (1,50x0,065)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CADE SIZE	A38						
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NET VOLUME ⁽¹⁾	ml	86,89					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

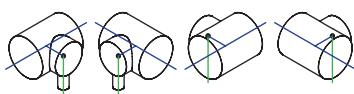
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

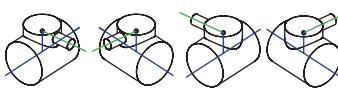
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

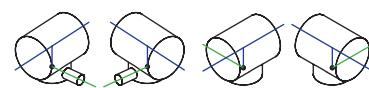
Horizontal Assembly



Vertical Assembly

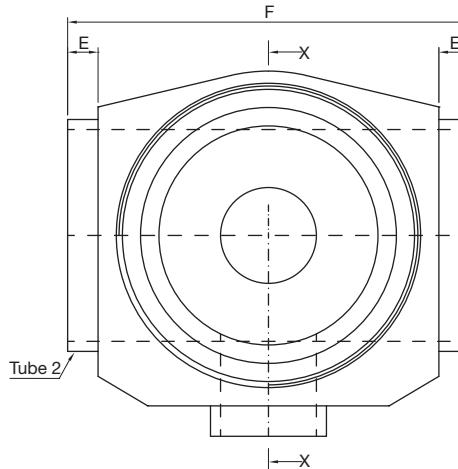
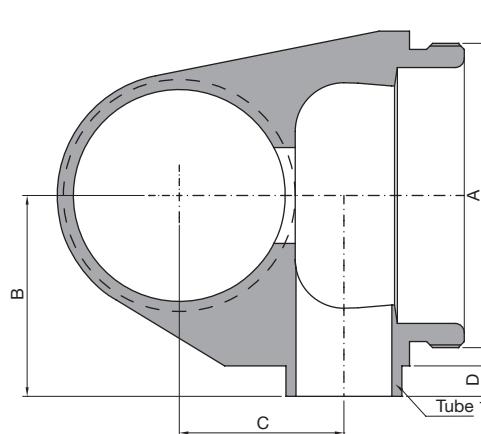


Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YP## SOCL 0000 A5000

COAXIAL SHUT OFF 90 VALVE 50 ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YP## - SOCL - Coaxial Shut Off on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Body shape with flush flow seal on pipe and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YP50-SOCL-0000-A5000	M103x1,5	75,00 (2,95)	49,50 (1,95)	24,00 (0,95)	24,00 (0,95)	150,00 (5,91)	38,10x1,65 (1,50x0,065)	50,80x1,65 (2,00x0,065)
YP63-SOCL-0000-A5000	M103x1,5	75,00 (2,95)	55,50 (2,19)	24,00 (0,95)	24,00 (0,95)	150,00 (5,91)	38,10x1,65 (1,50x0,065)	63,50x1,65 (2,50x0,065)
YP76-SOCL-0000-A5000	M103x1,5	75,00 (2,95)	62,00 (2,44)	24,00 (0,95)	24,00 (0,95)	150,00 (5,91)	38,10x1,65 (1,50x0,065)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CADE SIZE	A50						
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NET VOLUME ⁽¹⁾	ml	208,58					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

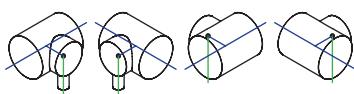
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

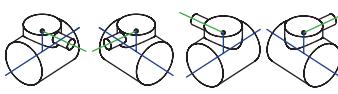
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

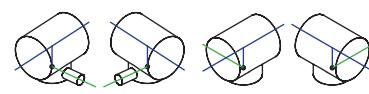
Horizontal Assembly



Vertical Assembly

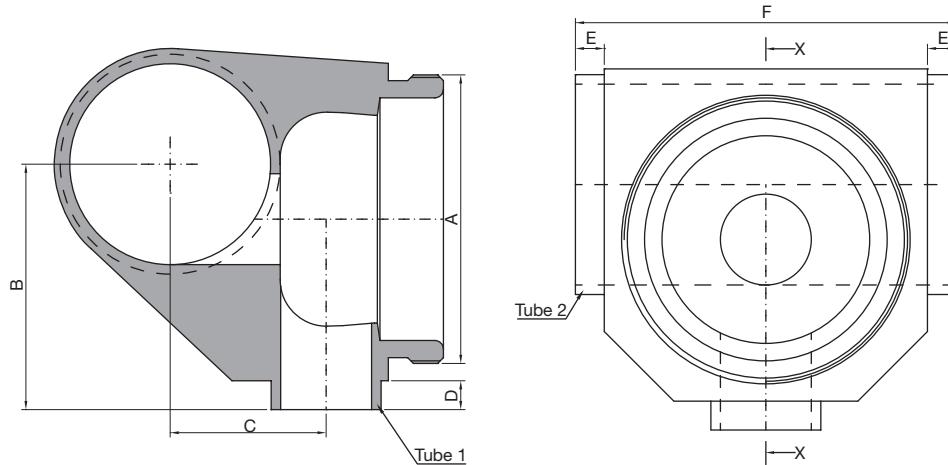


Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YL## SOCL 0000 A1200

SHUT OFF 90 VALVE 12 TANG. ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YL## - SOCL - Tangential Shut Off on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Valve inlet is tangential on pipe allowing full drainability of the pipeline through the horizontal valve assembly. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YL19-SOCL-0000-A1200	M34x1	29,00 (1,14)	14,50 (0,57)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	19,05x1,65 (0,75x0,065)
YL25-SOCL-0000-A1200	M34x1	32,50 (1,28)	18,00 (0,71)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	25,40x1,65 (1,00x0,065)
YL38-SOCL-0000-A1200	M34x1	38,00 (1,50)	24,00 (0,95)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	38,10x1,65 (1,50x0,065)
YL50-SOCL-0000-A1200	M34x1	45,00 (1,77)	29,00 (1,14)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	50,80x1,65 (2,00x0,065)
YL63-SOCL-0000-A1200	M34x1	51,50 (2,03)	32,50 (1,28)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	63,50x1,65 (2,50x0,065)
YL76-SOCL-0000-A1200	M34x1	58,00 (2,28)	36,50 (1,44)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CADE SIZE	A12						
NET VOLUME ⁽¹⁾	ml	2,86					

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

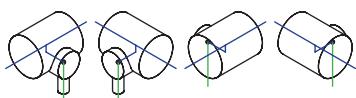
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

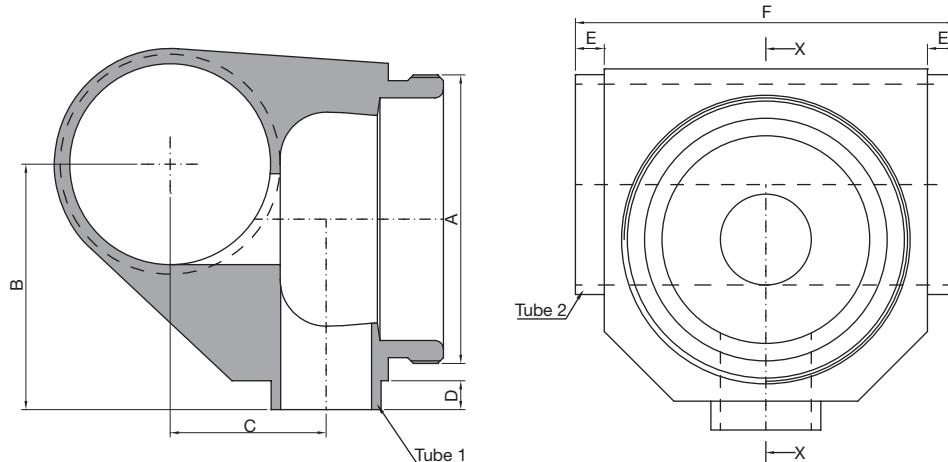
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YL## SOCL 0000 A1900

SHUT OFF 90 VALVE 19 TANG. ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YL## - SOCL - Tangential Shut Off on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Valve inlet is tangential on pipe allowing full drainability of the pipeline through the horizontal valve assembly. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YL25-SOCL-0000-A1900	M50x1	36,00 (1,42)	21,00 (0,83)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,05x1,65 (0,75x0,065)	25,40x1,65 (1,00x0,065)
YL38-SOCL-0000-A1900	M50x1	42,50 (1,67)	27,50 (1,09)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,05x1,65 (0,75x0,065)	38,10x1,65 (1,50x0,065)
YL50-SOCL-0000-A1900	M50x1	49,00 (1,93)	34,00 (1,34)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,05x1,65 (0,75x0,065)	50,80x1,65 (2,00x0,065)
YL63-SOCL-0000-A1900	M50x1	60,00 (2,36)	39,00 (1,54)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,05x1,65 (0,75x0,065)	63,50x1,65 (2,50x0,065)
YL76-SOCL-0000-A1900	M50x1	72,50 (2,85)	43,50 (1,71)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,05x1,65 (0,75x0,065)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CADE SIZE	A19						
NET VOLUME ⁽¹⁾	ml	10,23					

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

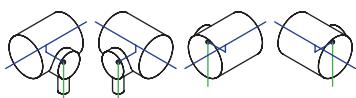
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

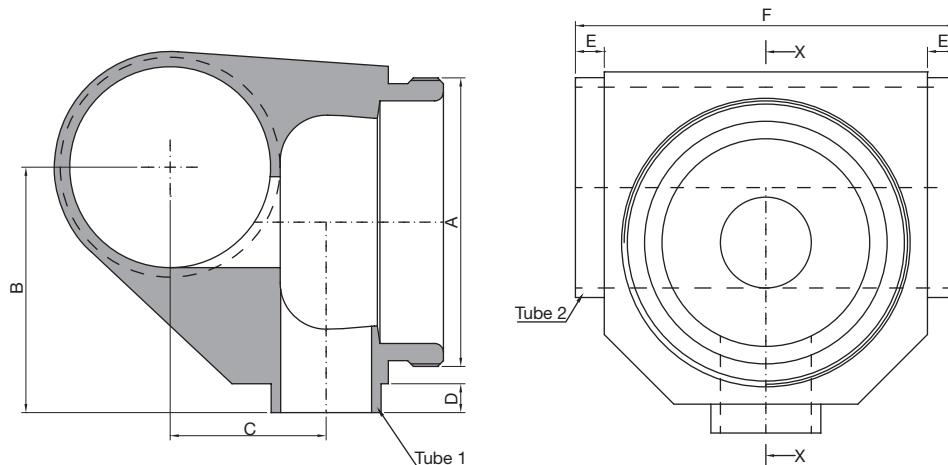
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YL## SOCL 0000 A2500

SHUT OFF 90 VALVE 25 TANG. ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YL## - SOCL - Tangential Shut Off on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Valve inlet is tangential on pipe allowing full drainability of the pipeline through the horizontal valve assembly. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YL38-SOCL-0000-A2500	M70x1	53,50 (2,11)	30,50 (1,20)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,40x1,65 (1,00x0,065)	38,10x1,65 (1,50x0,065)
YL50-SOCL-0000-A2500	M70x1	59,50 (2,34)	37,00 (1,46)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,40x1,65 (1,00x0,065)	50,80x1,65 (2,00x0,065)
YL63-SOCL-0000-A2500	M70x1	66,00 (2,60)	43,50 (1,71)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,40x1,65 (1,00x0,065)	63,50x1,65 (2,50x0,065)
YL76-SOCL-0000-A2500	M70x1	72,50 (2,85)	49,50 (1,95)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,40x1,65 (1,00x0,065)	76,20x1,65 (3,00x0,065)
YL00-SOCL-0000-A2500	M70x1	94,50 (3,72)	62,00 (2,44)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,40x1,65 (1,00x0,065)	101,60x2,11 (4,00x0,083)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CADE SIZE	A25						
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NET VOLUME ⁽¹⁾	ml	32,14					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

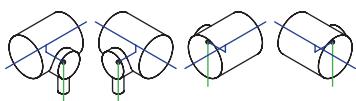
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

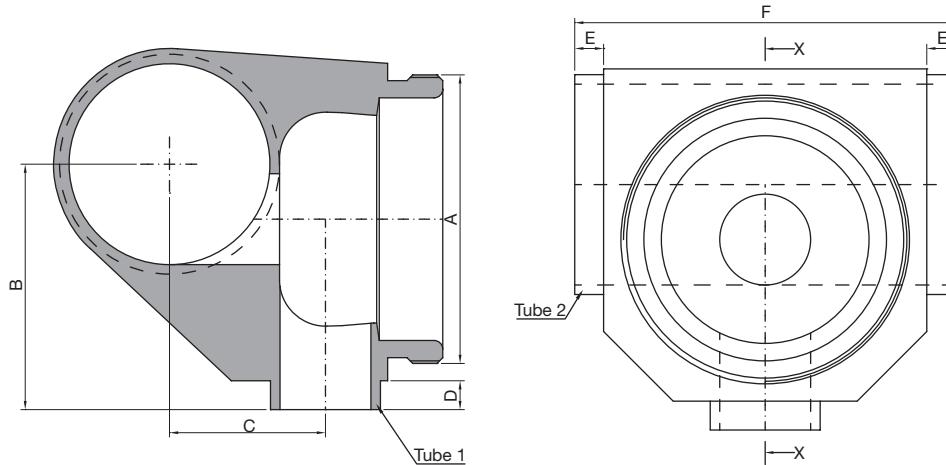
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YL## SOCL 0000 A3800

SHUT OFF 90 VALVE 38 TANG. ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YL## - SOCL - Tangential Shut Off on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Valve inlet is tangential on pipe allowing full drainability of the pipeline through the horizontal valve assembly. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YL50-SOCL-0000-A3800	M80x1,5	66,50 (2,62)	43,50 (1,71)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	38,10x1,65 (1,50x0,065)	50,80x1,65 (2,00x0,065)
YL63-SOCL-0000-A3800	M80x1,5	72,50 (2,85)	50,00 (1,97)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	38,10x1,65 (1,50x0,065)	63,50x1,65 (2,50x0,065)
YL76-SOCL-0000-A3800	M80x1,5	79,00 (3,11)	56,00 (2,21)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	38,10x1,65 (1,50x0,065)	76,20x1,65 (3,00x0,065)
YL00-SOCL-0000-A3800	M80x1,5	91,50 (3,60)	69,00 (2,72)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	38,10x1,65 (1,50x0,065)	101,60x2,11 (4,00x0,083)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CADE SIZE	A38						
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NET VOLUME ⁽¹⁾	ml	86,89					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

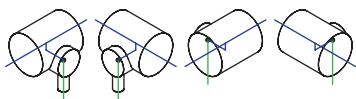
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

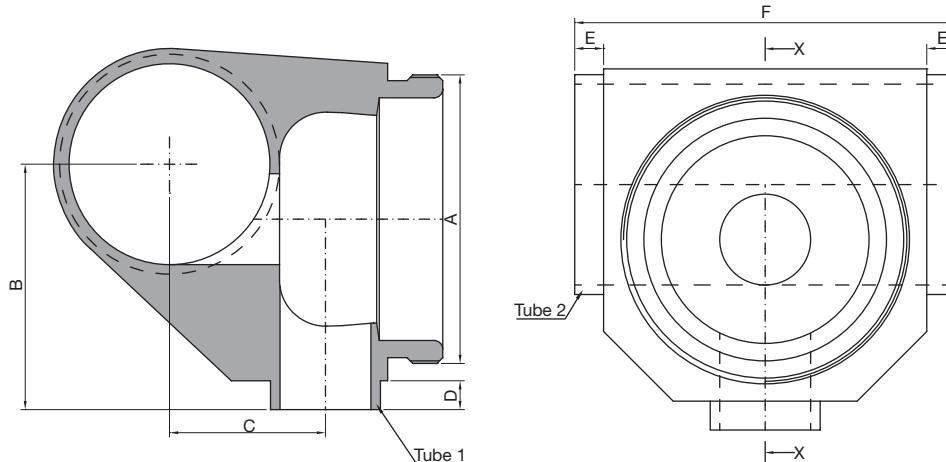
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YL## SOCL 0000 A5000

SHUT OFF 90 VALVE 50 TANG. ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YL## - SOCL - Tangential Shut Off on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Valve inlet is tangential on pipe allowing full drainability of the pipeline through the horizontal valve assembly. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YL63-SOCL-0000-A5000	M103x1,5	81,50 (3,21)	56,00 (2,20)	24,00 (0,95)	24,00 (0,95)	150,00 (5,91)	50,80x1,65 (2,00x0,065)	63,50x1,65 (2,50x0,065)
YL76-SOCL-0000-A5000	M103x1,5	87,50 (3,45)	62,50 (2,46)	24,00 (0,95)	24,00 (0,95)	150,00 (5,91)	50,80x1,65 (2,00x0,065)	76,20x1,65 (3,00x0,065)
YL00-SOCL-0000-A5000	M103x1,5	100,00 (3,94)	75,00 (2,95)	24,00 (0,95)	24,00 (0,95)	150,00 (5,91)	50,80x1,65 (2,00x0,065)	101,60x2,11 (4,00x0,083)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CADE SIZE	A50						
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NET VOLUME ⁽¹⁾	ml	208,58					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

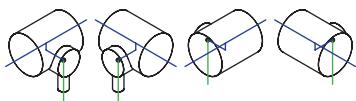
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

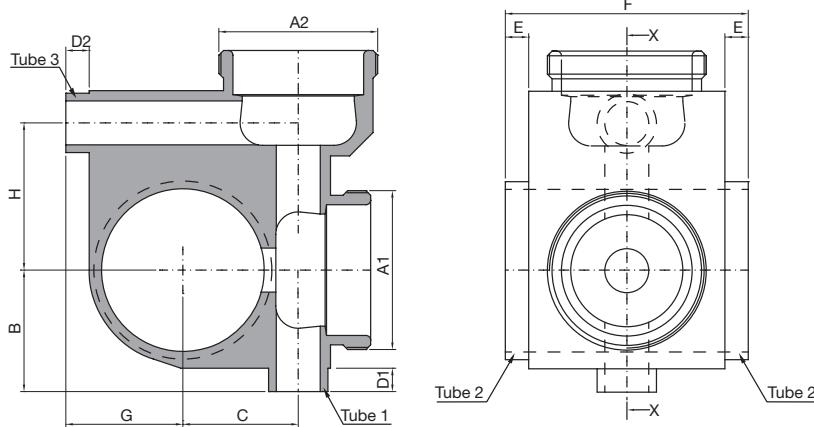
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YU## SOCL SOCL A1212

COAXIAL SHUT OFF 90 VALVE 12 ON PIPE + SIP VALVE 12



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YU## - SOCL - SOCL - Coaxial Shut Off on Pipe Valves + SIP Valve for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. The satellite valve may be used for CIP-SIP process of the Valve on Pipe body and their downstream pipeline. Body shape with flush flow seal on pipe and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A 1	A 2	B mm (inch)	C mm (inch)	D1 mm (inch)	D2 mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	H mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)	TUBE 3* mm (inch)
YU12-SOCL-SOCL-A1212	M34x1	M34x1	26,00 (1,02)	12,00 (0,47)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	19,00 (0,75)	31,50 (1,24)	12,70x1,65 (0,50x0,065)	12,70x1,65 (0,50x0,065)	12,70x1,65 (0,50x0,065)
YU19-SOCL-SOCL-A1212	M34x1	M34x1	26,00 (1,02)	15,00 (0,59)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	15,50 (0,62)	31,50 (1,24)	12,70x1,65 (0,50x0,065)	19,50x1,65 (0,75x0,065)	12,70x1,65 (0,50x0,065)
YU25-SOCL-SOCL-A1212	M34x1	M34x1	26,00 (1,02)	18,50 (0,73)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	18,50 (0,73)	31,50 (1,24)	12,70x1,65 (0,50x0,065)	25,40x1,65 (1,00x0,065)	12,70x1,65 (0,50x0,065)
YU38-SOCL-SOCL-A1212	M34x1	M34x1	26,00 (1,02)	24,50 (0,97)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	25,00 (0,98)	31,50 (1,24)	12,70x1,65 (0,50x0,065)	38,10x1,65 (1,50x0,065)	12,70x1,65 (0,50x0,065)
YU50-SOCL-SOCL-A1212	M34x1	M34x1	31,00 (1,22)	31,00 (1,22)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	31,00 (1,22)	31,50 (1,24)	12,70x1,65 (0,50x0,065)	50,80x1,65 (2,00x0,065)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12						
NET VOLUME ⁽¹⁾	ml	2,86					

⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

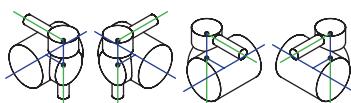
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

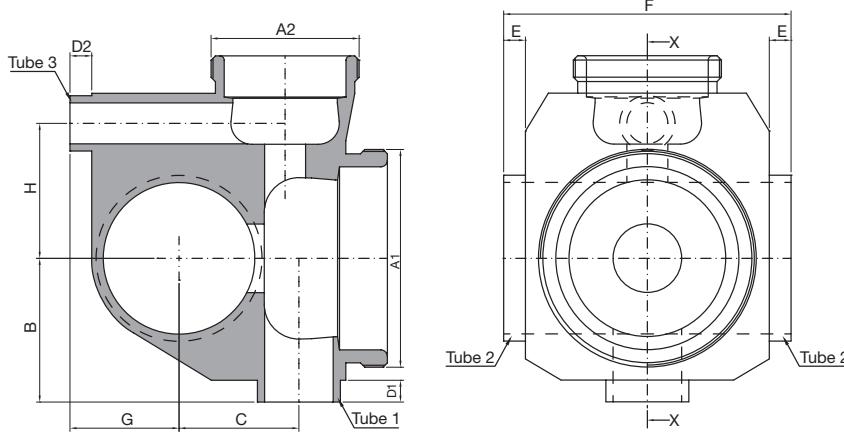
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YU## SOCL SOCL A1912

COAXIAL SHUT OFF 90 VALVE 19 ON PIPE + SIP VALVE 12



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YU## - SOCL - SOCL - Coaxial Shut Off on Pipe Valves + SIP Valve for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. The satellite valve may be used for CIP-SIP process of the Valve on Pipe body and their downstream pipeline. Body shape with flush flow seal on pipe and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A 1	A 2	B mm (inch)	C mm (inch)	D1 mm (inch)	D2 mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	H mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)	TUBE 3* mm (inch)
YU19-SOCL-SOCL-A1912	M50x1	M34x1	33,00 (1,30)	18,00 (0,71)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	18,50 (0,73)	31,00 (1,22)	19,05x1,65 (0,75x0,065)	19,05x1,65 (0,75x0,065)	12,70x1,65 (0,50x0,065)
YU25-SOCL-SOCL-A1912	M50x1	M34x1	33,00 (1,30)	21,00 (0,83)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	18,50 (0,73)	31,00 (1,22)	19,05x1,65 (0,75x0,065)	25,40x1,65 (1,00x0,065)	12,70x1,65 (0,50x0,065)
YU38-SOCL-SOCL-A1912	M50x1	M34x1	33,00 (1,30)	27,50 (1,08)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	25,00 (0,98)	31,00 (1,22)	19,05x1,65 (0,75x0,065)	38,10x1,65 (1,50x0,065)	12,70x1,65 (0,50x0,065)
YU50-SOCL-SOCL-A1912	M50x1	M34x1	33,00 (1,30)	34,00 (1,34)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	31,50 (1,24)	31,00 (1,22)	19,05x1,65 (0,75x0,065)	50,80x1,65 (2,00x0,065)	12,70x1,65 (0,50x0,065)
YU63-SOCL-SOCL-A1912	M50x1	M34x1	38,00 (1,50)	40,50 (1,60)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	38,00 (1,50)	37,50 (1,48)	19,05x1,65 (0,75x0,065)	63,50x1,65 (2,50x0,065)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19				
NET VOLUME ⁽¹⁾	ml	2,86	10,23			

⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

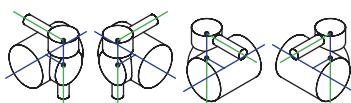
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

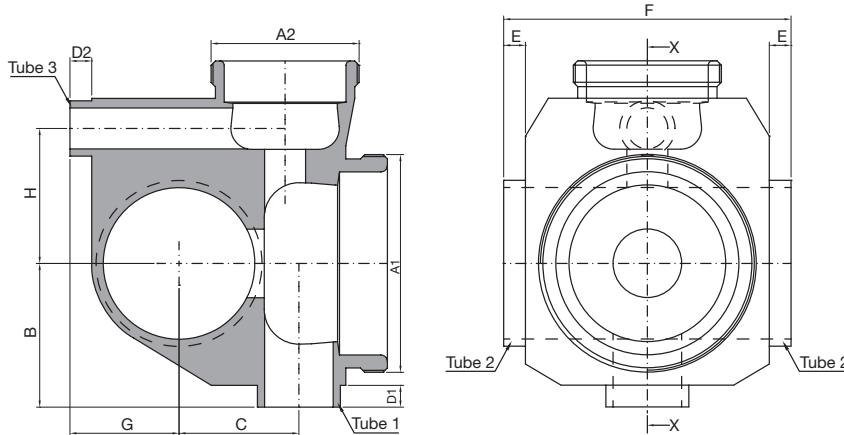
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YU## SOCL SOCL A2512

COAXIAL SHUT OFF 90 VALVE 25 ON PIPE + SIP VALVE 12



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YU## - SOCL - SOCL - Coaxial Shut Off on Pipe Valves + SIP Valve for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. The satellite valve may be used for CIP-SIP process of the Valve on Pipe body and their downstream pipeline. Body shape with flush flow seal on pipe and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A 1	A 2	B mm (inch)	C mm (inch)	D1 mm (inch)	D2 mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	H mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)	TUBE 3* mm (inch)
YU25-SOCL-SOCL-A2512	M70x1	M34x1	47,00 (1,85)	25,00 (0,98)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	18,50 (0,73)	37,00 (1,46)	25,40x1,65 (1,00x0,065)	25,40x1,65 (1,00x0,065)	12,70x1,65 (0,50x0,065)
YU38-SOCL-SOCL-A2512	M70x1	M34x1	47,00 (1,85)	31,00 (1,22)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,00 (0,98)	37,00 (1,46)	25,40x1,65 (1,00x0,065)	38,10x1,65 (1,50x0,065)	12,70x1,65 (0,50x0,065)
YU50-SOCL-SOCL-A2512	M70x1	M34x1	47,00 (1,85)	37,50 (1,48)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	31,50 (1,24)	37,00 (1,46)	25,40x1,65 (1,00x0,065)	50,80x1,65 (2,00x0,065)	12,70x1,65 (0,50x0,065)
YU63-SOCL-SOCL-A2512	M70x1	M34x1	47,00 (1,85)	44,00 (1,73)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	37,50 (1,48)	37,00 (1,46)	25,40x1,65 (1,00x0,065)	63,50x1,65 (2,50x0,065)	12,70x1,65 (0,50x0,065)
YU76-SOCL-SOCL-A2512	M70x1	M34x1	47,00 (1,85)	50,50 (1,99)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	44,00 (1,73)	44,00 (1,73)	25,40x1,65 (1,00x0,065)	76,20x1,65 (3,00x0,065)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A25				
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NET VOLUME ⁽¹⁾	ml	2,86	32,14			
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⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

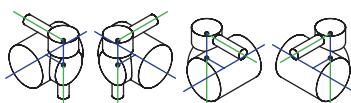
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

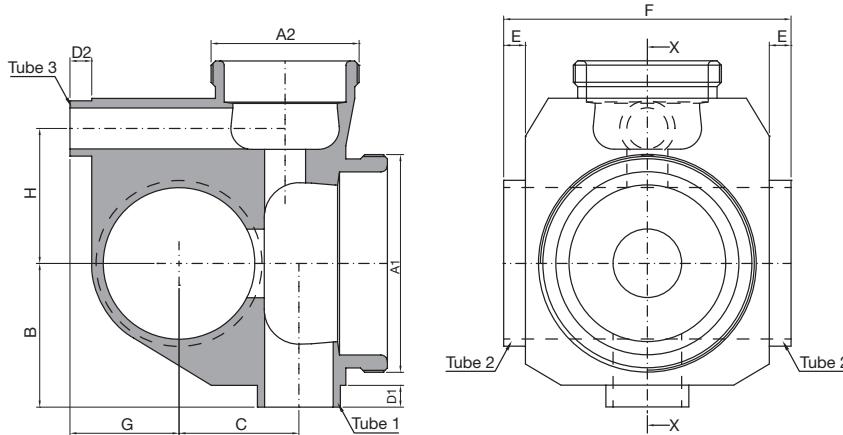
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YU## SOCL SOCL A3812

COAXIAL SHUT OFF 90 VALVE 38 ON PIPE + SIP VALVE 12



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YU## - SOCL - SOCL - Coaxial Shut Off on Pipe Valves + SIP Valve for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. The satellite valve may be used for CIP-SIP process of the Valve on Pipe body and their downstream pipeline. Body shape with flush flow seal on pipe and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A 1	A 2	B mm (inch)	C mm (inch)	D1 mm (inch)	D2 mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	H mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)	TUBE 3* mm (inch)
YU38-SOCL-SOCL-A3812	M80x1,5	M34x1	60,00 (2,36)	37,50 (1,48)	21,00 (0,83)	5,00 (0,20)	21,00 (0,83)	120,00 (4,72)	25,00 (0,98)	44,00 (1,73)	38,10x1,65 (1,50x0,065)	38,10x1,65 (1,50x0,065)	12,70x1,65 (0,50x0,065)
YU50-SOCL-SOCL-A3812	M80x1,5	M34x1	60,00 (2,36)	44,00 (1,73)	21,00 (0,83)	5,00 (0,20)	21,00 (0,83)	120,00 (4,72)	31,50 (1,24)	44,00 (1,73)	38,10x1,65 (1,50x0,065)	50,80x1,65 (2,00x0,065)	12,70x1,65 (0,50x0,065)
YU63-SOCL-SOCL-A3812	M80x1,5	M34x1	60,00 (2,36)	50,50 (1,99)	21,00 (0,83)	5,00 (0,20)	21,00 (0,83)	120,00 (4,72)	38,00 (1,50)	44,00 (1,73)	38,10x1,65 (1,50x0,065)	63,50x1,65 (2,50x0,065)	12,70x1,65 (0,50x0,065)
YU76-SOCL-SOCL-A3812	M80x1,5	M34x1	60,00 (2,36)	56,50 (2,22)	21,00 (0,83)	5,00 (0,20)	21,00 (0,83)	120,00 (4,72)	44,00 (1,73)	44,00 (1,73)	38,10x1,65 (1,50x0,065)	76,20x1,65 (3,00x0,065)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A38				
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NET VOLUME ⁽¹⁾	ml	2,86	86,89			
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⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

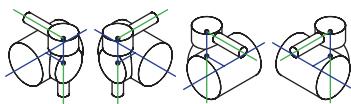
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

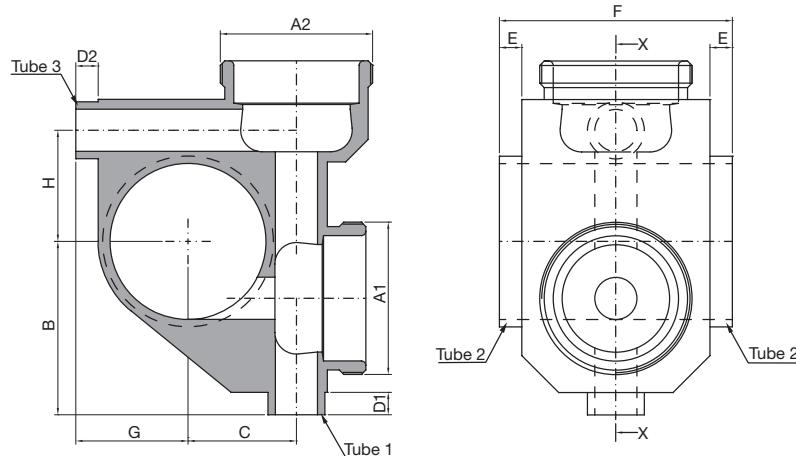
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YH## SOCL SOCL A1212

TANGENTIAL SHUT OFF 90 VALVE 12 ON PIPE + SIP VALVE 12



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YH## - SOCL - SOCL - Tangential Shut Off on Pipe Valves + SIP Valve for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Valve inlet is tangential allowing full drainability of the pipeline through the horizontal valve assembly. The satellite valve may be used for CIP-SIP process of the Valve on Pipe body and the their downstream pipeline. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A 1	A 2	B mm (inch)	C mm (inch)	D1 mm (inch)	D2 mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	H mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)	TUBE 3* mm (inch)
YH19-SOCL-SOCL-A1212	M34x1	M34x1	29,00 (1,14)	14,50 (0,57)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	15,50 (0,61)	28,50 (1,12)	12,70x1,65 (0,50x0,065)	19,05x1,65 (0,75x0,065)	12,70x1,65 (0,50x0,065)
YH25-SOCL-SOCL-A1212	M34x1	M34x1	32,50 (1,28)	18,00 (1,10)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	18,50 (0,73)	25,00 (0,98)	12,70x1,65 (0,50x0,065)	25,40x1,65 (1,00x0,065)	12,70x1,65 (0,50x0,065)
YH38-SOCL-SOCL-A1212	M34x1	M34x1	38,50 (1,52)	24,00 (0,95)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	25,00 (0,98)	25,00 (0,98)	12,70x1,65 (0,50x0,065)	38,10x1,65 (1,50x0,065)	12,70x1,65 (0,50x0,065)
YH50-SOCL-SOCL-A1212	M34x1	M34x1	45,00 (1,77)	30,50 (1,20)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	31,00 (1,22)	31,50 (1,24)	12,70x1,65 (0,50x0,065)	50,80x1,65 (2,00x0,065)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12						
NET VOLUME ⁽¹⁾	ml	2,86					

⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

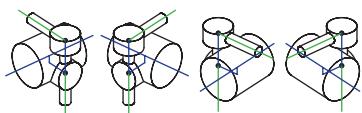
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

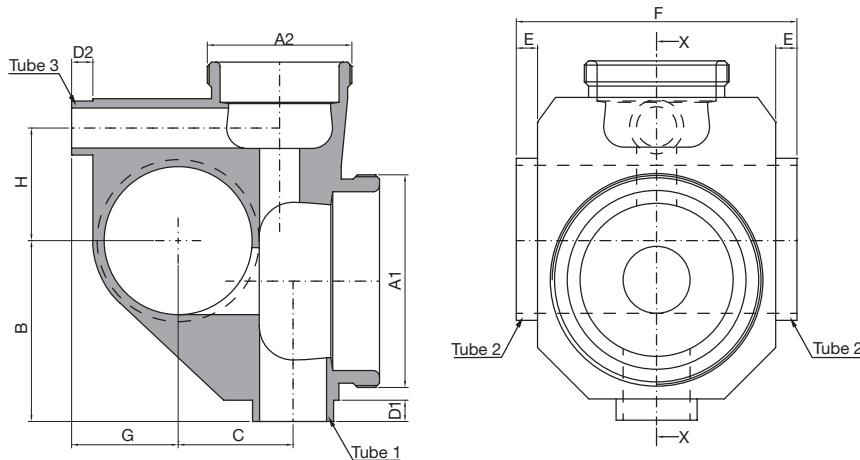
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YH## SOCL SOCL A1912

TANGENTIAL SHUT OFF 90 VALVE 19 ON PIPE + SIP VALVE 12



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YH## - SOCL - SOCL - Tangential Shut Off on Pipe Valves + SIP Valve for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Valve inlet is tangential allowing full drainability of the pipeline through the horizontal valve assembly. The satellite valve may be used for CIP-SIP process of the Valve on Pipe body and the their downstream pipeline. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A 1	A 2	B mm (inch)	C mm (inch)	D1 mm (inch)	D2 mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	H mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)	TUBE 3* mm (inch)
YH25-SOCL-SOCL-A1912	M50x1	M34x1	36,00 (1,42)	21,00 (0,83)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,00 (0,75)	28,00 (1,10)	19,05x1,65 (0,75x0,065)	25,40x1,65 (1,00x0,065)	12,70x1,65 (0,50x0,065)
YH38-SOCL-SOCL-A1912	M50x1	M34x1	42,50 (1,67)	27,50 (1,08)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	25,00 (0,98)	26,50 (1,04)	19,05x1,65 (0,75x0,065)	38,10x1,65 (1,50x0,065)	12,70x1,65 (0,50x0,065)
YH50-SOCL-SOCL-A1912	M50x1	M34x1	49,00 (1,93)	34,00 (1,34)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	31,50 (1,24)	30,50 (1,20)	19,05x1,65 (0,75x0,065)	50,80x1,65 (2,00x0,065)	12,70x1,65 (0,50x0,065)
YH63-SOCL-SOCL-A1912	M50x1	M34x1	60,00 (2,36)	40,50 (1,60)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	38,00 (1,50)	37,00 (1,46)	19,05x1,65 (0,75x0,065)	63,50x1,65 (2,50x0,065)	12,70x1,65 (0,50x0,065)
YH76-SOCL-SOCL-A1912	M50x1	M34x1	72,50 (2,85)	46,50 (1,83)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	44,00 (1,73)	44,00 (1,73)	19,05x1,65 (0,75x0,065)	76,20x1,65 (3,00x0,065)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19					
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NET VOLUME⁽¹⁾	ml	2,86	10,23				
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⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

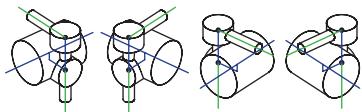
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

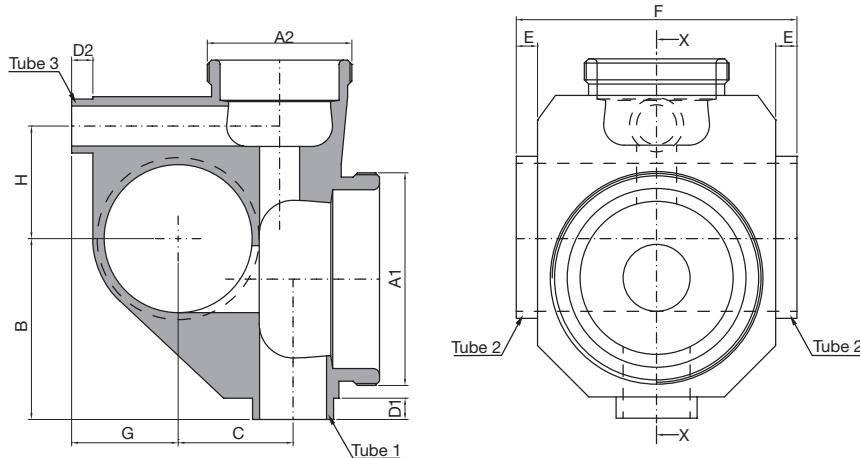
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YH## SOCL SOCL A2512

TANGENTIAL SHUT OFF 90 VALVE 25 ON PIPE + SIP VALVE 12



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YH## - SOCL - SOCL - Tangential Shut Off on Pipe Valves + SIP Valve for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Valve inlet is tangential allowing full drainability of the pipeline through the horizontal valve assembly. The satellite valve may be used for CIP-SIP process of the Valve on Pipe body and the their downstream pipeline. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A 1	A 2	B mm (inch)	C mm (inch)	D1 mm (inch)	D2 mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	H mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)	TUBE 3* mm (inch)
YH38-SOCL-SOCL-A2512	M70x1	M34x1	53,50 (2,10)	30,50 (1,20)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,00 (0,98)	30,50 (1,20)	25,40x1,65 (1,00x0,065)	38,10x1,65 (1,50x0,065)	12,70x1,65 (0,50x0,065)
YH50-SOCL-SOCL-A2512	M70x1	M34x1	59,50 (2,34)	37,00 (1,46)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	31,50 (1,24)	31,50 (1,24)	25,40x1,65 (1,00x0,065)	50,80x1,65 (2,00x0,065)	12,70x1,65 (0,50x0,065)
YH63-SOCL-SOCL-A2512	M70x1	M34x1	66,00 (2,60)	43,50 (1,71)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	37,50 (1,84)	38,00 (1,50)	25,40x1,65 (1,00x0,065)	63,50x1,65 (2,50x0,065)	12,70x1,65 (0,50x0,065)
YH76-SOCL-SOCL-A2512	M70x1	M34x1	72,50 (2,85)	50,00 (1,97)	5,00 (0,20)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	44,00 (1,73)	44,50 (1,75)	25,40x1,65 (1,00x0,065)	76,20x1,65 (3,00x0,065)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A25					
NET VOLUME⁽¹⁾	ml	2,86	32,14				

⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

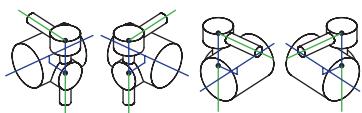
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

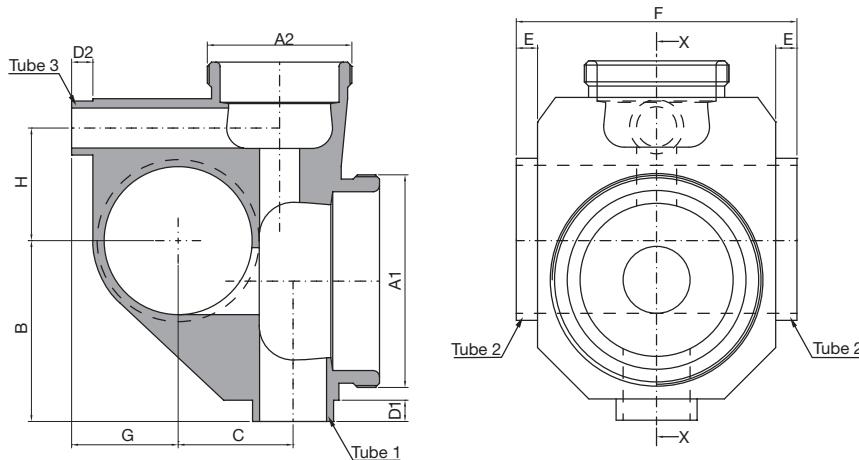
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YH## SOCL SOCL A3812

TANGENTIAL SHUT OFF 90 VALVE 38 ON PIPE + SIP VALVE 12



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YH## - SOCL - SOCL - Tangential Shut Off on Pipe Valves + SIP Valve for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Valve inlet is tangential allowing full drainability of the pipeline through the horizontal valve assembly. The satellite valve may be used for CIP-SIP process of the Valve on Pipe body and the their downstream pipeline. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A 1	A 2	B mm (inch)	C mm (inch)	D1 mm (inch)	D2 mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	H mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)	TUBE 3* mm (inch)
YH50-SOCL-SOCL-A3812	M80x1,5	M34x1	66,50 (2,62)	43,50 (1,71)	21,00 (0,83)	5,00 (0,20)	21,00 (0,83)	120,00 (4,72)	31,50 (1,24)	37,50 (1,48)	38,10x1,65 (1,50x0,065)	50,80x1,65 (2,00x0,065)	12,70x1,65 (0,50x0,065)
YH63-SOCL-SOCL-A3812	M80x1,5	M34x1	72,50 (2,85)	50,00 (1,97)	21,00 (0,83)	5,00 (0,20)	21,00 (0,83)	120,00 (4,72)	38,00 (1,50)	37,50 (1,48)	38,10x1,65 (1,50x0,065)	63,50x1,65 (2,50x0,065)	12,70x1,65 (0,50x0,065)
YH76-SOCL-SOCL-A3812	M80x1,5	M34x1	79,00 (3,11)	56,00 (2,21)	21,00 (0,83)	5,00 (0,20)	21,00 (0,83)	120,00 (4,72)	44,00 (1,73)	45,00 (1,77)	38,10x1,65 (1,50x0,065)	76,20x1,65 (3,00x0,065)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A38					
NET VOLUME⁽¹⁾	ml	2,86	86,89				

⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

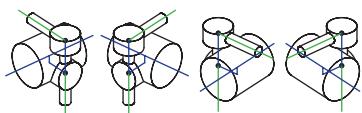
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

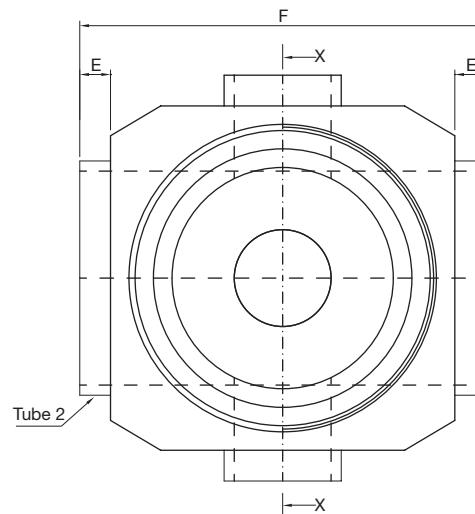
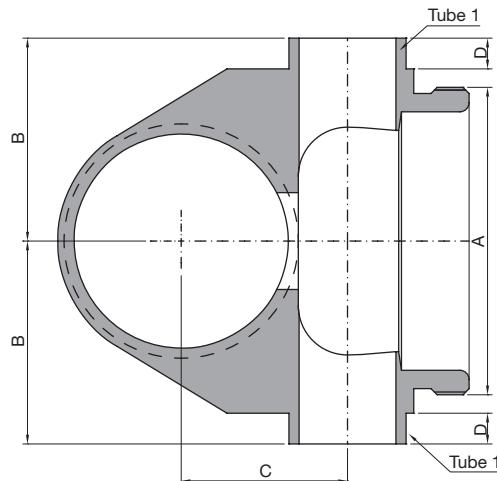
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YP## FTCI 0000 A1200

COAXIAL FLOW THROUGH 180 VALVE 12 ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT## - FTCI - Coaxial Flow Through on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Body shape with flush flow seal on pipe and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YP12-FTCI-0000-A1200	M34x1	26,00 (1,02)	11,00 (0,43)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	12,70x1,65 (0,50x0,065)
YP19-FTCI-0000-A1200	M34x1	26,00 (1,02)	14,00 (0,55)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	19,05x1,65 (0,75x0,065)
YP25-FTCI-0000-A1200	M34x1	26,00 (1,02)	17,50 (0,69)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	25,40x1,65 (1,00x0,065)
YP38-FTCI-0000-A1200	M34x1	26,00 (1,02)	23,50 (0,93)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	38,10x1,65 (1,50x0,065)
YP50-FTCI-0000-A1200	M34x1	31,00 (1,22)	30,00 (1,18)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	50,80x1,65 (2,00x0,065)
YP63-FTCI-0000-A1200	M34x1	38,00 (1,50)	36,50 (1,44)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	63,50x1,65 (2,50x0,065)
YP76-FTCI-0000-A1200	M34x1	44,00 (1,73)	43,00 (1,69)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	12,70x1,65 (0,50x0,065)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12						
NET VOLUME ⁽¹⁾	ml	2,86					

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

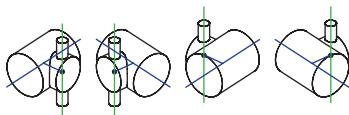
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

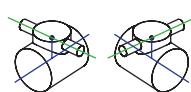
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

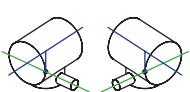
Horizontal Assembly



Vertical Assembly

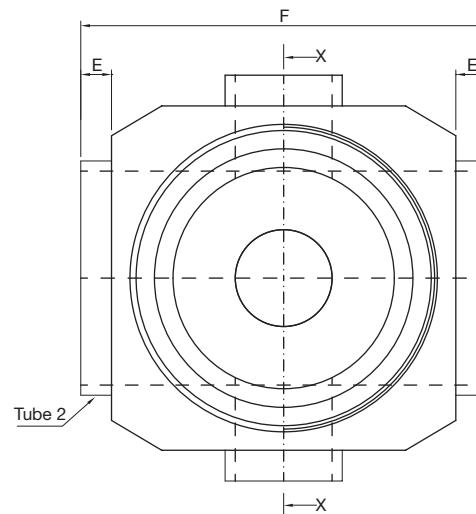
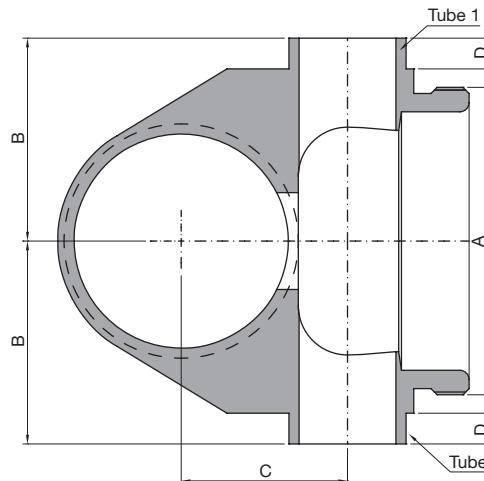


Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YP## FTCI 0000 A1900

COAXIAL FLOW THROUGH 180 VALVE 19 ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT## - FTCI - Coaxial Flow Through on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Body shape with flush flow seal on pipe and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YP19-FTCI-0000-A1900	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,50x1,65 (0,75x0,065)	19,50x1,65 (0,75x0,065)
YP25-FTCI-0000-A1900	M50x1	33,00 (1,30)	21,00 (0,83)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,50x1,65 (0,75x0,065)	25,40x1,65 (1,00x0,065)
YP38-FTCI-0000-A1900	M50x1	33,00 (1,30)	27,00 (1,06)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,50x1,65 (0,75x0,065)	38,10x1,65 (1,50x0,065)
YP50-FTCI-0000-A1900	M50x1	33,00 (1,30)	33,50 (1,32)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,50x1,65 (0,75x0,065)	50,80x1,65 (2,00x0,065)
YP63-FTCI-0000-A1900	M50x1	38,00 (1,30)	40,00 (1,58)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,50x1,65 (0,75x0,065)	63,50x1,65 (2,50x0,065)
YP76-FTCI-0000-A1900	M50x1	44,00 (1,73)	46,00 (1,81)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	19,50x1,65 (0,75x0,065)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A19						
NET VOLUME ⁽¹⁾	ml	10,23					

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

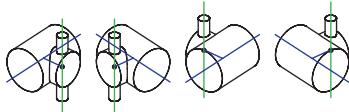
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

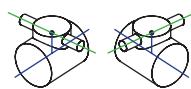
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

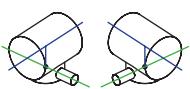
Horizontal Assembly



Vertical Assembly

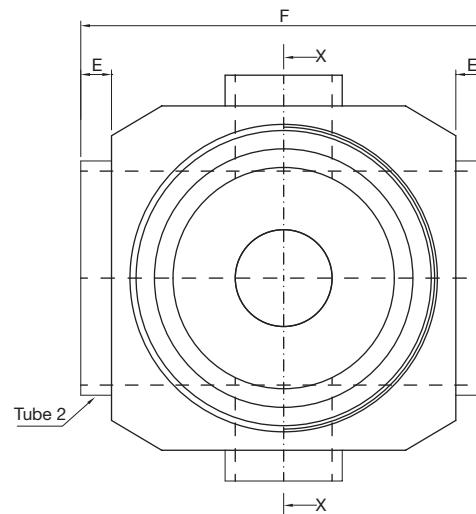
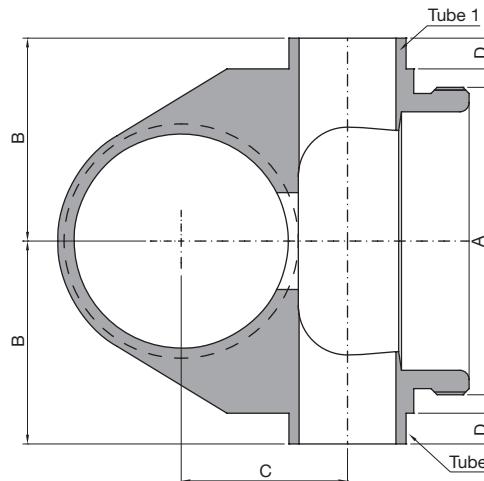


Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YP## FTCI 0000 A2500

COAXIAL FLOW THROUGH 180 VALVE 25 ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT## - FTCI - Coaxial Flow Through on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Body shape with flush flow seal on pipe and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YP25-FTCI-0000-A2500	M70x1	47,00 (1,85)	24,00 (0,95)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,40x1,65 (1,00x0,065)	25,40x1,65 (1,00x0,065)
YP38-FTCI-0000-A2500	M70x1	47,00 (1,85)	30,00 (1,18)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,40x1,65 (1,00x0,065)	38,10x1,65 (1,50x0,065)
YP50-FTCI-0000-A2500	M70x1	47,00 (1,85)	36,50 (1,44)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,40x1,65 (1,00x0,065)	50,80x1,65 (2,00x0,065)
YP63-FTCI-0000-A2500	M70x1	47,00 (1,85)	43,00 (1,69)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,40x1,65 (1,00x0,065)	63,50x1,65 (2,50x0,065)
YP76-FTCI-0000-A2500	M70x1	47,00 (1,85)	49,00 (1,93)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	25,40x1,65 (1,00x0,065)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A25						
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NET VOLUME ⁽¹⁾	ml	32,14					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

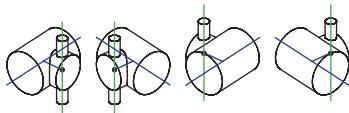
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

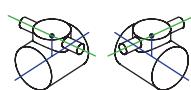
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

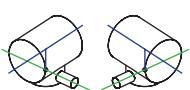
Horizontal Assembly



Vertical Assembly

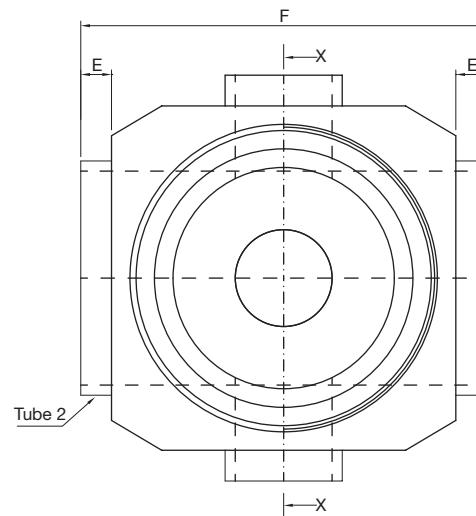
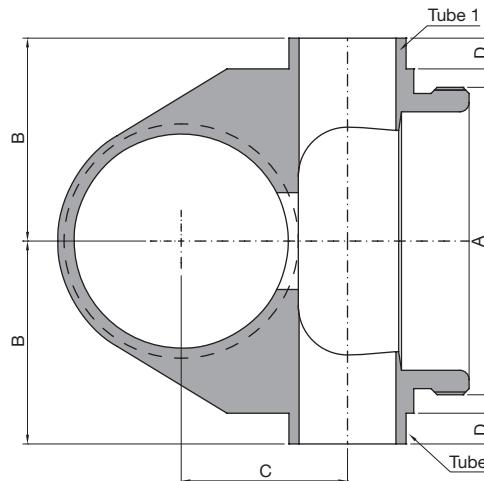


Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YP## FTCI 0000 A3800

COAXIAL FLOW THROUGH 180 VALVE 38 ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT## - FTCI - Coaxial Flow Through on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Body shape with flush flow seal on pipe and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YP38-FTCI-0000-A3800	M80x1,5	60,00 (2,36)	36,50 (1,44)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	38,10x1,65 (1,50x0,065)	38,10x1,65 (1,50x0,065)
YP50-FTCI-0000-A3800	M80x1,5	60,00 (2,36)	43,00 (1,69)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	38,10x1,65 (1,50x0,065)	50,80x1,65 (2,00x0,065)
YP63-FTCI-0000-A3800	M80x1,5	60,00 (2,36)	49,00 (1,93)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	38,10x1,65 (1,50x0,065)	63,50x1,65 (2,50x0,065)
YP76-FTCI-0000-A3800	M80x1,5	60,00 (2,36)	55,50 (2,19)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	38,10x1,65 (1,50x0,065)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A38						
NET VOLUME ⁽¹⁾	ml	86,89					

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

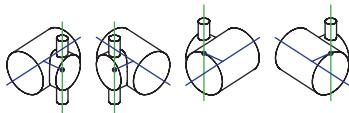
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

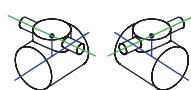
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

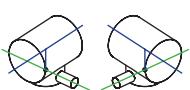
Horizontal Assembly



Vertical Assembly

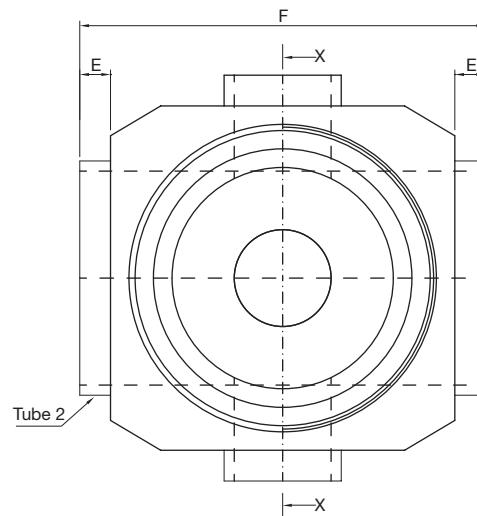
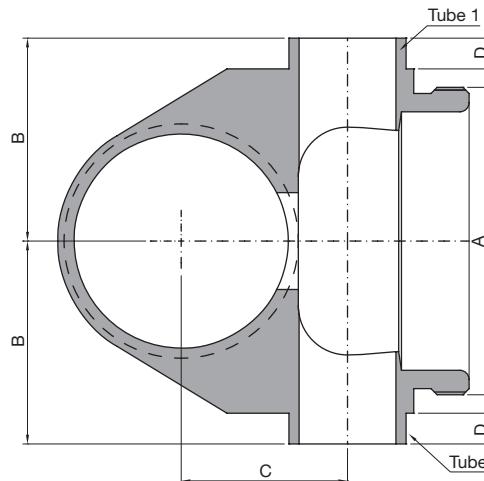


Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YP## FTCI 0000 A5000

COAXIAL FLOW THROUGH 180 VALVE 50 ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YT## - FTCI - Coaxial Flow Through on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Body shape with flush flow seal on pipe and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YP50-FTCI-0000-A5000	M103x1,5	75,00 (2,95)	49,50 (1,95)	24,00 (0,95)	24,00 (0,95)	150,00 (5,91)	38,10x1,65 (1,50x0,065)	50,80x1,65 (2,00x0,065)
YP63-FTCI-0000-A5000	M103x1,5	75,00 (2,95)	55,50 (2,19)	24,00 (0,95)	24,00 (0,95)	150,00 (5,91)	38,10x1,65 (1,50x0,065)	63,50x1,65 (2,50x0,065)
YP76-FTCI-0000-A5000	M103x1,5	75,00 (2,95)	62,00 (2,44)	24,00 (0,95)	24,00 (0,95)	150,00 (5,91)	38,10x1,65 (1,50x0,065)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A50						
NET VOLUME ⁽¹⁾	ml	208,58					

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

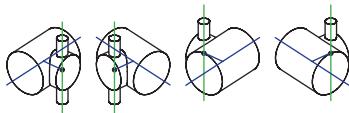
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

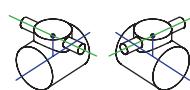
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

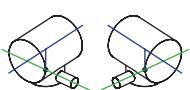
Horizontal Assembly



Vertical Assembly

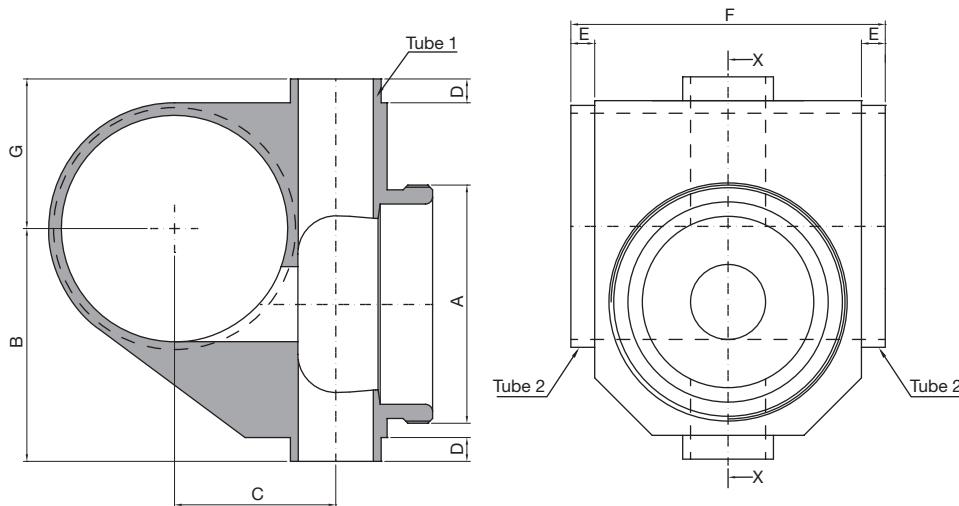


Upside-Down Assembly



TECHNICAL INFORMATION _ CAT. N. YL## FTCI 0000 A1200

FLOW THROUGH 180 VALVE 12 TANG. ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YL## - FTCI - Tangential Flow Through on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Valve inlet is tangential on pipe allowing full drainability of the pipeline on the horizontal valve assembly. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YL19-FTCI-0000-A1200	M34x1	29,00 (1,14)	14,50 (0,57)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	23,00 (0,91)	12,70x1,65 (0,50x0,065)	19,05x1,65 (0,75x0,065)
YL25-FTCI-0000-A1200	M34x1	32,50 (1,28)	18,00 (0,71)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	19,50 (0,77)	12,70x1,65 (0,50x0,065)	25,40x1,65 (1,00x0,065)
YL38-FTCI-0000-A1200	M34x1	38,00 (1,50)	24,00 (0,95)	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	25,00 (0,98)	12,70x1,65 (0,50x0,065)	38,10x1,65 (1,50x0,065)
YL50-FTCI-0000-A1200	M34x1	45,00 (1,77)	31,00	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	31,00 (1,22)	12,70x1,65 (0,50x0,065)	50,80x1,65 (2,00x0,065)
YL63-FTCI-0000-A1200	M34x1	51,50 (2,03)	37,50	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	38,00 (1,50)	12,70x1,65 (0,50x0,065)	63,50x1,65 (2,50x0,065)
YL76-FTCI-0000-A1200	M34x1	58,00 (2,28)	44,00	5,00 (0,20)	8,00 (0,32)	52,00 (2,05)	44,00 (1,73)	12,70x1,65 (0,50x0,065)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12						
NET VOLUME ⁽¹⁾	ml	2,86					

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

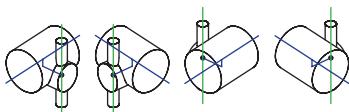
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

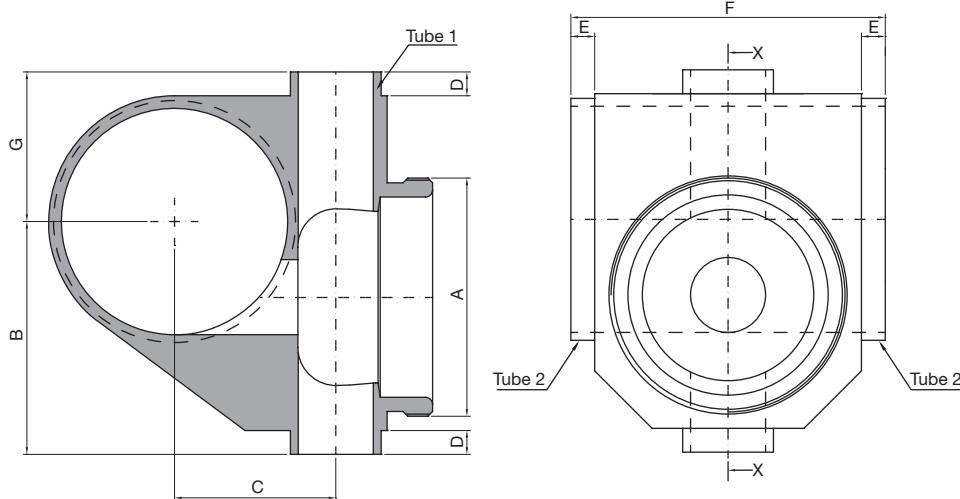
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YL## FTCI 0000 A1900

FLOW THROUGH 180 VALVE 19 TANG. ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YL## - FTCI - Tangential Flow Through on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Valve inlet is tangential on pipe allowing full drainability of the pipeline on the horizontal valve assembly. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YL25-FTCI-0000-A1900	M50x1	36,00 (1,42)	21,00 (0,83)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	30,00 (1,18)	19,05x1,65 (0,75x0,065)	25,40x1,65 (1,00x0,065)
YL38-FTCI-0000-A1900	M50x1	42,50 (1,67)	27,50 (1,09)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	25,00 (0,98)	19,05x1,65 (0,75x0,065)	38,10x1,65 (1,50x0,065)
YL50-FTCI-0000-A1900	M50x1	49,00 (1,93)	34,00 (1,34)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	31,50 (1,24)	19,05x1,65 (0,75x0,065)	50,80x1,65 (2,00x0,065)
YL63-FTCI-0000-A1900	M50x1	60,00 (2,36)	40,00 (1,58)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	38,00 (1,50)	19,05x1,65 (0,75x0,065)	63,50x1,65 (2,50x0,065)
YL76-FTCI-0000-A1900	M50x1	72,50 (2,85)	47,00 (1,85)	5,00 (0,20)	8,00 (0,32)	66,00 (2,60)	44,00 (1,73)	19,05x1,65 (0,75x0,065)	76,20x1,65 (3,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A19						
NET VOLUME ⁽¹⁾	ml	10,23					

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

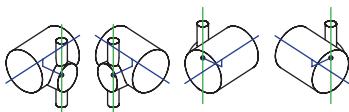
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

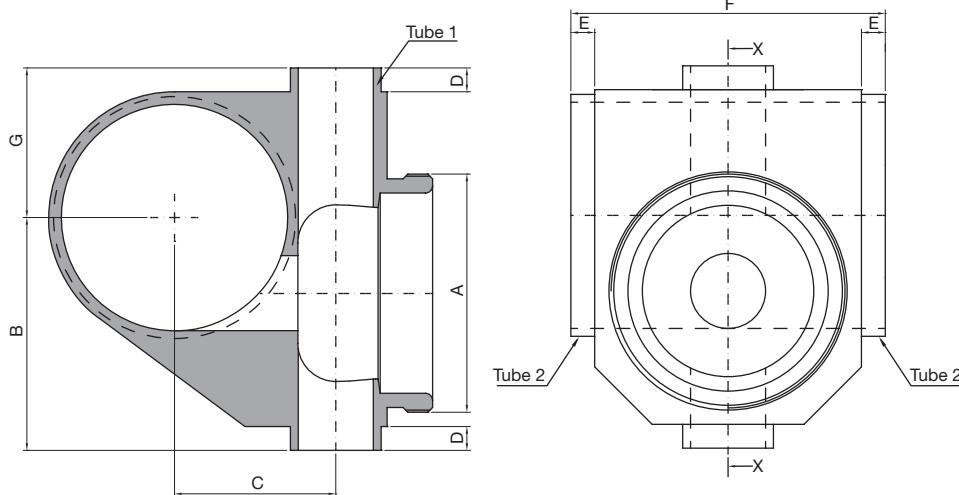
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YL## FTCI 0000 A2500

FLOW THROUGH 180 VALVE 25 TANG. ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YL## - FTCI - Tangential Flow Through on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Valve inlet is tangential on pipe allowing full drainability of the pipeline on the horizontal valve assembly. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YL38-FTCI-0000-A2500	M70x1	53,50 (2,11)	30,50 (1,20)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	40,50 (1,60)	25,40x1,65 (1,00x0,065)	38,10x1,65 (1,50x0,065)
YL50-FTCI-0000-A2500	M70x1	59,50 (2,34)	37,00 (1,46)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	31,50 (1,24)	25,40x1,65 (1,00x0,065)	50,80x1,65 (2,00x0,065)
YL63-FTCI-0000-A2500	M70x1	66,00 (2,60)	43,50 (1,71)	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	37,50 (1,48)	25,40x1,65 (1,00x0,065)	63,50x1,65 (2,50x0,065)
YL76-FTCI-0000-A2500	M70x1	72,50 (2,85)	50,00	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	44,00 (1,73)	25,40x1,65 (1,00x0,065)	76,20x1,65 (3,00x0,065)
YL00-FTCI-0000-A2500	M70x1	94,50 (3,72)	62,50	5,00 (0,20)	8,00 (0,32)	94,00 (3,70)	57,00 (2,24)	25,40x1,65 (1,00x0,065)	101,60x2,11 (4,00x0,083)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A25						
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NET VOLUME ⁽¹⁾	ml	32,14					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

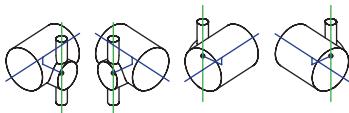
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

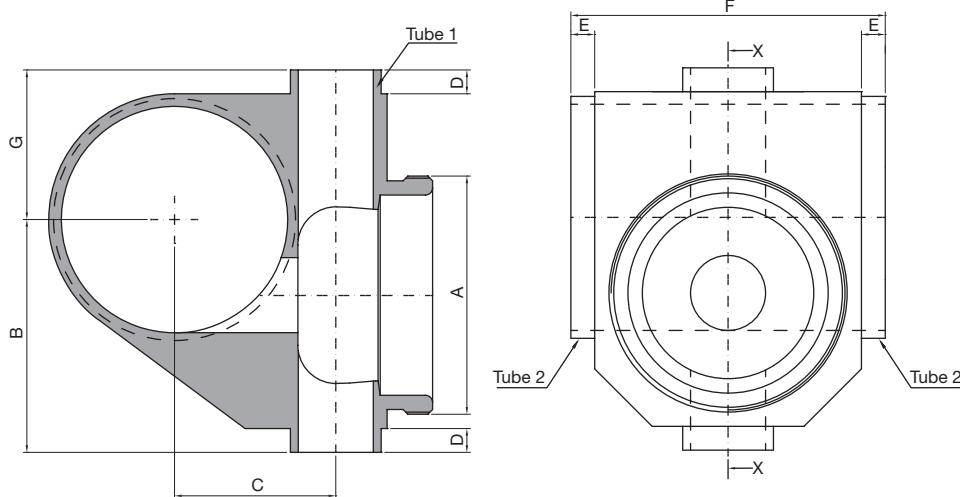
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YL## FTCI 0000 A3800

FLOW THROUGH 180 VALVE 38 TANG. ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YL## - FTCI - Tangential Flow Through on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Valve inlet is tangential on pipe allowing full drainability of the pipeline on the horizontal valve assembly. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YL50-FTCI-0000-A3800	M80x1,5	66,50 (2,62)	43,50 (1,71)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	53,50 (2,11)	38,10x1,65 (1,50x0,065)	50,80x1,65 (2,00x0,065)
YL63-FTCI-0000-A3800	M80x1,5	72,50 (2,85)	50,00 (1,97)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	54,00 (2,13)	38,10x1,65 (1,50x0,065)	63,50x1,65 (2,50x0,065)
YL76-FTCI-0000-A3800	M80x1,5	79,00 (3,11)	56,00 (2,21)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	60,00 (2,36)	38,10x1,65 (1,50x0,065)	76,20x1,65 (3,00x0,065)
YL00-FTCI-0000-A3800	M80x1,5	91,50 (3,60)	69,00 (2,72)	21,00 (0,83)	21,00 (0,83)	120,00 (4,72)	73,00 (2,87)	38,10x1,65 (1,50x0,065)	101,60x2,11 (4,00x0,083)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A38						
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NET VOLUME ⁽¹⁾	ml	86,89					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

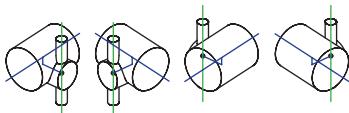
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

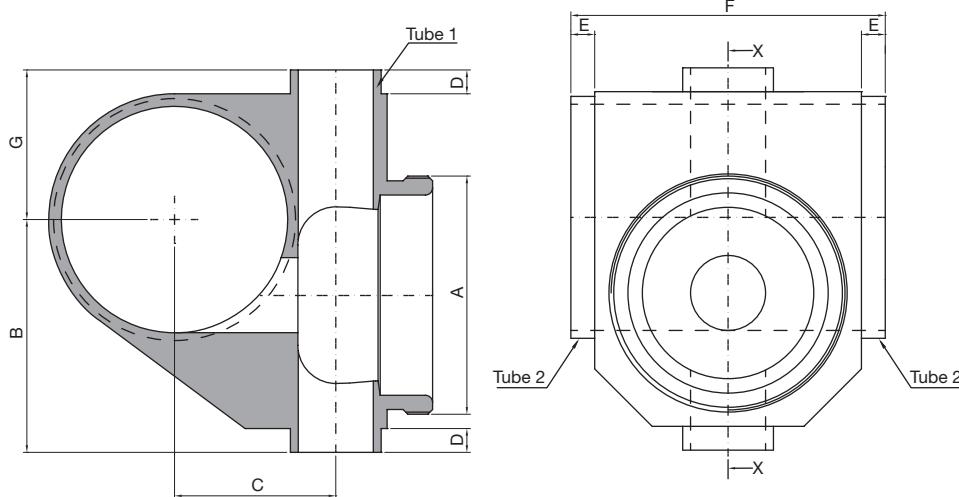
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YL## FTCI 0000 A5000

FLOW THROUGH 180 VALVE 50 TANG. ON PIPE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YL## - FTCI - Tangential Flow Through on Pipe Valves for SAFE areas designed to feed or take off fluids or gases from the process piping with Zero dead leg. Valve inlet is tangential on pipe allowing full drainability of the pipeline on the horizontal valve assembly. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)	G mm (inch)	TUBE 1* mm (inch)	TUBE 2* mm (inch)
YL63-FTCI-0000-A5000	M103x1,5	81,50 (3,21)	56,00 (2,20)	24,00 (0,95)	24,00 (0,95)	150,00 (5,91)	68,50 (2,70)	50,80x1,65 (2,00x0,065)	63,50x1,65 (2,50x0,065)
YL76-FTCI-0000-A5000	M103x1,5	87,50 (3,45)	62,50 (2,46)	24,00 (0,95)	24,00 (0,95)	150,00 (5,91)	63,00 (2,48)	50,80x1,65 (2,00x0,065)	76,20x1,65 (3,00x0,065)
YL00-FTCI-0000-A5000	M103x1,5	100,00 (3,94)	75,00 (2,95)	24,00 (0,95)	24,00 (0,95)	150,00 (5,91)	76,00 (2,99)	50,80x1,65 (2,00x0,065)	101,60x2,11 (4,00x0,083)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A50						
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NET VOLUME ⁽¹⁾	ml	208,58					
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⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

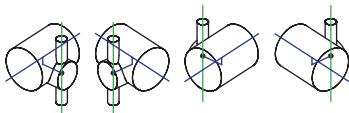
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

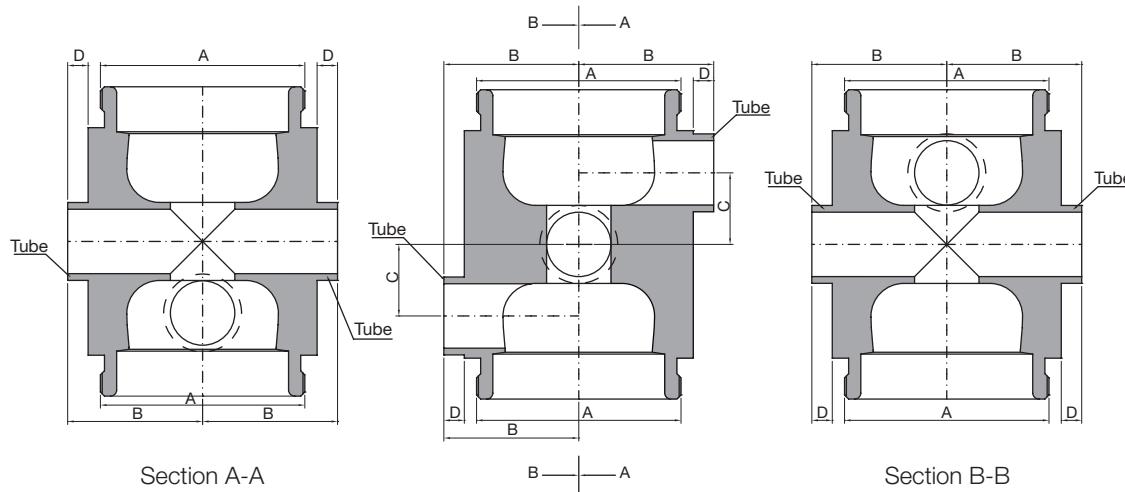
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YPVO SOCL SOCL A####

DOUBLE SHUT OFF VALVE ON LINE OPPOSITE OUTLET



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Double Shut Off Online Valves for SAFE areas designed to feed and take off fluids or gases from the process piping with Zero dead leg. Body shape with flush flow seal and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	TUBE* mm (inch)
YPVO-SOCL-SOCL-A1212	M34x1	26,00 (1,02)	12,50 (0,49)	5,00 (0,20)	12,70x1,65 (0,50x0,065)
YPVO-SOCL-SOCL-A1919	M50x1	33,00 (1,30)	17,50 (0,69)	5,00 (0,20)	19,05x1,65 (0,75x0,065)
YPVO-SOCL-SOCL-A2525	M70x1	47,00 (1,85)	24,50 (0,97)	5,00 (0,20)	25,40x1,65 (1,00x0,065)
YPVO-SOCL-SOCL-A3838	M80x1,5	60,00 (2,36)	39,00 (1,54)	21,00 (0,83)	38,10x1,65 (1,50x0,065)
YPVO-SOCL-SOCL-A5050	M103x1,5	75,00 (2,95)	51,00 (2,01)	24,00 (0,95)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50		
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NET VOLUME⁽¹⁾	ml	2,86	10,23	34,14	86,89	208,58	
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⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

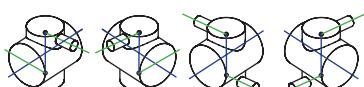
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Vertical Assembly



PROCESS ASSEMBLY

G 040

Point of Use A38
Valve Body SO19 + SIP 12 Valve
& Sampling SO12 + SIP 12 Valve

G 060

Point of Use A50
Valve Body SO19 + SIP 12 Valve
& Sampling SO12 + SIP 12 Valve

G 165

Extended Point of Use on 50
Valve Body SO38 extended +
FT25 + SO25

G 170

Extended Point of Use on 63
Valve Body SO38 extended +
FT25 + SO25

G 210

Bottom Point Assembly
Type B

G 260

Bottom Point Assembly
Type C

G 300

2 Functions Deep Tube
Sprayball A19

G 305

3 Functions Deep Tube
Sprayball Sparger A19

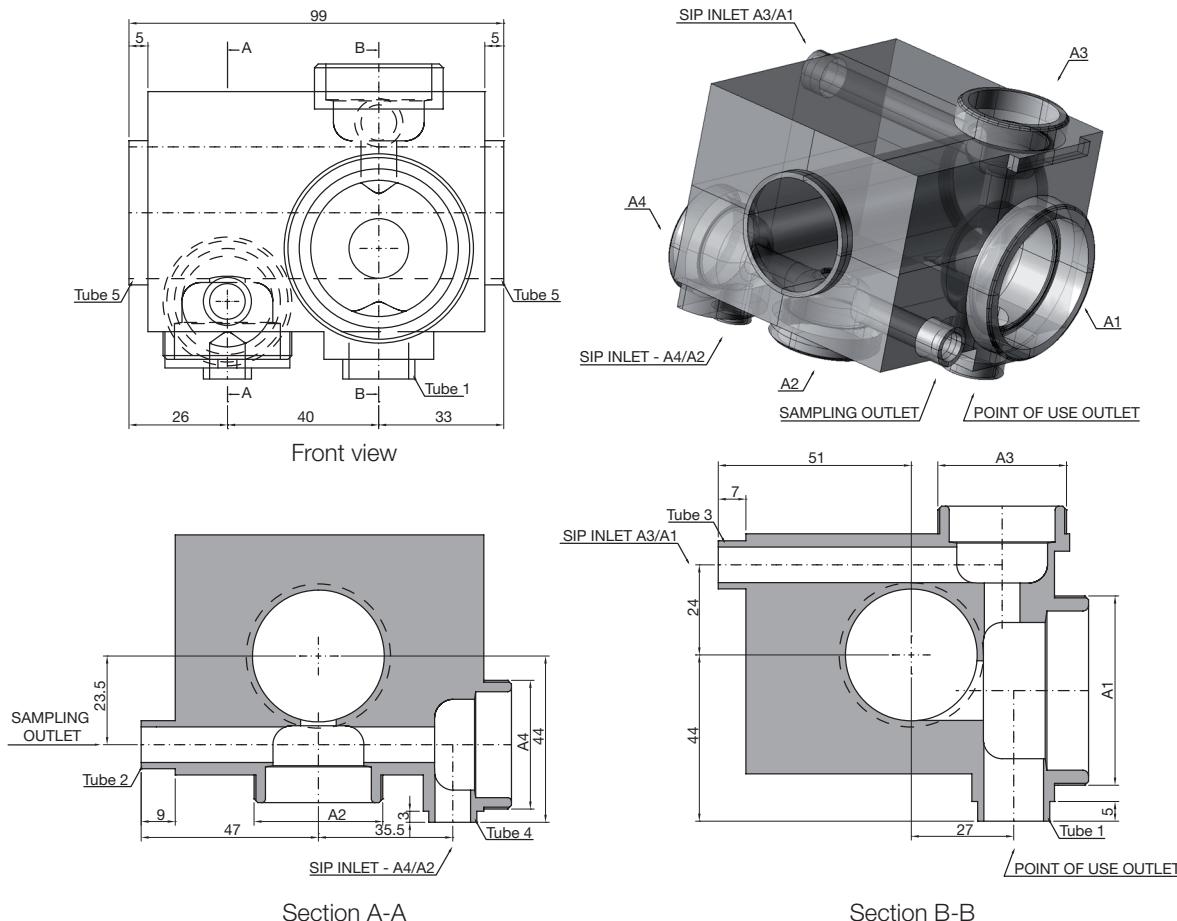
G 400

Flow Control Valve

A
B
C
D
E
F
G
H
I
J

TECHNICAL INFORMATION _ CAT. N. YP38 SOCL SOCL A1912

POINT OF USE A38 VALVE BODY SO19 + SIP 12 VALVE & SAMPLING SO12 + SIP 12 VALVE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Point of Use Assembly for SAFE areas engineered to give the best solution for Aseptic Sampling and Aseptic Point of Use in one tool ready to use, with Zero Dead legs, without Unused Portions and with flush flow seal. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. They fulfill all stringent requirements for CIP-SIP activities. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A1	A2	A3	A4	TUBE 1* mm (inch)	TUBE 2* mm (inch)	TUBE 3* mm (inch)	TUBE 4* mm (inch)	TUBE 5* mm (inch)
YP38-SOCL-SOCL-A1912	A19-M50x1	A12-M34x1	A12-M34x1	A12-M34x1	19,05x1,65 (0,75x0,065)	12,70x1,65 (0,50x0,065)	12,70x1,65 (0,50x0,065)	12,70x1,65 (0,50x0,065)	38,10x1,65 (1,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD VALVE POSITION	A1	A2	A3	A4		
CAD VALVE SIZE	A19	A12	A12	A12		
NET VOLUME⁽¹⁾	ml	10,23	2,86	2,86	2,86	

⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

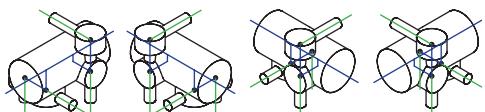
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

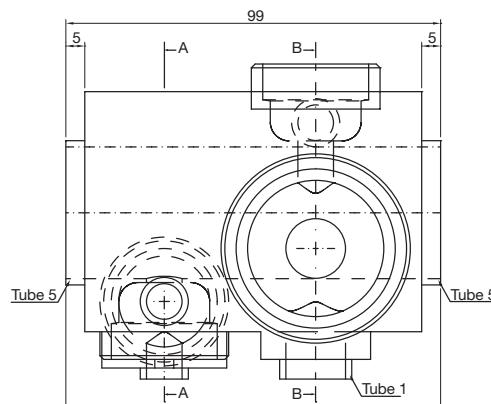
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly

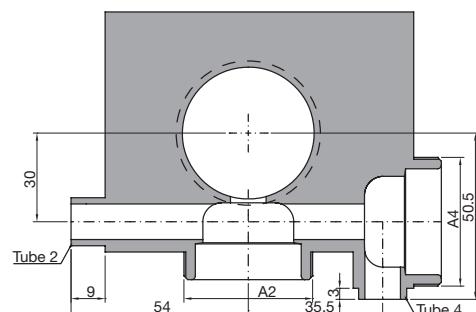
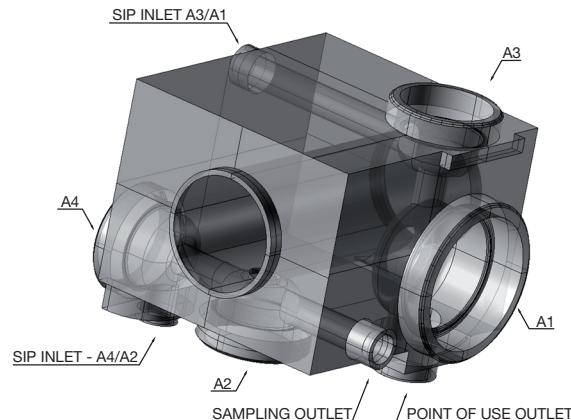


TECHNICAL INFORMATION _ CAT. N. YP50 SOCL SOCL A1912

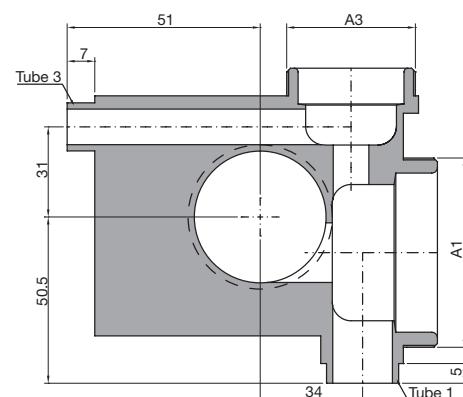
POINT OF USE A50 VALVE BODY SO19 + SIP 12 VALVE & SAMPLING SO12 + SIP 12 VALVE



Front view



Section A-A



Section B-B

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Point of Use Assembly for SAFE areas engineered to give the best solution for Aseptic Sampling and Aseptic Point of Use in one tool ready to use, with Zero Dead legs, without Unused Portions and with flush flow seal. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. They fulfill all stringent requirements for CIP-SIP activities. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A1	A2	A3	A4	TUBE 1* mm (inch)	TUBE 2* mm (inch)	TUBE 3* mm (inch)	TUBE 4* mm (inch)	TUBE 5* mm (inch)
YP50-SOCL-SOCL-A1912	A19-M50x1	A12-M34x1	A12-M34x1	A12-M34x1	19,05x1,65 (0,75x0,065)	12,70x1,65 (0,50x0,065)	12,70x1,65 (0,50x0,065)	12,70x1,65 (0,50x0,065)	50,80x1,65 (2,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD VALVE POSITION	A1	A2	A3	A4		
CAD VALVE SIZE	A19	A12	A12	A12		
NET VOLUME⁽¹⁾	ml	10,23	2,86	2,86	2,86	

⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

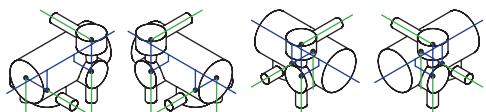
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

Options: For non-standard CAD Valve body Options, please contact us for further information.

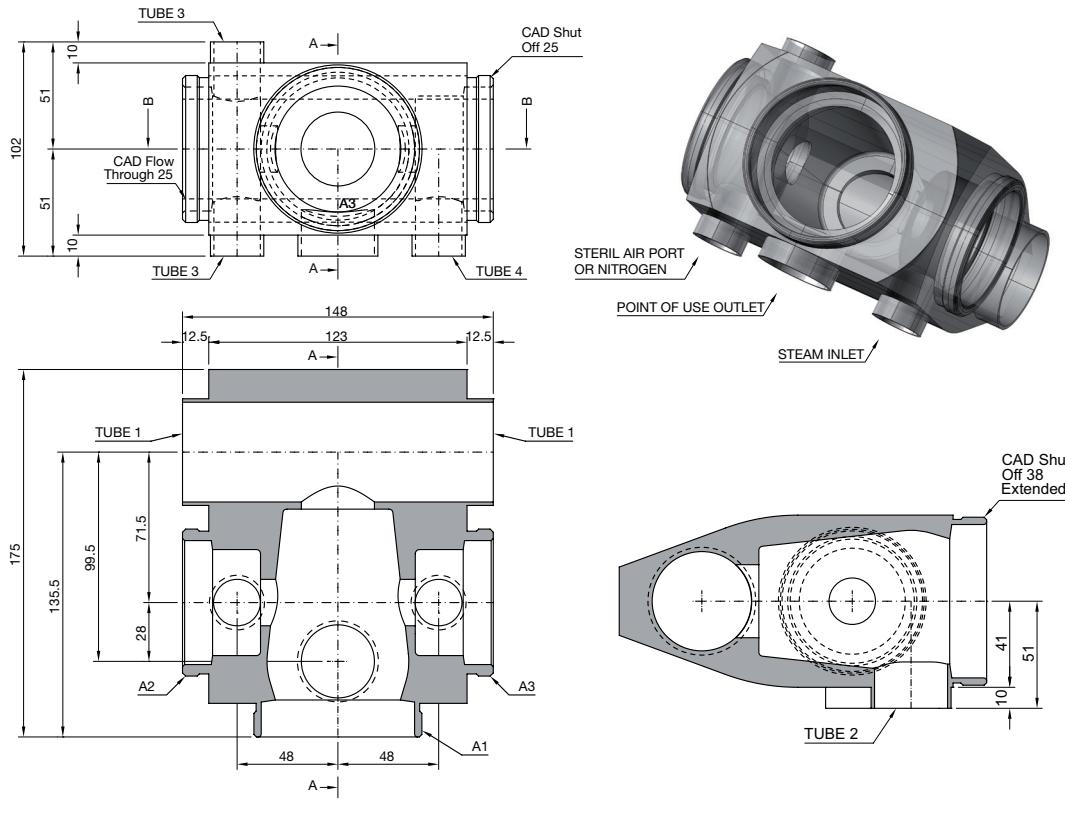
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YP50 SE38 FT25 ASO25

EXTENDED POINT OF USE ON 50 VALVE BODY SO38 EXTENDED + FT25 + SO25



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Extended Point of Use Assembly for SAFE areas is engineered to fulfil the demand to assemble in a block valve, WFI take off, Pure Steam, Nitrogen, and sampling valves, ready for installation, Point of Use in one tool ready to use, with Zero Dead legs, without Unused Portions and with flush flow seal. Body shape and their internal design offer a very reliable component for Aseptic processing Application. They fulfill all stringent requirements for CIP-SIP activities. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A1	A2	A3	TUBE 1* mm (inch)	TUBE 2* mm (inch)	TUBE 3* mm (inch)	TUBE 4* mm (inch)
YP50-SE38-FT25- ASO25	A38 Extended M80x1,5	A25 M70x1	A25 M70x1	50,80x1,65 (2,00x0,065)	38,10x1,65 (1,50x0,065)	25,40x1,65 (1,00x0,065)	25,40x1,65 (1,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD VALVE POSITION	A1	A2	A3				
CAD VALVE SIZE	A38 Extended	A25	A25				
NET VOLUME⁽¹⁾	ml	216,64	32,14	32,14			

⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

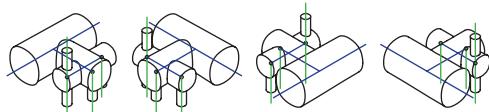
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Options: For non-standard CAD Valve body Options, please contact us for further information.

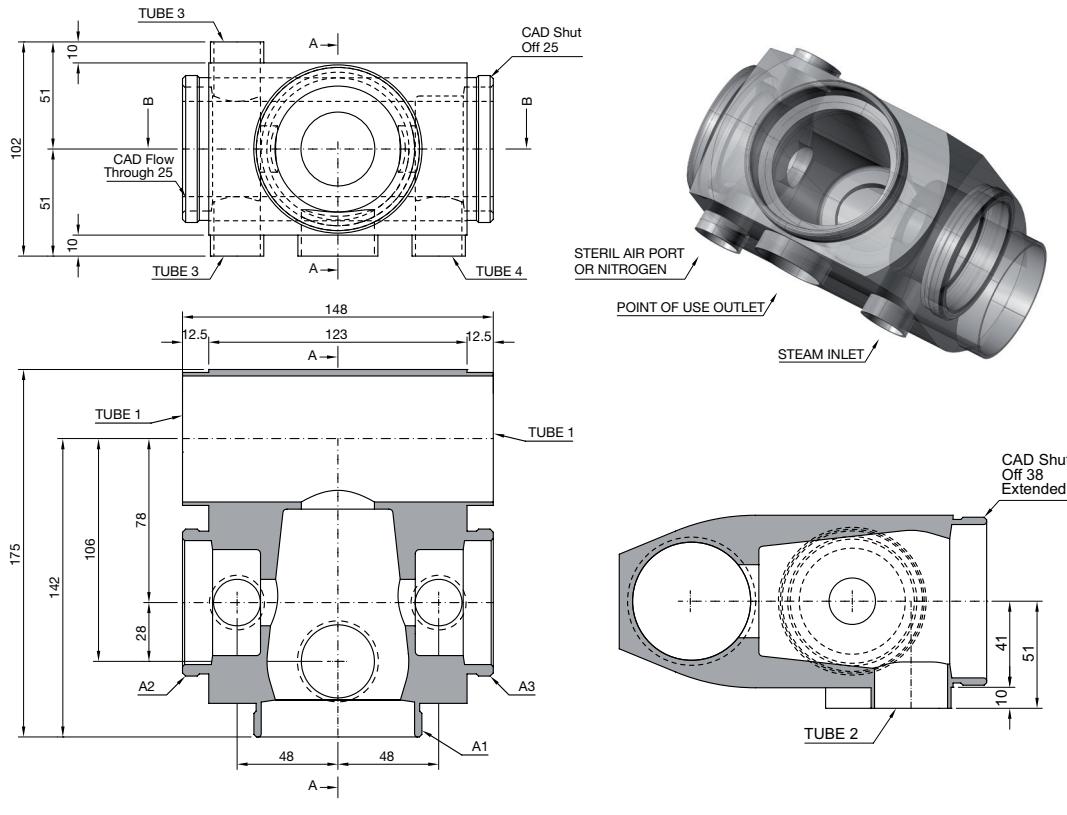
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YP63 SE38 FT25 ASO25

EXTENDED POINT OF USE ON 63 VALVE BODY SO38 EXTENDED + FT25 + SO25



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Extended Point of Use Assembly for SAFE areas is engineered to fulfil the demand to assemble in a block valve, WFI take off, Pure Steam, Nitrogen, and sampling valves, ready for installation, Point of Use in one tool ready to use, with Zero Dead legs, without Unused Portions and with flush flow seal. Body shape and their internal design offer a very reliable component for Aseptic processing Application. They fulfill all stringent requirements for CIP-SIP activities. Standard version are short butt weld ends but, on demand, may be delivered for orbital welding or with Tri-Clamp connections.

CODE	A1	A2	A3	TUBE 1* mm (inch)	TUBE 2* mm (inch)	TUBE 3* mm (inch)	TUBE 4* mm (inch)
YP63-SE38-FT25- ASO25	A38 Extended M80x1,5	A25 M70x1	A25 M70x1	63,50x1,65 (2,50x0,065)	38,10x1,65 (1,50x0,065)	25,40x1,65 (1,00x0,065)	25,40x1,65 (1,00x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:

CAD VALVE POSITION	A1	A2	A3				
CAD VALVE SIZE	A38 Extended	A25	A25				
NET VOLUME⁽¹⁾	ml	216,64	32,14	32,14			

⁽¹⁾ Internal valve cavity only, for each cavity, with diaphragm on site

MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

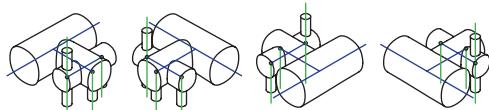
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Options: For non-standard CAD Valve body Options, please contact us for further information.

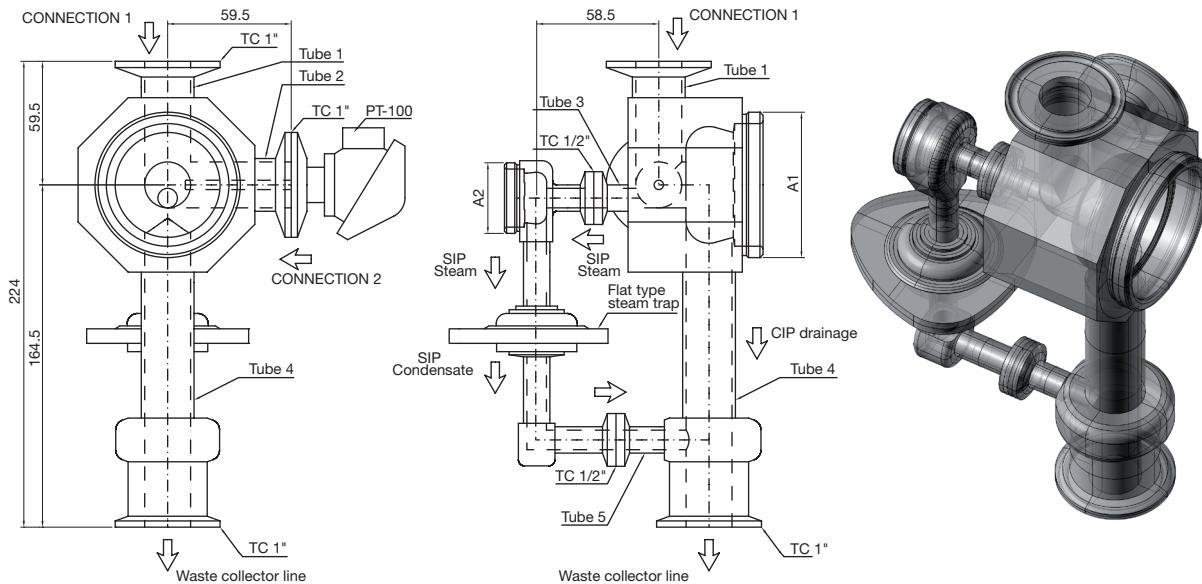
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



TECHNICAL INFORMATION _ CAT. N. YB25 SOCL SOCL A2512

BOTTOM POINT ASSEMBLY TYPE B

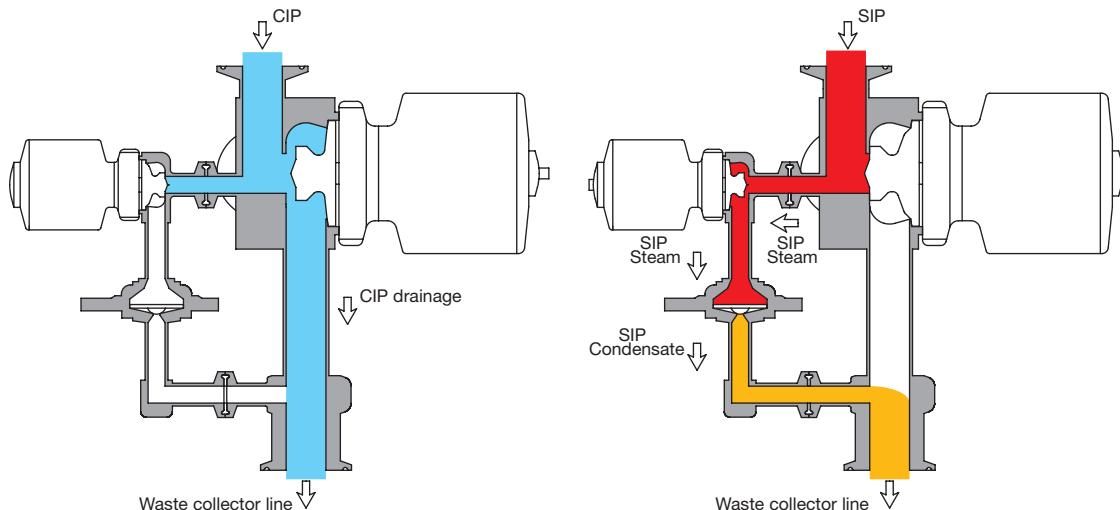


Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Bottom Point Assembly for SAFE areas engineered to give the best solution for the typical point of CIP and SIP drainages management in one tool ready to use. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Developed for flat type condensate trap. Standard version made with Tri-Clamp connections. PT-100 on request.

NOMINAL DIMENSION	A1	A2	TUBE 1* mm (inch)	TUBE 2* mm (inch)	TUBE 3* mm (inch)	TUBE 4* mm (inch)	TUBE 5* mm (inch)
YB25-SOCL-SOCL-A2512	A25-M70x1	A12-M34x1	25,40x1,65 (1,00x0,065)	25,40x1,65 (1,00x0,065)	12,70x1,65 (0,50x0,065)	25,40x1,65 (1,00x0,065)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:


CAD VALVE POSITION	A1	A2					
CAD VALVE SIZE	A25	A12					

Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

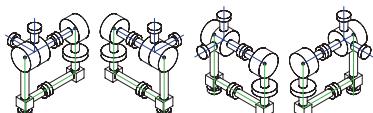
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

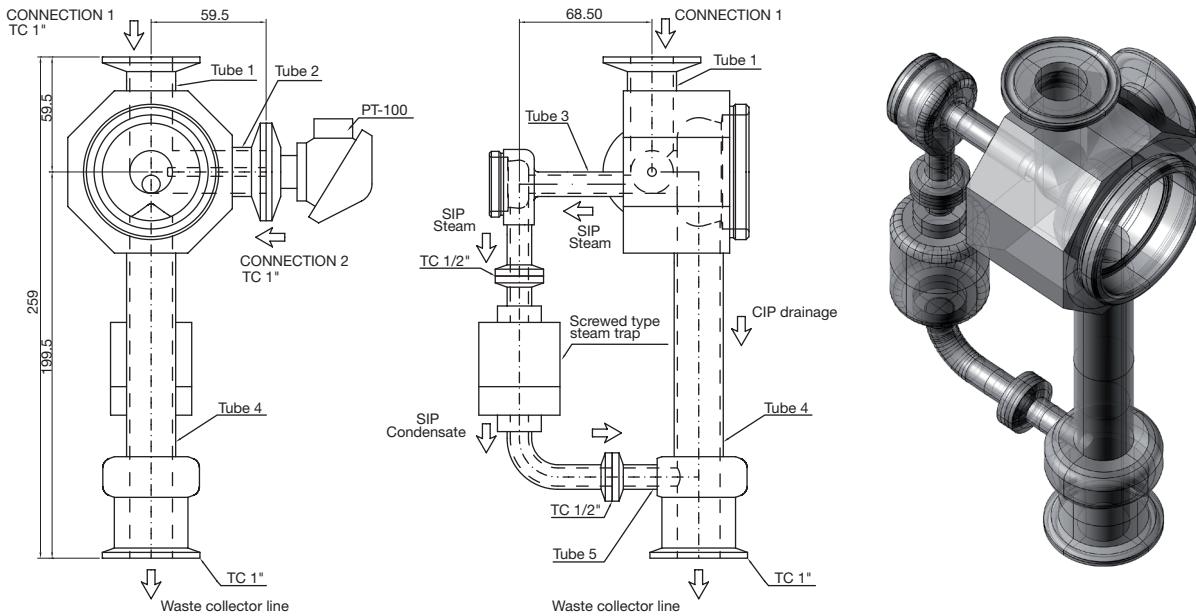
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Vertical Assembly


TECHNICAL INFORMATION _ CAT. N. YC25 SOCL SOCL A2512

BOTTOM POINT ASSEMBLY TYPE C

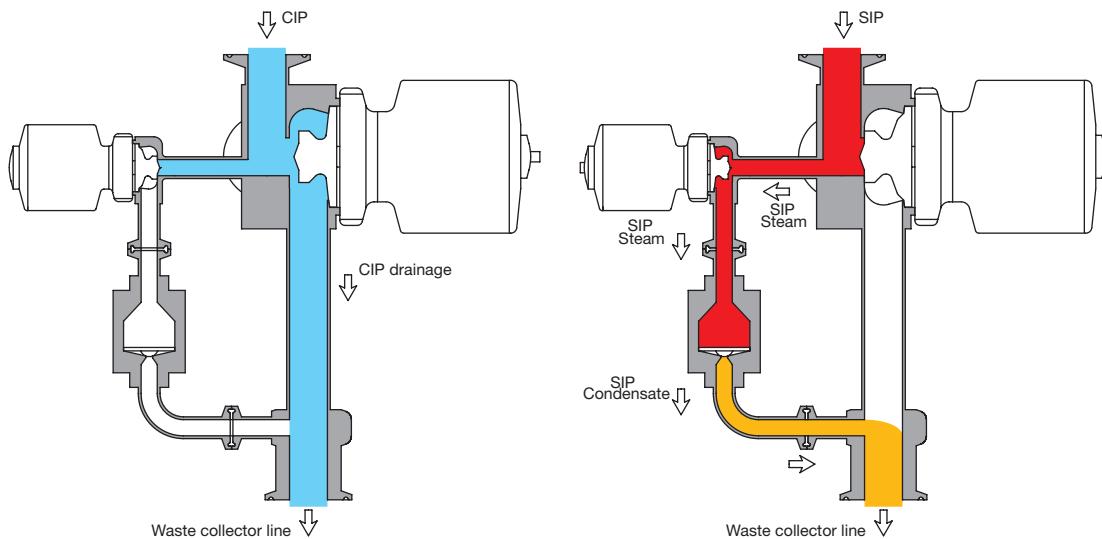


Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Bottom Point Assembly for SAFE areas engineered to give the best solution for the typical point of CIP and SIP drainages management in one tool ready to use. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Developed for screwed type condensate trap. Standard version made with Tri-Clamp connections. PT-100 on request.

NOMINAL DIMENSION	A1	A2	TUBE 1* mm (inch)	TUBE 2* mm (inch)	TUBE 3* mm (inch)	TUBE 4* mm (inch)	TUBE 5* mm (inch)
YC25-SOCL-SOCL-A2512	A25-M70x1	A12-M34x1	25,40x1,65 (1,00x0,065)	25,40x1,65 (1,00x0,065)	12,70x1,65 (0,50x0,065)	25,40x1,65 (1,00x0,065)	12,70x1,65 (0,50x0,065)

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:


CAD VALVE POSITION	A1	A2				
CAD VALVE SIZE	A25	A12				

Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) $Ra \leq 0.3\mu\text{m}$ ($16\mu\text{in}$)
External surface $Ra \leq 0.5\mu\text{m}$ ($20\mu\text{in}$)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

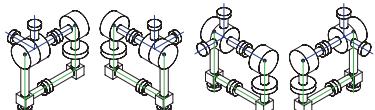
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Shut Off bodies are available also to 180°, tangential outlet Left or Right

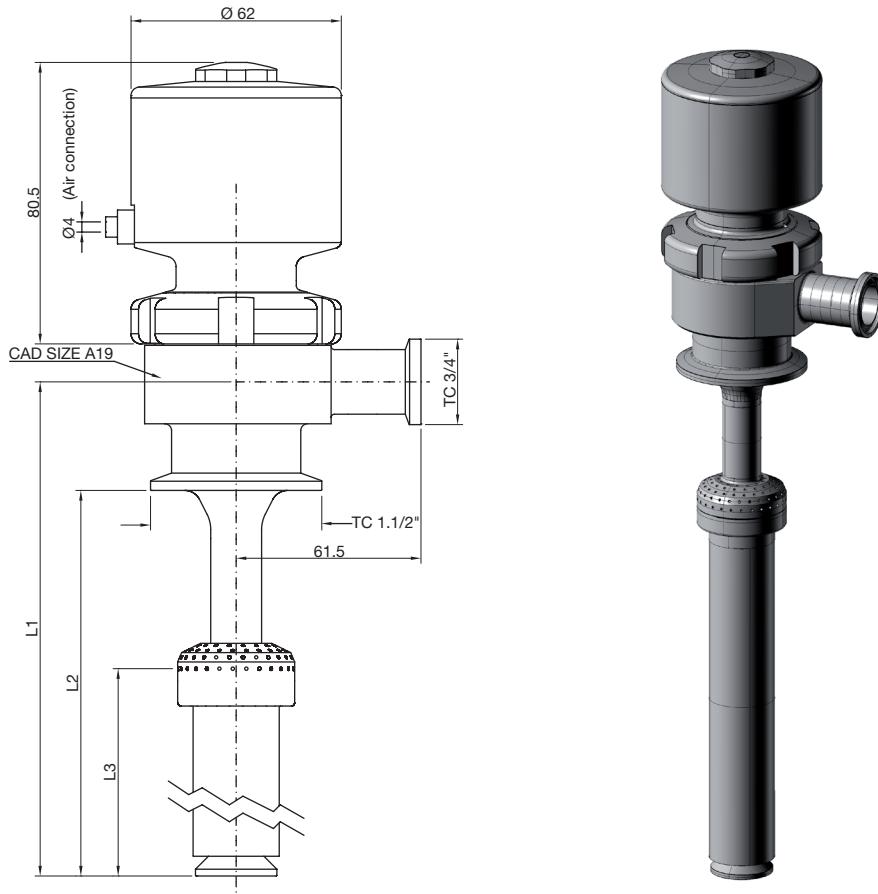
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Vertical Assembly


TECHNICAL INFORMATION _ CAT. N. YDTB 2FNL 0000 A1900

2 FUNCTIONS DEEP TUBE SPRAYBALL A19

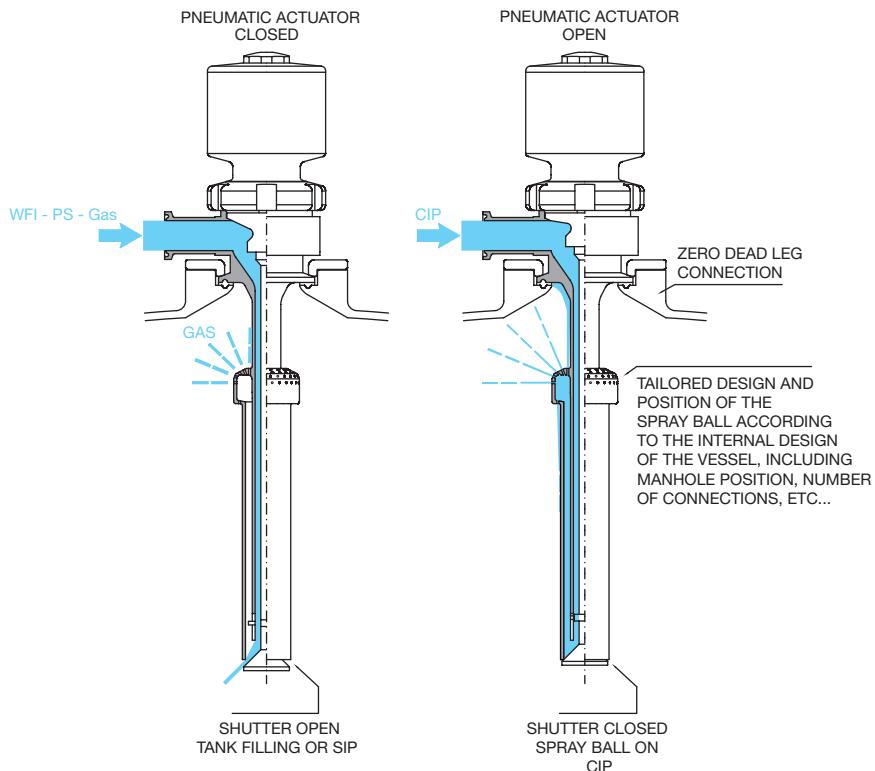


Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

2 Functions Deep Tube Sprayball A19 for SAFE areas engineered to give the best solution for the typical needs on the top of the process vessel offering the integration of a diptube with a spray ball in one tool ready to use for: filling, CIP-SIP activities. They offer also reduction of nozzles number on top vessel as additional benefit. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version made with Tri-Clamp connections.

NOMINAL DIMENSION	CAD SIZE	L1	L2	L3
YDTB-2FNL-0000-A1900	A19		Tailored	

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:


MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body:

Note:

The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) $Ra \leq 0.3\mu m$ ($16\mu in$)
External surface $Ra \leq 0.5\mu m$ ($20\mu in$)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

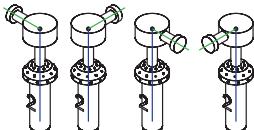
Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

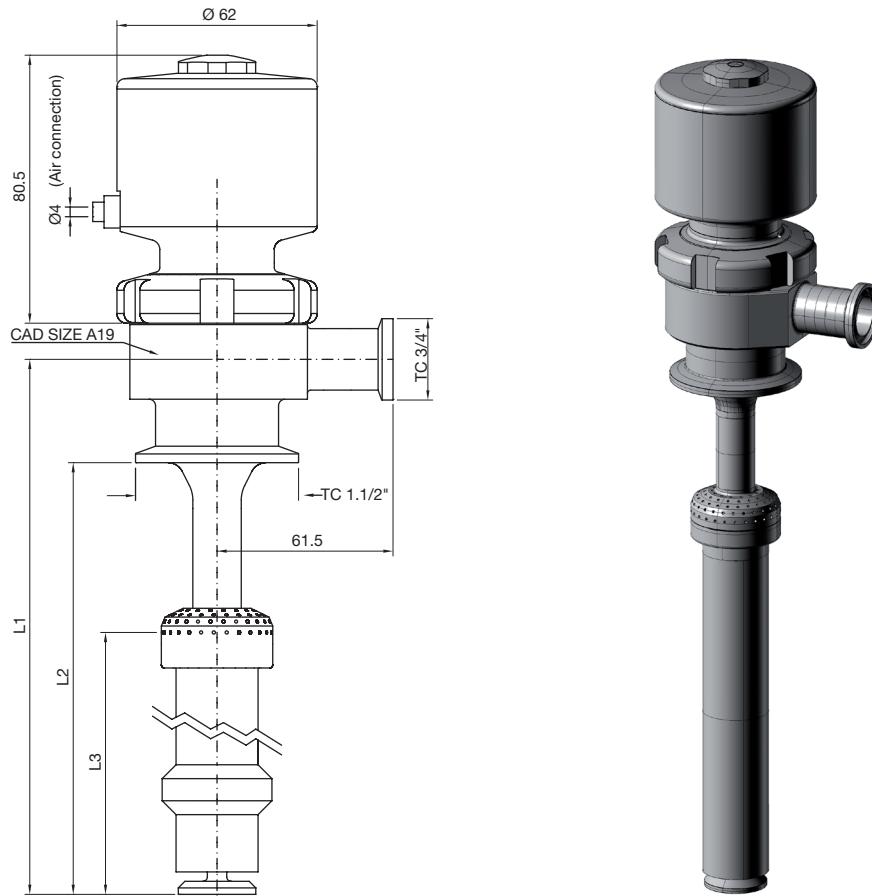
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YDTB 3FNL 0000 A1900

3 FUNCTIONS DEEP TUBE SPRAYBALL SPARGER A19



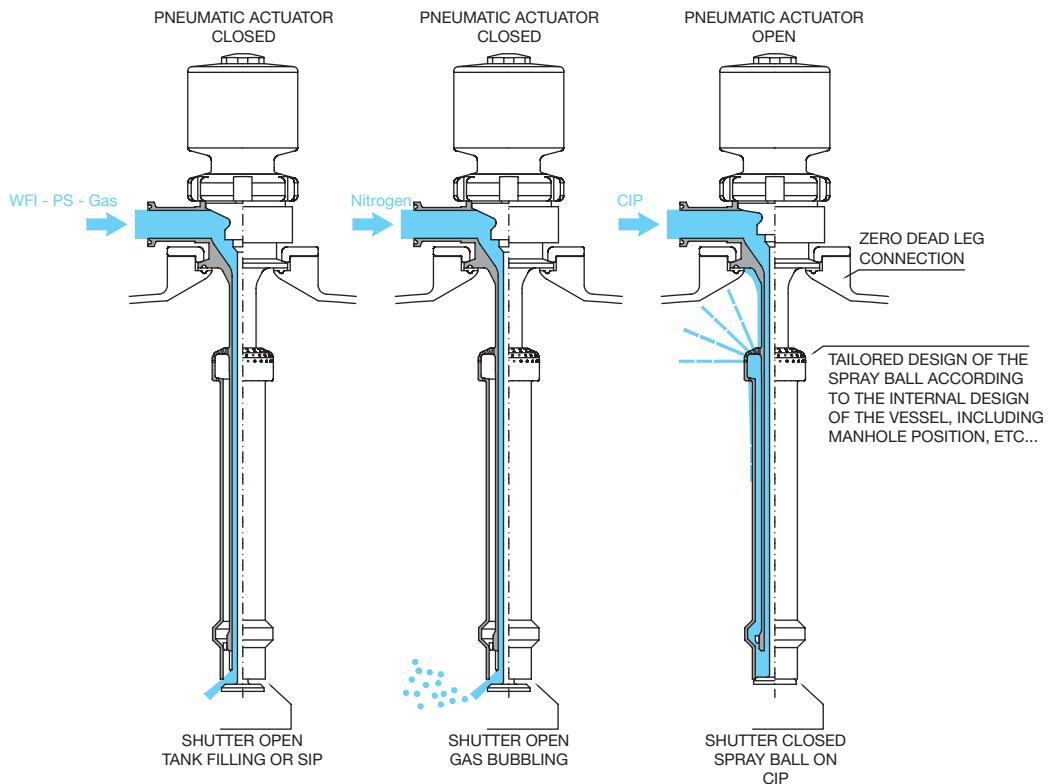
PROCESS ASSEMBLY G 305

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

3 Functions Deep Tube Sprayball Sparger A19 for SAFE areas engineered to give the best solution for the typical needs on the top of the process vessel offering reduction on nozzles numbers by the integration of a diptube with a spray ball and sparger in one tool ready to use for: filling, CIP-SIP and bubbling activities . They offer also reduction of nozzles number on top vessel as additional benefit. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version made with Tri-Clamp connections.

NOMINAL DIMENSION	CAD SIZE	L1	L2	L3
YDTB-3FNL-0000-A1900	A19		Tailored	

(*) US Tube ASTM® A269/270 – ASME BPE

SPECIFICATION:


MATERIAL	1,4435-BN2 - Low Ferrite - Low Sulphur
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body:

Note:

The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.5µm (20µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve body is labeled for full LOT traceability

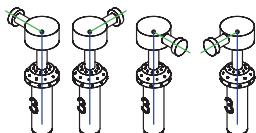
Packaging: Valve body is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

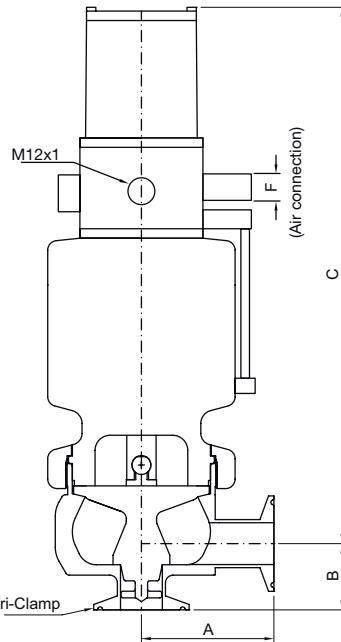
Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Vertical Assembly



TECHNICAL INFORMATION _ CAT. N. YFCV SOCL 0000 A##00

FLOW CONTROL VALVE



G 400

PROCESS ASSEMBLY

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

YFCV - Flow Control Valves for SAFE areas designed to intercept and manage flow pattern. Body shape and their internal design offer a very reliable component for Aseptic Processing Application. Standard version are available only with TC fittings. Refer to YFCV Technical literature to select correct size of valve according working parameters.

CODE	TRI-CLAMP SIZE	A mm (inch)	B mm (inch)	C mm (inch)	F
YFCV-SOCL-0000-A1900	3/4"	60,00 (2,36)	30,00 (1,18)	248,00 (9,76)	6,00
YFCV-SOCL-0000-A2500	1"	70,00 (2,76)	35,00 (1,38)	284,00 (11,18)	6,00
YFCV-SOCL-0000-A3800	1,1/2"	80,00 (3,15)	50,00 (1,97)	318,00 (12,52)	6,00

SPECIFICATION:

CAD SIZE	FCV19	FCV25	FCV38			
NET VOLUME ⁽¹⁾	ml	35,33	104,51	239,06		

⁽¹⁾ Internal valve cavity only, with diaphragm on site

MATERIAL	1,4435-BN2
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure, Valve Body: -1 to 6 bar (14 to 87 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: Internal surface (manually polished) Ra ≤ 0.3µm (16µin)
External surface Ra ≤ 0.8µm (32µin)

Surface Treatment: Available also on EP version - Elettropolishing after manual polished

Labeling: Each valve is labeled for full LOT traceability

Packaging: Valve is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

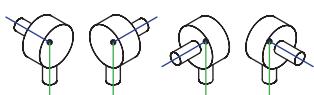
Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Standard design: Flow control Valves are available on Tri-Clamp end connections as standar

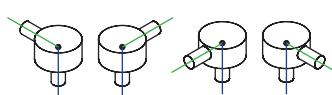
Options: For non-standard CAD Valve body Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

Horizontal Assembly



Vertical Assembly



ACTUATORS

A
B
C
D
E
F
G
H
I
J

H 005
Manual Actuators

H 007
Manual Actuators
for Atex App.

H 008
90° Hand Knob with Sensor

H 010
90° Extended Hand Knob
300mm Straight Version

H 011
90° Extended Hand Knob
300mm Straight Version
for Atex App.

H 012
90° Extended Hand Knob
2 Cardans Version

H 013
90° Extended Hand Knob
2 Cardans Version
for Atex App.

H 025
Pneumatic Actuators NC

H 026
Pneumatic Actuators NC
For Atex App.

H 027
Pneumatic Actuators NC
for applications up to 16 bar

H 028
Pneumatic Actuators Nc
for Atex Applications
up to 16 bar

H 030
Pneumatic Actuators NO

H 031
Pneumatic Actuators NO
for Atex App.

H 033
Pneumatic Actuators DE

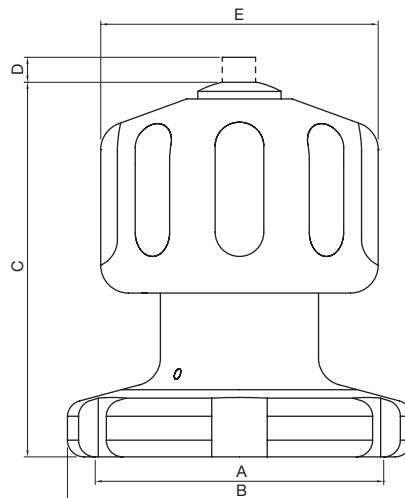
H 034
Pneumatic Actuators DE
for Atex App.

H 060
Double Position Sensor

H 080
Control Unit
for Flow Control Valve

TECHNICAL INFORMATION _ CAT. N. YACT HNKN 0##0 X0000

MANUAL ACTUATORS



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

HNKN - Manual Actuator are designed to control the PTFE diaphragm of the CAD Clean and Aseptic Valves on SAFE areas. It has few and simple moveable parts which results in a very reliable component and low maintenance cost. For applications with CAD Double Position Sensor, please see H008: YACT HNDS 0##0 X000.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	SIZE
YACT-HNKN-0120-X0000	M34x1	39,50 (1,56)	62,00 (2,44)	2,50 (0,10)	39,50 (1,56)	A12
YACT-HNKN-0190-X0000	M50x1	58,00 (2,29)	68,00 (2,68)	4,50 (0,18)	50,00 (1,97)	A19
YACT-HNKN-0250-X0000	M70x1	80,00 (3,15)	82,00 (3,23)	5,50 (0,22)	72,00 (2,84)	A25
YACT-HNKN-0380-X0000	M80x1	99,00 (3,90)	101,50 (4,00)	8,50 (0,34)	110,00 (4,33)	A38
YACT-HNKN-0500-X0000	M103x1,5	119,00 (4,69)	115,50 (4,55)	11,00 (0,43)	110,00 (4,33)	A50

SPECIFICATION:

CAD SIZE		A12	A19	A25	A38	A50		
MATERIAL	body	1.4404	1.4404	1.4404	1.4404	1.4404		
	locking ring	1.4404	1.4404	1.4404	1.4404	1.4404		
	hand knob	PTFE	PTFE	PTFE	PTFE	PTFE		
DESIGN PRESSURE	max(1) bar(g)	6	6	6	6	6		
	max psi(g)	87	87	87	87	87		
	min bar(g)	-1	-1	-1	-1	-1		
	min psi(g)	-14	-14	-14	-14	-14		

Environment Temperature: are autoclavable 135° C

Application Areas: SAFE

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

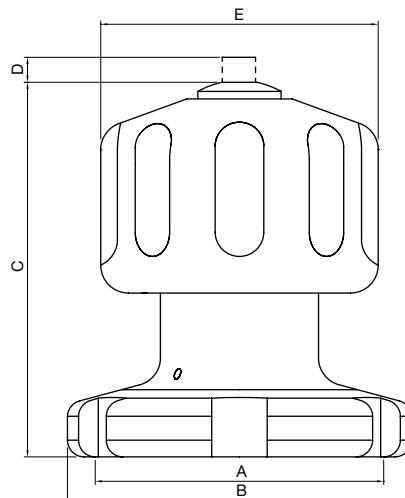
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. XACT HNKS 0##0 X0000

MANUAL ACTUATORS FOR ATEX APP.



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

HNKS - Manual Actuator are designed to control the PTFE diaphragm of the CAD Clean and Aseptic Valves on ATEX areas. It has few and simple moveable parts which results in a very reliable component and low maintenance cost.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	SIZE
XACT-HNKS-0120-X0000	M34x1	39,50 (1,56)	62,00 (2,44)	2,50 (0,10)	39,50 (1,56)	A12
XACT-HNKS-0190-X0000	M50x1	58,00 (2,29)	68,00 (2,68)	4,50 (0,18)	50,00 (1,97)	A19
XACT-HNKS-0250-X0000	M70x1	80,00 (3,15)	82,00 (3,23)	5,50 (0,22)	72,00 (2,84)	A25
XACT-HNKS-0380-X0000	M80x1	99,00 (3,90)	101,50 (4,00)	8,50 (0,34)	110,00 (4,33)	A38
XACT-HNKS-0500-X0000	M103x1,5	119,00 (4,69)	115,50 (4,55)	11,00 (0,43)	110,00 (4,33)	A50

SPECIFICATION:

CAD SIZE		A12	A19	A25	A38	A50		
MATERIAL	body	1.4404	1.4404	1.4404	1.4404	1.4404		
	locking ring	1.4404	1.4404	1.4404	1.4404	1.4404		
	hand knob	1.4404	1.4404	1.4404	1.4404	1.4404		
DESIGN PRESSURE	max(1) bar(g)	6	6	6	6	6		
	max psi(g)	87	87	87	87	87		
	min bar(g)	-1	-1	-1	-1	-1		
	min psi(g)	-14	-14	-14	-14	-14		

Environment Temperature: are autoclavable 135° C

Application Areas: ATEX: II 2GD IIA T4 T135°C

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

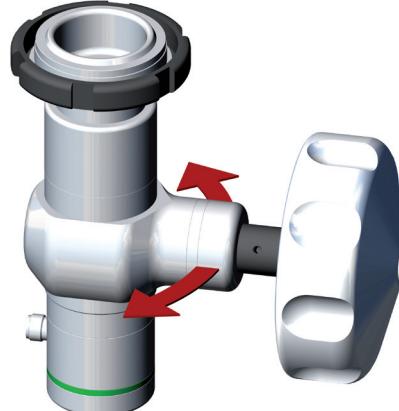
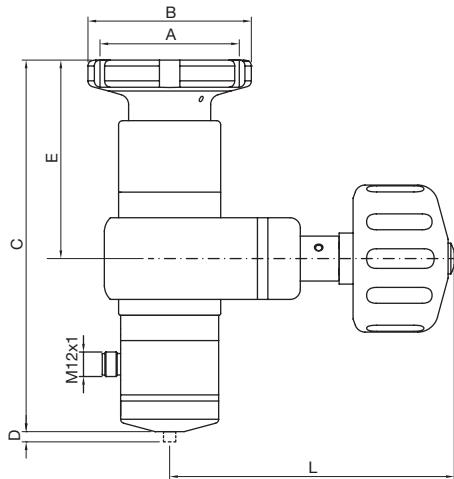
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. YACT HNDS 0##0 X0000

90° HAND KNOB WITH SENSOR



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

HNDS - 90° Hand Knob with sensor is designed to control the CAD Clean and Aseptic Valves on SAFE areas for all application where a double position sensor is required. It has few and simple moveable parts which results in a very reliable component and low maintenance cost. Rotating system as standard for an easier assembling. For additional informations on CAD Double position sensore please see H060: YACT-SEND-0XX0-X0000.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	L mm (inch)	SIZE
YACT-HNDS-0250-X0000	M70x1	80,00 (3,15)	176,00 (6,93)	5,50 (0,22)	97,00 (3,82)	140,00 (5,51)	A25
YACT-HNDS-0380-X0000	M80x1	99,00 (3,90)	201,00 (7,91)	8,50 (0,34)	116,50 (4,59)	140,00 (5,51)	A28
YACT-HNDS-0500-X0000	M103x1,5	119,00 (4,69)	215,50 (0,43)	11,00 (0,43)	131,00 (5,16)	140,00 (5,51)	A50

SPECIFICATION:

CAD SIZE		A25	A38	A50			
MATERIAL	body	1.4404	1.4404	1.4404			
	locking ring	1.4404	1.4404	1.4404			
	hand knob	PTFE	PTFE	PTFE			
DESIGN PRESSURE	max(1) bar(g)	6	6	6			
	max psi(g)	87	87	87			
	min bar(g)	-1	-1	-1			
	min psi(g)	-14	-14	-14			

Environment Temperature: -10 to 80°C (14 to 176°F)

Application Areas: SAFE

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.
For additional informations on CAD Double position sensore please see H060: YACT-SEND-0XX0-X0000.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

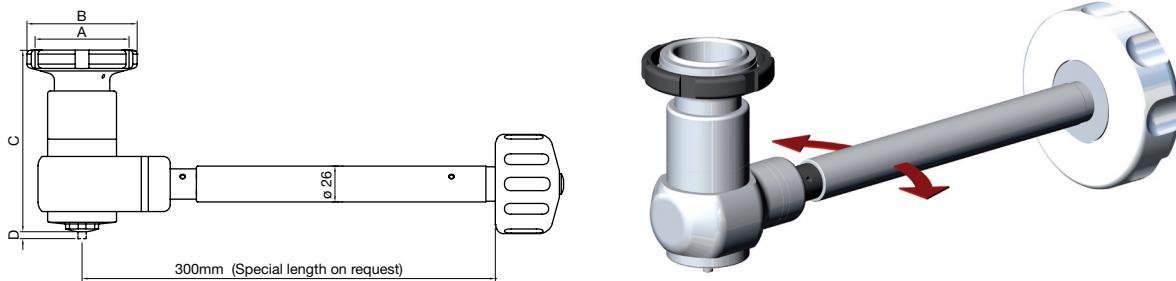
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options or special length, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. YACT HNKE 0##0 X0000

90° EXTENDED HAND KNOB 300mm STRAIGHT VERSION



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

HNKE - 90° Extended Hand Knob is designed to control the CAD Clean and Aseptic Valves on SAFE areas for all application where a more comfortable or safe management is required, such as on CAD Bottom Tank Valves. It has few and simple moveable parts which results in a very reliable component and low maintenance cost. Standard extension of 300 mm but special lengths available on request. Rotating system as standard for an easier assembling and ready to be connected to the CAD Double Position Sensor (H060: YACT-SEND-0XX0-X0000).

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	SIZE
YACT-HNKE-0250-X0000	M70x1	80,00 (3,15)	126,00 (4,96)	5,50 (0,22)	A25
YACT-HNKE-0380-X0000	M80x1	99,00 (3,90)	151,00 (5,95)	8,50 (0,34)	A28
YACT-HNKE-0500-X0000	M103x1,5	119,00 (4,69)	165,50 (6,52)	11,00 (0,43)	A50

SPECIFICATION:

CAD SIZE		A25	A38	A50			
MATERIAL	body	1.4404	1.4404	1.4404			
	locking ring	1.4404	1.4404	1.4404			
	hand knob	PTFE	PTFE	PTFE			
DESIGN PRESSURE	max(1) bar(g)	6	6	6			
	max psi(g)	87	87	87			
	min bar(g)	-1	-1	-1			
	min psi(g)	-14	-14	-14			

Environment Temperature: are autoclavable 135° C

Application Areas: SAFE

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

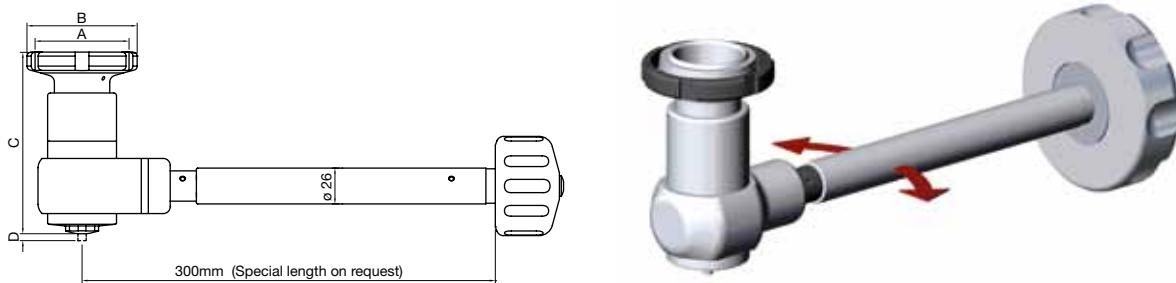
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options or special length, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. XACT HNKE 0##0 X0000

90° EXTENDED HAND KNOB 300mm STRAIGHT VERSION FOR ATEX APP.



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

XNKE - 90° Extended Hand Knob is designed to control the CAD Clean and Aseptic Valves on ATEX areas for all application where a more comfortable or safe management is required, such as on CAD Bottom Tank Valves. It has few and simple moveable parts which results in a very reliable component and low maintenance cost. Standard extension of 300 mm but special lengths available on request. Rotating system as standard for an easier assembling and ready to be connected to the CAD Double Position Sensor (H060: XACT-SEND-0XX0-X0000).

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	SIZE
XACT-HNKE-0250-X0000	M70x1	80,00 (3,15)	126,00 (4,96)	5,50 (0,22)	A25
XACT-HNKE-0380-X0000	M80x1	99,00 (3,90)	151,00 (5,95)	8,50 (0,34)	A28
XACT-HNKE-0500-X0000	M103x1,5	119,00 (4,69)	165,50 (6,52)	11,00 (0,43)	A50

SPECIFICATION:

CAD SIZE		A25	A38	A50			
MATERIAL	body	1.4404	1.4404	1.4404			
	locking ring	1.4404	1.4404	1.4404			
	hand knob	1.4404	1.4404	1.4404			
DESIGN PRESSURE	max(1) bar(g)	6	6	6			
	max psi(g)	87	87	87			
	min bar(g)	-1	-1	-1			
	min psi(g)	-14	-14	-14			

Environment Temperature: are autoclavable 135° C

Application Areas: ATEX: II 2GD IIA T4 T135°C

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

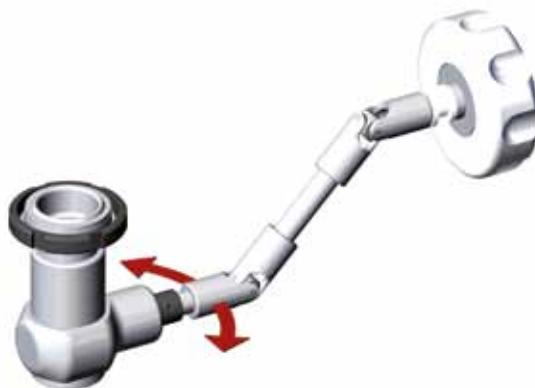
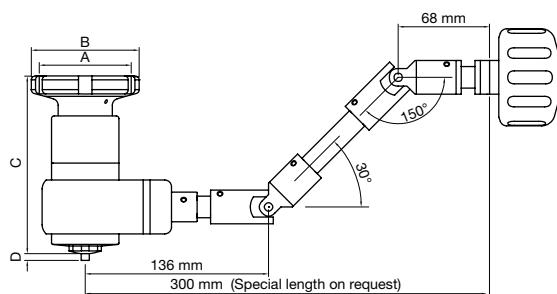
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options or special length, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. YACT HNKX 0##0 X0000

90° EXTENDED HAND KNOB 2 CARDANS VERSION



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

HNKX - 90° Extended Hand Knob is designed to control the CAD Clean and Aseptic Valves on SAFE areas for all application where a more comfortable or safe management is required, such as on CAD Bottom Tank Valves. It has few and simple moveable parts which results in a very reliable component and low maintenance cost. The 2 Cardans Version is the optimal solution to reach a comfortable handling position avoiding difficult operating conditions. Standard extension of 300 mm but special lengths available on request. Rotating system as standard for an easier assembling and ready to be connected to the CAD Double Position Sensor (H060: YACT-SEND-0XX0-X0000).

CODE	A	B mm (Inch)	C mm (inch)	D mm (inch)	SIZE
YACT-HNKX-0250-X0000	M70x1	80,00 (3,15)	126,00 (4,96)	5,50 (0,22)	A25
YACT-HNKX-0380-X0000	M80x1	99,00 (3,90)	151,00 (5,95)	8,50 (0,34)	A28
YACT-HNKX-0500-X0000	M103x1,5	119,00 (4,69)	165,50 (6,52)	11,00 (0,43)	A50

SPECIFICATION:

CAD SIZE		A25	A38	A50			
MATERIAL	body	1.4404	1.4404	1.4404			
	locking ring	1.4404	1.4404	1.4404			
	hand knob	PTFE	PTFE	PTFE			
DESIGN PRESSURE	max(1) bar(g)	6	6	6			
	max psi(g)	87	87	87			
	min bar(g)	-1	-1	-1			
	min psi(g)	-14	-14	-14			

Environment Temperature: are autoclavable 135° C

Application Areas: SAFE

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

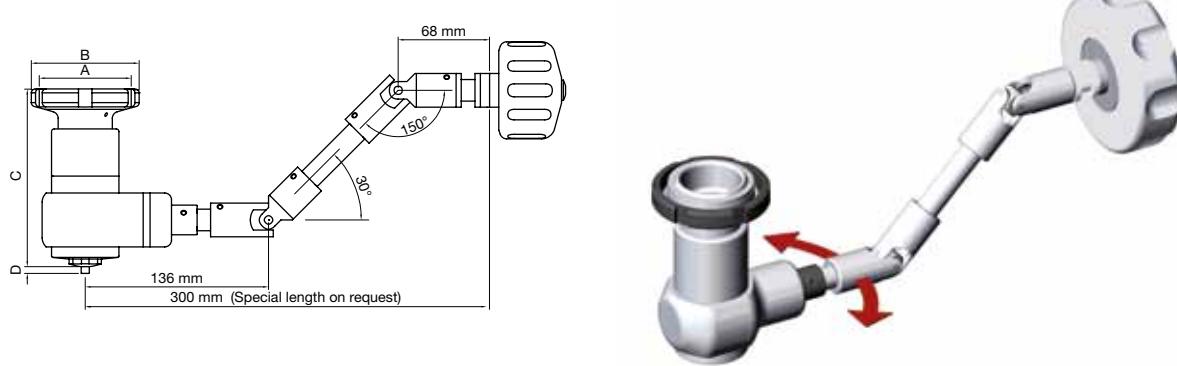
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options or special length, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. XACT HNKX 0##0 X0000

90° EXTENDED HAND KNOB 2 CARDANS VERSION FOR ATEX APP.



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

HNKX - 90° Extended Hand Knob is designed to control the CAD Clean and Aseptic Valves on ATEX areas for all application where a more comfortable or safe management is required, such as on CAD Bottom Tank Valves. It has few and simple moveable parts which results in a very reliable component and low maintenance cost. The 2 Cardans Version is the optimal solution to reach a comfortable handling position avoiding difficult operating conditions. Standard extension of 300 mm but special lengths available on request. Rotating system as standard for an easier assembling and ready to be connected to the CAD Double Position Sensor (H060: XACT-SEND-0XX0-X0000).

CODE	A	B mm (Inch)	C mm (inch)	D mm (inch)	SIZE
XACT-HNKX-0250-X0000	M70x1	80,00 (3,15)	126,00 (4,96)	5,50 (0,22)	A25
XACT-HNKX-0380-X0000	M80x1	99,00 (3,90)	151,00 (5,95)	8,50 (0,34)	A28
XACT-HNKX-0500-X0000	M103x1,5	119,00 (4,69)	165,50 (6,52)	11,00 (0,43)	A50

SPECIFICATION:

CAD SIZE		A25	A38	A50			
MATERIAL	body	1.4404	1.4404	1.4404			
	locking ring	1.4404	1.4404	1.4404			
	hand knob	1.4404	1.4404	1.4404			
DESIGN PRESSURE	max(1) bar(g)	6	6	6			
	max psi(g)	87	87	87			
	min bar(g)	-1	-1	-1			
	min psi(g)	-14	-14	-14			

Environment Temperature: are autoclavable 135° C

Application Areas: ATEX: II 2GD IIA T4 T135°C

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

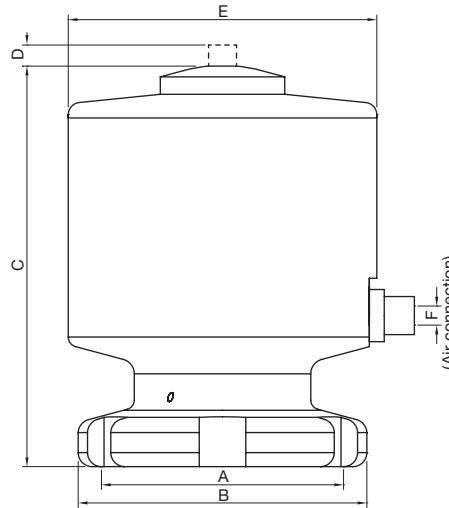
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options or special length, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. YACT PANC 0##0 X0000

PNEUMATIC ACTUATORS NC



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

PANC - Pneumatic Actuator Normally Closed are designed to control the PTFE diaphragm of the CAD Clean and Aseptic Valves for SAFE areas. It has few and simple moveable parts which results in a very reliable component and low maintenance cost.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F	SIZE
YACT-PANC-0120-X0000	M34x1	39,50 (1,56)	72,00 (2,84)	2,50 (0,10)	50,00 (1,97)	4,00	A12
YACT-PANC-0190-X0000	M50x1	58,00 (2,29)	80,50 (3,17)	4,50 (0,18)	62,00 (2,44)	4,00	A19
YACT-PANC-0250-X0000	M70x1	80,00 (3,15)	111,00 (4,37)	5,50 (0,22)	79,00 (3,11)	6,00	A25
YACT-PANC-0380-X0000	M80x1	99,00 (3,90)	140,00 (5,51)	8,50 (0,34)	99,00 (3,90)	6,00	A38
YACT-PANC-0500-X0000	M103x1,5	119,00 (4,69)	174,00 (6,85)	11,00 (0,43)	119,00 (4,69)	6,00	A50
YACT-PANC-0630-X0000	M120x1,5	143,00 (5,63)	195,00 (7,68)	14,00 (0,55)	139,00 (5,47)	6,00	A63
YACT-PANC-0760-X0000	M140x1,5	168,00 (6,61)	256,00 (10,08)	17,00 (0,67)	149,00 (5,87)	6,00	A76

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76
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DESIGN PRESSURE	max(1) bar(g)	6	6	6	6	6	4
	max psi(g)	87	87	87	87	87	58
	min bar(g)	-1	-1	-1	-1	-1	-1
	min psi(g)	-14	-14	-14	-14	-14	-14

Max⁽¹⁾ Max. pressure in bar without leakage at the valve seat

AIR FEED PRESSURE⁽²⁾	max(1) bar(g)	10	10	10	10	10	10
	max psi(g)	140	140	140	140	140	140
	min bar(g)	5,5	5,5	5,5	5,5	5,5	5,5
	min psi(g)	80	80	80	80	80	80
	Pneumatic Fast Fitting mm (in.)	M5 0,23	M5 0,23	1/8" 1/8"	1/8" 1/8"	1/8" 1/8"	1/8" 1/8"
	Air feed tube diameter	mm 4	4	6	6	6	6

Compressed Air ⁽²⁾ Compressed Air must be dry and filtered to 10 micron

MATERIAL	1.4404	1.4404	1.4404	1.4404	1.4404	1.4404	1.4404
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Environment Temperature: 0 to 70 °C (32 to 158 °F)

Application Areas: SAFE

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

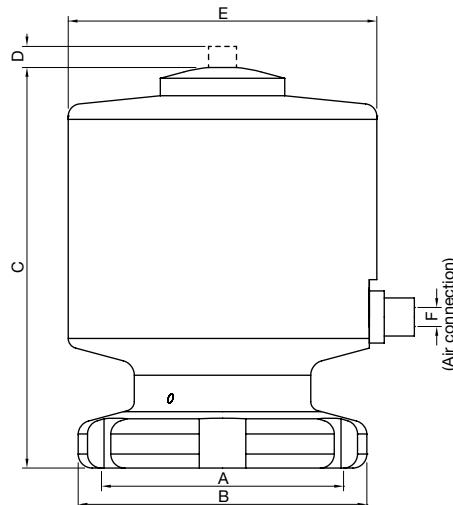
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. XACT PANC 0##0 X0000

PNEUMATIC ACTUATORS NC FOR ATEX APP.



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

PANC - Pneumatic Actuator Normally Closed are designed to control the PTFE diaphragm of the CAD Clean and Aseptic Valves for ATEX areas. It has few and simple moveable parts which results in a very reliable component and low maintenance cost.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F	SIZE
XACT-PANC-0120-X0000	M34x1	39,50 (1,56)	72,00 (2,84)	2,50 (0,10)	50,00 (1,97)	4,00	A12
XACT-PANC-0190-X0000	M50x1	58,00 (2,29)	80,50 (3,17)	4,50 (0,18)	62,00 (2,44)	4,00	A19
XACT-PANC-0250-X0000	M70x1	80,00 (3,15)	111,00 (4,37)	5,50 (0,22)	79,00 (3,11)	6,00	A25
XACT-PANC-0380-X0000	M80x1	99,00 (3,90)	140,00 (5,51)	8,50 (0,34)	99,00 (3,90)	6,00	A38
XACT-PANC-0500-X0000	M103x1,5	119,00 (4,69)	174,00 (6,85)	11,00 (0,43)	119,00 (4,69)	6,00	A50
XACT-PANC-0630-X0000	M120x1,5	143,00 (5,63)	195,00 (7,68)	14,00 (0,55)	139,00 (5,47)	6,00	A63
XACT-PANC-0760-X0000	M140x1,5	168,00 (6,61)	256,00 (10,08)	17,00 (0,67)	149,00 (5,87)	6,00	A76

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76
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DESIGN PRESSURE	max(1) bar(g)	6	6	6	6	6	4
	max psi(g)	87	87	87	87	87	58
	min bar(g)	-1	-1	-1	-1	-1	-1
	min psi(g)	-14	-14	-14	-14	-14	-14

Max⁽¹⁾ Max. pressure in bar without leakage at the valve seat

AIR FEED PRESSURE⁽²⁾	max(1) bar(g)	10	10	10	10	10	10
	max psi(g)	140	140	140	140	140	140
	min bar(g)	5,5	5,5	5,5	5,5	5,5	5,5
	min psi(g)	80	80	80	80	80	80
	Pneumatic Fast Fitting mm (in.)	M5 0,23	M5 0,23	1/8" 1/8"	1/8" 1/8"	1/8" 1/8"	1/8" 1/8"
	Air feed tube diameter	mm 4	4	6	6	6	6

Compressed Air ⁽²⁾ Compressed Air must be dry and filtered to 10 micron

MATERIAL	1.4404	1.4404	1.4404	1.4404	1.4404	1.4404	1.4404
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Environment Temperature: 0 to 70 °C (32 to 158 °F)

Application Areas: ATEX: II 2GD IIA T4 T135°C

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

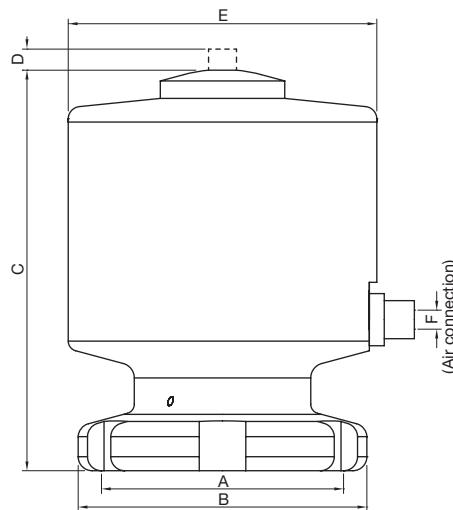
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. YACT PANC 0##0 X0016

PNEUMATIC ACTUATORS NC FOR APPLICATIONS UP TO 16 BAR



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

PANC - Pneumatic Actuator Normally Closed are designed to control the PTFE diaphragm of the CAD Clean and Aseptic Valves for SAFE areas. It has few and simple moveable parts which results in a very reliable component and low maintenance cost.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F	SIZE
YACT-PANC-0120-X0016	M34x1	39,50 (1,56)	77,00 (3,03)	2,50 (0,10)	62,00 (2,44)	4,00	A12
YACT-PANC-0190-X0016	M50x1	58,00 (2,29)	100,00 (3,94)	4,50 (0,18)	79,00 (3,11)	6,00	A19

SPECIFICATION:

CAD SIZE	A12	A19					
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DESIGN PRESSURE	max(1) bar(g)	16	16				
	max psi(g)	232	232				
	min bar(g)	-1	-1				
	min psi(g)	-14	-14				

Max⁽¹⁾ Max. pressure in bar without leakage at the valve seat

AIR FEED PRESSURE⁽²⁾	max(1) bar(g)	10	10				
	max psi(g)	140	140				
	min bar(g)	5,5	5,5				
	min psi(g)	80	80				
	Pneumatic Fast Fitting mm (in.)	M5	M5				
		0,23	0,23				
Air feed tube diameter	mm	4	4				

Compressed Air ⁽²⁾ Compressed Air must be dry and filtered to 10 micron

MATERIAL	1.4404	1.4404					
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Environment Temperature: 0 to 70 °C (32 to 158 °F)

Application Areas: SAFE

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

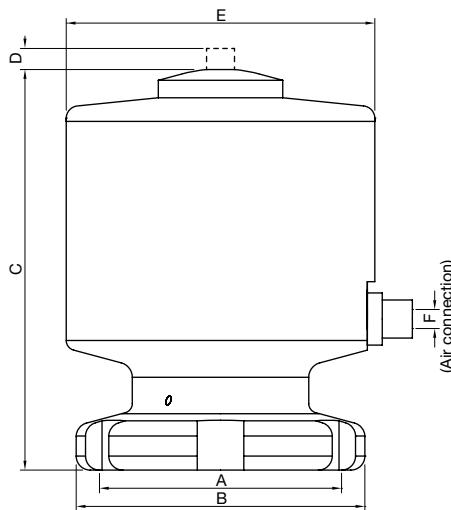
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. XACT PANC 0##0 X0016

PNEUMATIC ACTUATORS NC FOR ATEX APPLICATIONS UP TO 16 BAR



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

PANC - Pneumatic Actuator Normally Closed are designed to control the PTFE diaphragm of the CAD Clean and Aseptic Valves for ATEX areas. It has few and simple moveable parts which results in a very reliable component and low maintenance cost.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F	SIZE
XACT-PANC-0120-X0016	M34x1	39,50 (1,56)	77,00 (3,03)	2,50 (0,10)	62,00 (2,44)	4,00	A12
XACT-PANC-0190-X0016	M50x1	58,00 (2,29)	100,00 (3,94)	4,50 (0,18)	79,00 (3,11)	6,00	A19

SPECIFICATION:

CAD SIZE	A12	A19					
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DESIGN PRESSURE	max(1) bar(g)	16	16				
	max psi(g)	232	232				
	min bar(g)	-1	-1				
	min psi(g)	-14	-14				

Max⁽¹⁾ Max. pressure in bar without leakage at the valve seat

AIR FEED PRESSURE⁽²⁾	max(1) bar(g)	10	10				
	max psi(g)	140	140				
	min bar(g)	5,5	5,5				
	min psi(g)	80	80				
	Pneumatic Fast Fitting mm (in.)	M5	M5				
		0,23	0,23				
Air feed tube diameter	mm	4	4				

Compressed Air ⁽²⁾ Compressed Air must be dry and filtered to 10 micron

MATERIAL	1.4404	1.4404					
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Environment Temperature: 0 to 70 °C (32 to 158 °F)

Application Areas: ATEX: II 2GD IIA T4 T135°C

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

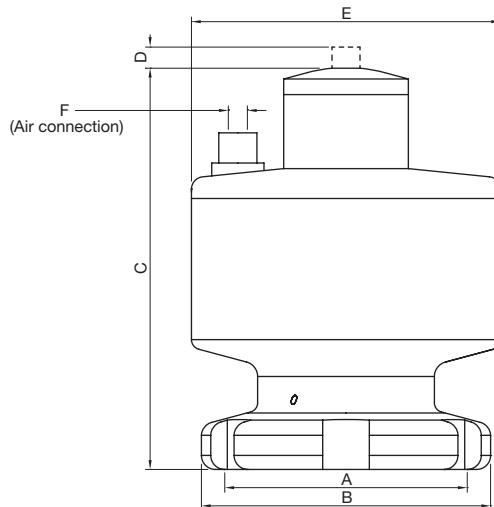
Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. YACT PANO 0##0 X0000

PNEUMATIC ACTUATORS NO

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

PANO - Pneumatic Actuator Normally Open are designed to control the PTFE diaphragm of the CAD Clean and Aseptic Valves for SAFE areas. It has few and simple moveable parts which results in a very reliable component and low maintenance cost.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F	SIZE
YACT-PANO-0120-X0000	M34x1	39,50 (1,56)	72,00 (2,84)	2,50 (0,10)	50,00 (1,97)	4,00	A12
YACT-PANO-0190-X0000	M50x1	58,00 (2,29)	80,50 (3,17)	4,50 (0,18)	62,00 (2,44)	4,00	A19
YACT-PANO-0250-X0000	M70x1	80,00 (3,15)	111,00 (4,37)	5,50 (0,22)	79,00 (3,11)	6,00	A25
YACT-PANO-0380-X0000	M80x1	99,00 (3,90)	140,00 (5,51)	8,50 (0,34)	99,00 (3,90)	6,00	A38
YACT-PANO-0500-X0000	M103x1,5	119,00 (4,69)	174,00 (6,85)	11,00 (0,43)	119,00 (4,69)	6,00	A50
YACT-PANO-0630-X0000	M120x1,5	143,00 (5,63)	195,00 (7,68)	14,00 (0,55)	139,00 (5,47)	6,00	A63
YACT-PANO-0760-X0000	M140x1,5	168,00 (6,61)	256,00 (10,08)	17,00 (0,67)	149,00 (5,87)	6,00	A76

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76
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DESIGN PRESSURE	max(1) bar(g)	6	6	6	6	6	4
	max psi(g)	87	87	87	87	87	58
	min bar(g)	-1	-1	-1	-1	-1	-1
	min psi(g)	-14	-14	-14	-14	-14	-14

Max⁽¹⁾ Max. pressure in bar without leakage at the valve seat

AIR FEED PRESSURE⁽²⁾	max(1) bar(g)	10	10	10	10	10	10
	max psi(g)	140	140	140	140	140	140
	min bar(g)	5,5	5,5	5,5	5,5	5,5	5,5
	min psi(g)	80	80	80	80	80	80
	Pneumatic Fast Fitting mm (in.)	M5 0,23	M5 0,23	1/8" 1/8"	1/8" 1/8"	1/8" 1/8"	1/8" 1/8"
	Air feed tube diameter	mm 4	4	6	6	6	6

Compressed Air ⁽²⁾ Compressed Air must be dry and filtered to 10 micron

MATERIAL	1.4404	1.4404	1.4404	1.4404	1.4404	1.4404	1.4404
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Environment Temperature: 0 to 70 °C (32 to 158 °F)

Application Areas: SAFE

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

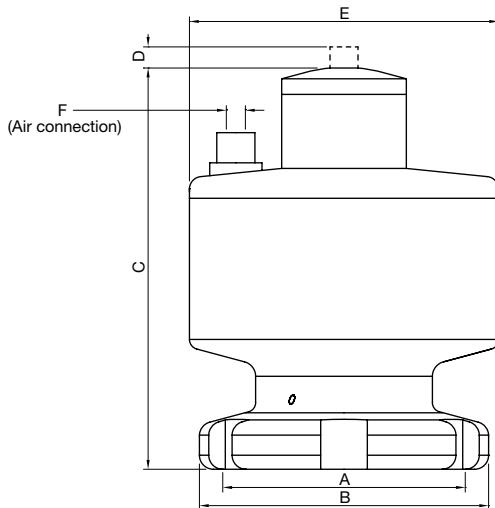
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. XACT PANO 0##0 X0000

PNEUMATIC ACTUATORS NO FOR ATEX APP.



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PANO - Pneumatic Actuator Normally Open are designed to control the PTFE diaphragm of the CAD Clean and Aseptic Valves for ATEX areas. It has few and simple moveable parts which results in a very reliable component and low maintenance cost.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F	SIZE
XACT-PANO-0120-X0000	M34x1	39,50 (1,56)	72,00 (2,84)	2,50 (0,10)	50,00 (1,97)	4,00	A12
XACT-PANO-0190-X0000	M50x1	58,00 (2,29)	80,50 (3,17)	4,50 (0,18)	62,00 (2,44)	4,00	A19
XACT-PANO-0250-X0000	M70x1	80,00 (3,15)	111,00 (4,37)	5,50 (0,22)	79,00 (3,11)	6,00	A25
XACT-PANO-0380-X0000	M80x1	99,00 (3,90)	140,00 (5,51)	8,50 (0,34)	99,00 (3,90)	6,00	A38
XACT-PANO-0500-X0000	M103x1,5	119,00 (4,69)	174,00 (6,85)	11,00 (0,43)	119,00 (4,69)	6,00	A50
XACT-PANO-0630-X0000	M120x1,5	143,00 (5,63)	195,00 (7,68)	14,00 (0,55)	139,00 (5,47)	6,00	A63
XACT-PANO-0760-X0000	M140x1,5	168,00 (6,61)	256,00 (10,08)	17,00 (0,67)	149,00 (5,87)	6,00	A76

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76
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DESIGN PRESSURE	max(1) bar(g)	6	6	6	6	6	4
	max psi(g)	87	87	87	87	87	58
	min bar(g)	-1	-1	-1	-1	-1	-1
	min psi(g)	-14	-14	-14	-14	-14	-14

Max⁽¹⁾ Max. pressure in bar without leakage at the valve seat

AIR FEED PRESSURE⁽²⁾	max(1) bar(g)	10	10	10	10	10	10
	max psi(g)	140	140	140	140	140	140
	min bar(g)	5,5	5,5	5,5	5,5	5,5	5,5
	min psi(g)	80	80	80	80	80	80
	Pneumatic Fast Fitting mm (in.)	M5 0,23	M5 0,23	1/8" 1/8"	1/8" 1/8"	1/8" 1/8"	1/8" 1/8"
	Air feed tube diameter	mm 4	4	6	6	6	6

Compressed Air ⁽²⁾ Compressed Air must be dry and filtered to 10 micron

MATERIAL	1.4404	1.4404	1.4404	1.4404	1.4404	1.4404	1.4404
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Environment Temperature: 0 to 70 °C (32 to 158 °F)

Application Areas: ATEX: II 2GD IIA T4 T135°C

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

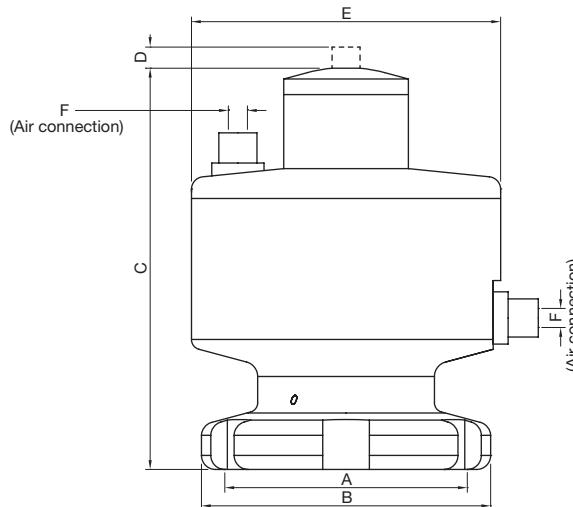
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. YACT PADE 0##0 X0000

PNEUMATIC ACTUATORS DE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

PADE - Pneumatic Actuator Double Effect are designed to control the PTFE diaphragm of the CAD Clean and Aseptic Valves for SAFE areas. It has few and simple moveable parts which results in a very reliable component and low maintenance cost.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F	SIZE
YACT-PADE-0120-X0000	M34x1	39,50 (1,56)	72,00 (2,84)	2,50 (0,10)	50,00 (1,97)	4,00	A12
YACT-PADE-0190-X0000	M50x1	58,00 (2,29)	80,50 (3,17)	4,50 (0,18)	62,00 (2,44)	4,00	A19
YACT-PADE-0250-X0000	M70x1	80,00 (3,15)	111,00 (4,37)	5,50 (0,22)	79,00 (3,11)	6,00	A25
YACT-PADE-0380-X0000	M80x1	99,00 (3,90)	140,00 (5,51)	8,50 (0,34)	99,00 (3,90)	6,00	A38
YACT-PADE-0500-X0000	M103x1,5	119,00 (4,69)	174,00 (6,85)	11,00 (0,43)	119,00 (4,69)	6,00	A50
YACT-PADE-0630-X0000	M120x1,5	143,00 (5,63)	195,00 (7,68)	14,00 (0,55)	139,00 (5,47)	6,00	A63
YACT-PADE-0760-X0000	M140x1,5	168,00 (6,61)	256,00 (10,08)	17,00 (0,67)	149,00 (5,87)	6,00	A76

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76
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DESIGN PRESSURE	max(1) bar(g)	6	6	6	6	6	4
	max psi(g)	87	87	87	87	87	58
	min bar(g)	-1	-1	-1	-1	-1	-1
	min psi(g)	-14	-14	-14	-14	-14	-14

Max⁽¹⁾ Max. pressure in bar without leakage at the valve seat

AIR FEED PRESSURE⁽²⁾	max(1) bar(g)	10	10	10	10	10	10
	max psi(g)	140	140	140	140	140	140
	min bar(g)	5,5	5,5	5,5	5,5	5,5	5,5
	min psi(g)	80	80	80	80	80	80
	Pneumatic Fast Fitting mm (in.)	M5 0,23	M5 0,23	1/8" 1/8"	1/8" 1/8"	1/8" 1/8"	1/8" 1/8"
	Air feed tube diameter	mm 4	4	6	6	6	6

Compressed Air ⁽²⁾ Compressed Air must be dry and filtered to 10 micron

MATERIAL	1.4404	1.4404	1.4404	1.4404	1.4404	1.4404	1.4404
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Environment Temperature: 0 to 70 °C (32 to 158 °F)

Application Areas: SAFE

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

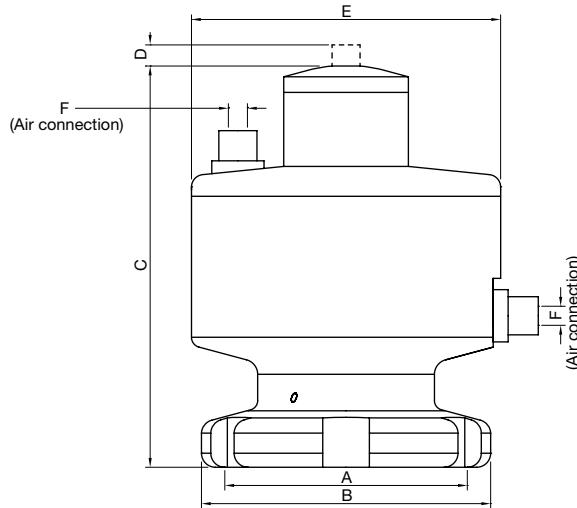
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. XACT PADE 0##0 X0000

PNEUMATIC ACTUATORS DE FOR ATEX APP.



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

PADE - Pneumatic Actuator Double Effect are designed to control the PTFE diaphragm of the CAD Clean and Aseptic Valves for ATEX areas. It has few and simple moveable parts which results in a very reliable component and low maintenance cost.

CODE	A	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F	SIZE
XACT-PADE-0120-X0000	M34x1	39,50 (1,56)	72,00 (2,84)	2,50 (0,10)	50,00 (1,97)	4,00	A12
XACT-PADE-0190-X0000	M50x1	58,00 (2,29)	80,50 (3,17)	4,50 (0,18)	62,00 (2,44)	4,00	A19
XACT-PADE-0250-X0000	M70x1	80,00 (3,15)	111,00 (4,37)	5,50 (0,22)	79,00 (3,11)	6,00	A25
XACT-PADE-0380-X0000	M80x1	99,00 (3,90)	140,00 (5,51)	8,50 (0,34)	99,00 (3,90)	6,00	A38
XACT-PADE-0500-X0000	M103x1,5	119,00 (4,69)	174,00 (6,85)	11,00 (0,43)	119,00 (4,69)	6,00	A50
XACT-PADE-0630-X0000	M120x1,5	143,00 (5,63)	195,00 (7,68)	14,00 (0,55)	139,00 (5,47)	6,00	A63
XACT-PADE-0760-X0000	M140x1,5	168,00 (6,61)	256,00 (10,08)	17,00 (0,67)	149,00 (5,87)	6,00	A76

SPECIFICATION:

CAD SIZE	A12	A19	A25	A38	A50	A63	A76
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DESIGN PRESSURE	max(1) bar(g)	6	6	6	6	6	4
	max psi(g)	87	87	87	87	87	58
	min bar(g)	-1	-1	-1	-1	-1	-1
	min psi(g)	-14	-14	-14	-14	-14	-14

Max⁽¹⁾ Max. pressure in bar without leakage at the valve seat

AIR FEED PRESSURE⁽²⁾	max(1) bar(g)	10	10	10	10	10	10
	max psi(g)	140	140	140	140	140	140
	min bar(g)	5,5	5,5	5,5	5,5	5,5	5,5
	min psi(g)	80	80	80	80	80	80
	Pneumatic Fast Fitting mm (in.)	M5 0,23	M5 0,23	1/8" 1/8"	1/8" 1/8"	1/8" 1/8"	1/8" 1/8"
	Air feed tube diameter	mm 4	4	6	6	6	6

Compressed Air ⁽²⁾ Compressed Air must be dry and filtered to 10 micron

MATERIAL	1.4404	1.4404	1.4404	1.4404	1.4404	1.4404	1.4404
----------	--------	--------	--------	--------	--------	--------	--------

Environment Temperature: 0 to 70 °C (32 to 158 °F)

Application Areas: ATEX: II 2GD IIA T4 T135°C

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

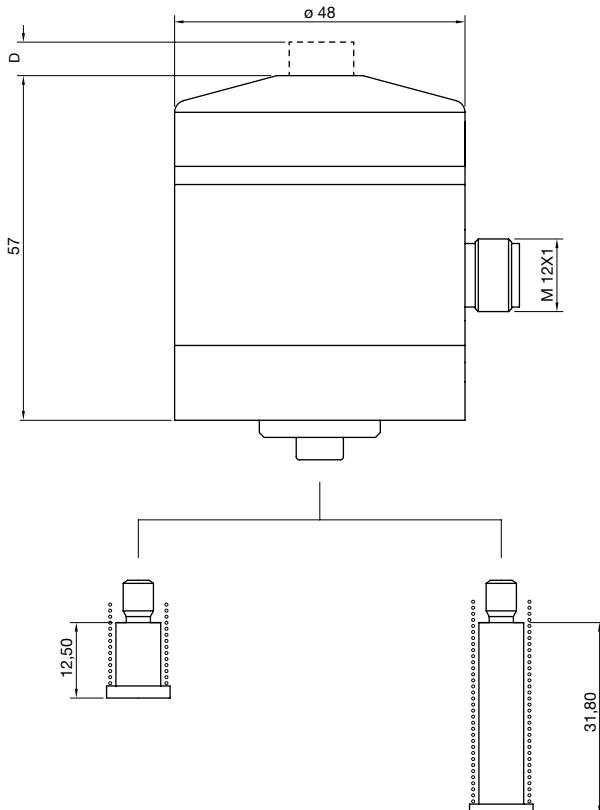
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. XACT SEND 0XX0 X0000

DOUBLE POSITION SENSOR



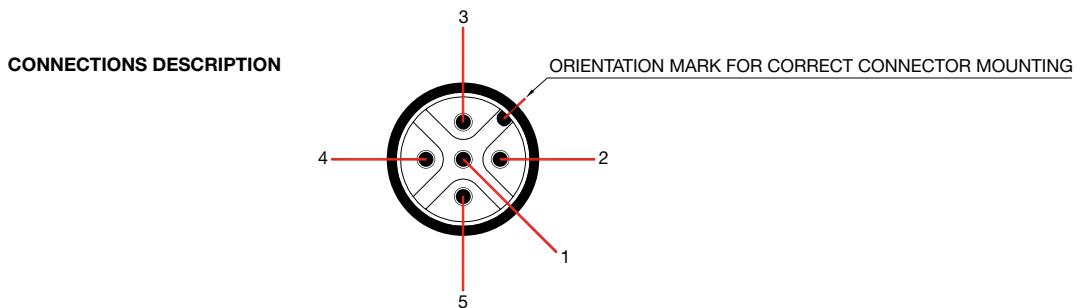
Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

SEND - Double Position Sensor provides an indication on the state of the pneumatic valve and on the extended 90° manual actuator, giving the possibility to record the opening and closing positions. The sensor is easy to be programmed using the CAD Programmer (YACT-SENP-0XC0-X0000) or via PLC and can be used for all CAD valves. Same tool for all size of CAD actuators, thanks to the already included adaptors.

SIZE	ADAPTOR LENGTH mm (inch)	D mm (inch)
A12	12,50 (0,49)	2,50 (0,10)
A19	12,50 (0,49)	4,50 (0,18)
A25	31,80 (1,25)	5,50 (0,22)
A38	31,80 (1,25)	8,50 (0,34)
A50	31,80 (1,25)	11,00 (0,43)
A63	31,80 (1,25)	14,00 (0,55)
A76	31,80 (1,25)	17,00 (0,67)
A00	31,80 (1,25)	22,00 (0,87)

SPECIFICATION:

Power supply	10 ÷ 30VDC
Maximum current consumption without load (@Vin= 30V)	40 mA
Transistor output signaling on opening and closing position (POS1 e POS2)	Tipo: Open collector PNP Imax: 80mA Vmax: 40V
Operating temperature limits	-10°C + 80°C
Temperature limits Storage	-10°C + 80°C
Protection level	IP67
EMC Conformity	EN 61326-1:2006, EN61000-6-2:2006, EN61000-6-3:2007, EN 61326-2-3:2006



CONNECTIONS					
Number	Name	Type	Operation	VDC [V]	MAX I [mA]
1	Vin	supply	positive power	10 ÷ 30	40
2	GND	supply	negative power		
3	SET	input	limits setting		28
4	POS1	output	output signal: valve closed	40	80
5	POS2	output	output signal: valve open	40	80

MATERIAL	AISI 316L - 1.4404
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Environment Temperature: -10 to 80 °C (14 to 176 °F)

Application Areas: SAFE & ATEX: II 3GD IIA T6 T80°C X

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Surface Roughness: External surface Ra ≤ 0.8µm (32µinch)

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin and Certificate of Conformity.

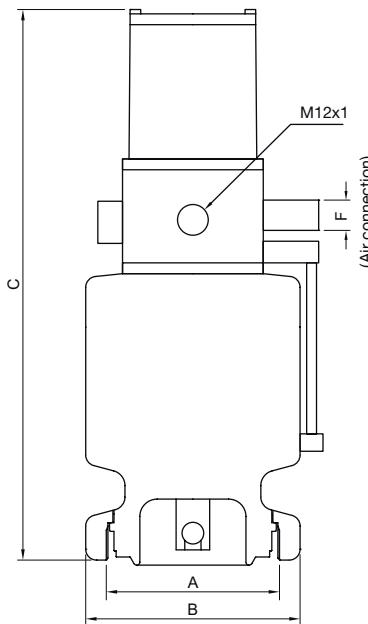
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. YACT PANC 0##0 X86##

CONTROL UNIT FOR FLOW CONTROL VALVE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Control Unit - is designed to control the PTFE diaphragm of the CAD Flow Control Valve (FCV) for SAFE areas. It has few and simple moveable parts which results in a very reliable component and low maintenance cost. Refer to dedicated literature for the operating range and select correct size.

CODE	FCV SIZE	A	B mm (inch)	C mm (inch)	F
YACT-PANC-0190-X8696	FCV19	M70x1	80,00 (3,15)	226,00 (8,90)	6,00
YACT-PANC-0250-X8696	FCV25	M80x1	99,00 (3,90)	255,00 (8,86)	6,00
YACT-PANC-0380-X8694	FCV38	M103x1,5	119,00 (4,69)	282,00 (11,10)	6,00

SPECIFICATION:

CAD FCV SIZE	FCV19	FCV25	FCV38			
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DESIGN PRESSURE	max(1) bar(g)	6	6	6			
	max psi(g)	87	87	87			
	min bar(g)	-1	-1	-1			
	min psi(g)	-14	-14	-14			

Max⁽¹⁾ Max. pressure in bar without leakage at the valve seat

AIR FEED PRESSURE⁽²⁾	max(1) bar(g)	7	7	7			
	max psi(g)	101	101	101			
	min bar(g)	5,5	5,5	5,5			
	min psi(g)	80	80	80			

Compressed Air ⁽²⁾ Compressed Air must be dry and filtered to 10 micron

MATERIAL	Stainless steel, PPS, PC, VA, PA 6, ABS			

Environment Temperature: 0 to 70 °C (32 to 158 °F)

Application Areas: SAFE

Note: The applied valve body and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Lubricant: Actuator are lubricated to workshop and don't need lubrication

Labeling: Each Actuator is labeled for full LOT traceability

Packaging: The Actuator is packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification 3.1

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Options: For non-standard Actuator Options, please contact us for further information.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

DIAPHRAGMS

A
B
C
D
E
F
G
H
I
J

I 005
PTFE Diaphragm

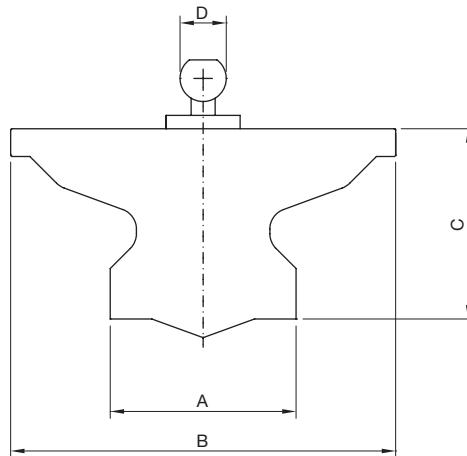
I 010
PTFE Extended Diaphragm

I 012
PTFE Diaphragm
for Flow Control Valve

I 025
Silicone Diaphragm

I 035
EPDM Diaphragm

TECHNICAL INFORMATION _ CAT. N. YDIA PTFE 0000 S##00

PTFE DIAPHRAGM

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

PTFE Diaphragm (Poly-Tetra-Fluor-Ethylene) manufactured from solid stock in accordance to FDA and USP Class VI - 121°C

CODE	CAD SIZE	A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)
YDIA-PTFE-0000-S1200	A12	13,40 (0,53)	28,00 (1,10)	13,00 (0,51)	5,00 (0,20)
YDIA-PTFE-0000-S1900	A19	20,00 (0,79)	41,50 (1,63)	20,50 (0,81)	5,00 (0,20)
YDIA-PTFE-0000-S2500	A25	30,00 (1,18)	58,50 (2,30)	27,50 (1,08)	8,00 (0,32)
YDIA-PTFE-0000-S3800	A38	45,00 (1,77)	72,50 (2,85)	42,50 (1,67)	10,00 (0,39)
YDIA-PTFE-0000-S5000	A50	63,50 (2,50)	93,50 (3,68)	55,50 (2,19)	12,00 (0,47)
YDIA-PTFE-0000-S6300	A63	71,00 (2,80)	109,00 (4,29)	67,50 (2,66)	12,00 (0,47)
YDIA-PTFE-0000-S7600	A76	85,00 (3,35)	126,00 (4,96)	81,50 (3,21)	12,00 (0,47)
YDIA-PTFE-0000-S0000	A00	109,00 (4,29)	155,50 (6,12)	107,50 (4,23)	12,00 (0,47)

SPECIFICATION:

MATERIAL	PTFE USP CLASS VI - 121° C
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Labeling: Each diaphragm is labeled for full LOT traceability

Packaging: Diaphragm is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification

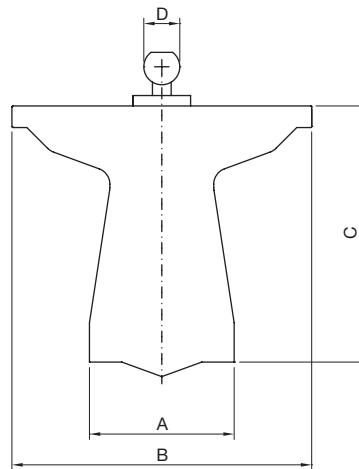
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. YDIA PTFE 0000 E##00

PTFE EXTENDED DIAPHRAGM



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Extended PTFE Diaphragm (Poly-Tetra-Fluor-Ethylene) manufactured from solid stock in accordance to FDA and USP Class VI - 121°C

CODE	CAD SIZE	A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)
YDIA-PTFE-0000- E1200	A12	13,40 (0,53)	28,00 (1,10)	33,00 (1,30)	5,00 (0,20)
YDIA-PTFE-0000- E1900	A19	20,00 (0,79)	41,50 (1,63)	62,00 (2,44)	5,00 (0,20)
YDIA-PTFE-0000- E2500	A25	30,00 (1,18)	58,50 (2,30)	68,50 (2,70)	8,00 (0,32)
YDIA-PTFE-0000- E3800	A38	45,00 (1,77)	72,50 (2,85)	97,50 (3,84)	10,00 (0,39)
YDIA-PTFE-0000- E5000	A50	63,50 (2,50)	93,50 (3,68)	105,50 (4,15)	12,00 (0,47)
YDIA-PTFE-0000- E6300	A63	71,00 (2,80)	109,00 (4,29)	123,50 (4,86)	12,00 (0,47)
YDIA-PTFE-0000- E7600	A76	85,00 (3,35)	126,00 (4,96)	131,50 (5,18)	12,00 (0,47)
YDIA-PTFE-0000- E0000	A00	109,00 (4,29)	155,50 (6,12)	162,50 (6,40)	12,00 (0,47)

SPECIFICATION:

MATERIAL	PTFE USP CLASS VI - 121° C
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Labeling: Each diaphragm is labeled for full LOT traceability

Packaging: Diaphragm is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification

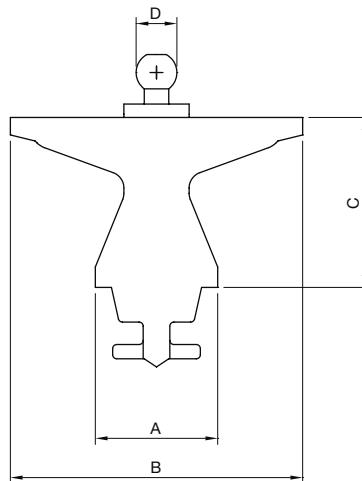
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. YDIA PTFE FCV0 S##00

PTFE DIAPHRAGM FOR FLOW CONTROL VALVE



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

PTFE Diaphragm (Poly-Tetra-Fluor-Ethylene) for Flow Control Valves, manufactured from solid stock in accordance to FDA and USP Class VI - 121°C. Refer to dedicated literature for the operating range and select correct size.

CODE	CAD SIZE	A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)
YDIA-PTFE-FCV0-S1900	FCV A19	20,00 (0,79)	58,50 (2,30)	27,50 (1,08)	8,00 (0,32)
YDIA-PTFE-FCV0-S2500	FCV A25	30,00 (1,18)	72,50 (2,85)	42,50 (1,67)	10,00 (0,39)
YDIA-PTFE-FCV0-S3800	FCV A38	45,00 (1,77)	93,50 (3,68)	55,50 (2,19)	12,00 (0,47)

SPECIFICATION:

MATERIAL	PTFE USP CLASS VI - 121° C
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Labeling: Each diaphragm is labeled for full LOT traceability

Packaging: Diaphragm is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification

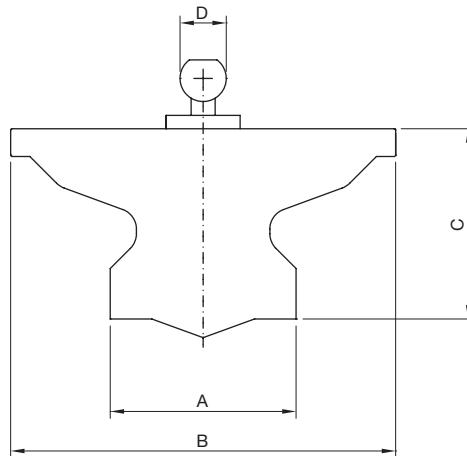
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. YDIA SILI 0000 S##00

SILICONE DIAPHRAGM



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

SILICONE Diaphragm manufactured in accordance to FDA and USP Class VI - 121°C (Platinum cured)

CODE	CAD SIZE	A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)
YDIA-SILI-0000-S1200	A12	15,00 (0,58)	28,00 (1,10)	13,00 (0,51)	5,00 (0,20)
YDIA-SILI-0000-S1900	A19	22,00 (0,87)	41,50 (1,63)	20,50 (0,81)	5,00 (0,20)
YDIA-SILI-0000-S2500	A25	31,00 (1,22)	58,50 (2,30)	27,50 (1,08)	8,00 (0,32)
YDIA-SILI-0000-S3800	A38	45,00 (1,77)	72,50 (2,85)	42,50 (1,67)	10,00 (0,39)
YDIA-SILI-0000-S5000	A50	63,50 (2,50)	93,50 (3,68)	55,50 (2,19)	12,00 (0,47)
YDIA-SILI-0000-S6300	A63	75,00 (2,95)	109,00 (4,29)	67,50 (2,66)	12,00 (0,47)
YDIA-SILI-0000-S7600	A76	90,00 (3,54)	126,00 (4,96)	81,50 (3,21)	12,00 (0,47)

SPECIFICATION:

MATERIAL	SILICONE (PLATINUM CURED) FDA & USP CLASS VI - 121° C
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Design Temperature: -50 to 130 °C (-58 to 266 °F)

Application Areas: SAFE

Design Pressure: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Labeling: Each diaphragm is labeled for full LOT traceability

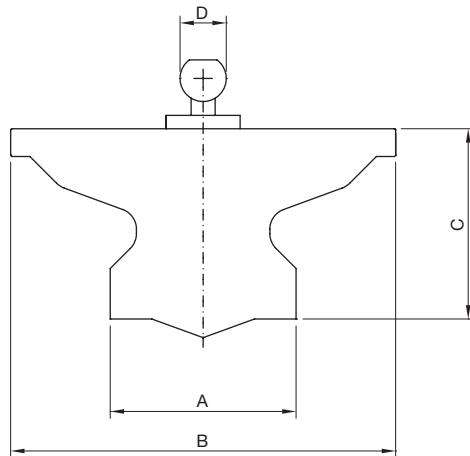
Packaging: Diaphragm is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. YDIA EPDM 0000 S##00

EPDM DIAPHRAGM

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

EPDM Diaphragm (Ethylene Propylene Diene) manufactured in accordance to FDA and USP Class VI

CODE	CAD SIZE	A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)
YDIA-EPDM-0000-S1200	A12	15,00 (0,58)	28,00 (1,10)	13,00 (0,51)	5,00 (0,20)
YDIA-EPDM-0000-S1900	A19	22,00 (0,87)	41,50 (1,63)	20,50 (0,81)	5,00 (0,20)
YDIA-EPDM-0000-S2500	A25	31,00 (1,22)	58,50 (2,30)	27,50 (1,08)	8,00 (0,32)
YDIA-EPDM-0000-S3800	A38	45,00 (1,77)	72,50 (2,85)	42,50 (1,67)	10,00 (0,39)
YDIA-EPDM-0000-S5000	A50	63,50 (2,50)	93,50 (3,68)	55,50 (2,19)	12,00 (0,47)
YDIA-EPDM-0000-S6300	A63	75,00 (2,95)	109,00 (4,29)	67,50 (2,66)	12,00 (0,47)
YDIA-EPDM-0000-S7600	A76	90,00 (3,54)	126,00 (4,96)	81,50 (3,21)	12,00 (0,47)

SPECIFICATION:

MATERIAL	EPDM FDA & USP CLASS VI
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Design Temperature: -20 to 140 °C (-4 to 284 °F)

Application Areas: SAFE

Design Pressure: -1 to 10 bar (-14.5 to 145 psi)

Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Labeling: Each diaphragm is labeled for full LOT traceability

Packaging: Diaphragm is sealed in plastic bags and packaged in a closed box with Operating and Maintenance bulletin, Certificate of Conformity and Materials Certification

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Rules Compliances: CAD valve are on going to be classified for PED Directive 97/23/EC and fulfill ASME BPE Standards

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

UPGRADE

J 010

40mm Extended Butt Weld BPE
Pipe for Orbital Welding

J 015

45° Extended Butt Weld BPE
Elbow for Orbital Welding

J 020

90° Extended Butt Weld BPE
Elbow for Orbital Welding

J 025

Tri-Clamp
Extended Connection

J 030

45° Tri-Clamp
Extended Connection

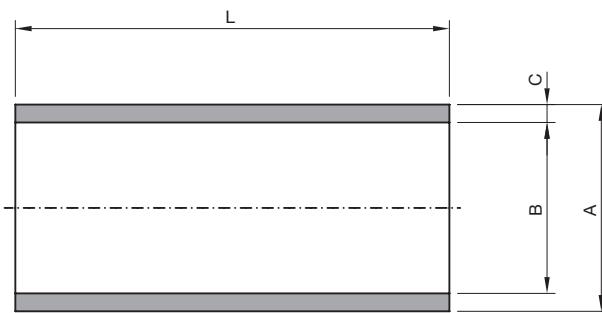
J 035

90° Tri-Clamp
Extended Connection

A
B
C
D
E
F
G
H
I
J

TECHNICAL INFORMATION _ CAT. N. YBPE 2A## 40-#

40mm EXTENDED BUTT WELD BPE PIPE FOR ORBITAL WELDING



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

40mm Extended Butt Weld Upgrade to perform orbital weldings on CAD Valves connections. Pipe material and dimensions according to ASME-BPE regulations.

CODE	CAD SIZE	A mm (inch)	B mm (inch)	C mm (inch)	L mm (inch)	n° of extensions
YBPE 2A12 40-1	A12	12,70 (0,50)	9,40 (0,37)	1,65 (0,065)	40,00 (1,58)	1
YBPE 2A12 40-2						2
YBPE 2A12 40-3						3
YBPE 2A12 40-4						4
YBPE 2A19 40-1	A19	19,05 (0,75)	15,75 (0,62)	1,65 (0,065)	40,00 (1,58)	1
YBPE 2A19 40-2						2
YBPE 2A19 40-3						3
YBPE 2A19 40-4						4
YBPE 2A25 40-1	A25	25,40 (1,00)	22,10 (0,87)	1,65 (0,065)	40,00 (1,58)	1
YBPE 2A25 40-2						2
YBPE 2A25 40-3						3
YBPE 2A25 40-4						4
YBPE 2A38 40-1	A38	38,10 (1,50)	34,80 (1,37)	1,65 (0,065)	40,00 (1,58)	1
YBPE 2A38 40-2						2
YBPE 2A38 40-3						3
YBPE 2A38 40-4						4

CODE	CAD SIZE	A mm (inch)	B mm (inch)	C mm (inch)	L mm (inch)	n° of extensions
YBPE 2A50 40-1	A50	50,80 (2,00)	47,50 (1,87)	1,65 (0,065)	40,00 (1,58)	1
YBPE 2A50 40-2						2
YBPE 2A50 40-3						3
YBPE 2A50 40-4						4
YBPE 2A63 40-1	A63	63,50 (2,50)	60,20 (2,37)	1,65 (0,065)	40,00 (1,58)	1
YBPE 2A63 40-2						2
YBPE 2A63 40-3						3
YBPE 2A63 40-4						4
YBPE 2A76 40-1	A76	76,20 (3,00)	72,90 (2,87)	1,65 (0,065)	40,00 (1,58)	1
YBPE 2A76 40-2						2
YBPE 2A76 40-3						3
YBPE 2A76 40-4						4
YBPE 2A00 40-1	A00	101,60 (4,00)	97,39 (3,83)	2,11 (0,083)	40,00 (1,58)	1
YBPE 2A00 40-2						2
YBPE 2A00 40-3						3
YBPE 2A00 40-4						4

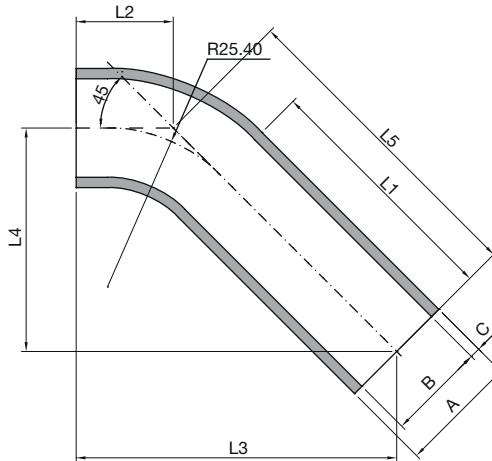
Pipe design according to ASTM® A269/270 - ASME BPE

Pipe material: AISI 316L according to ASME BPE

Optional: 1.4435 - BN2

TECHNICAL INFORMATION _ CAT. N. YBPE 5A## 45-#

45° EXTENDED BUTT WELD BPE ELBOW FOR ORBITAL WELDING



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

45° Extended Butt Weld Upgrade to perform orbital weldings on CAD Valves connections. Pipe material and dimensions according to ASME-BPE regulations.

CODE	CAD SIZE	A mm (inch)	B mm (inch)	C mm (inch)	L1 mm (inch)	L2 mm (inch)	L3 mm (inch)	L4 mm (inch)	L5 mm (inch)	n° of extensions
YBPE 5A12 45-1	A12	12,70 (0,50)	9,40 (0,37)	1,65 (0,065)	46,00 (1,81)	20,50 (0,81)	61,00 (2,40)	40,50 (1,60)	57,20 (2,25)	1
YBPE 5A12 45-2										2
YBPE 5A12 45-3										3
YBPE 5A12 45-4										4
YBPE 5A19 45-1	A19	19,05 (0,75)	15,75 (0,62)	1,65 (0,065)	46,00 (1,81)	20,50 (0,81)	61,00 (2,40)	40,50 (1,60)	57,20 (2,25)	1
YBPE 5A19 45-2										2
YBPE 5A19 45-3										3
YBPE 5A19 45-4										4
YBPE 5A25 45-1	A25	25,40 (1,00)	22,10 (0,87)	1,65 (0,065)	41,00 (1,61)	26,00 (1,02)	66,00 (2,60)	40,50 (1,60)	57,20 (2,25)	1
YBPE 5A25 45-2										2
YBPE 5A25 45-3										3
YBPE 5A25 45-4										4
YBPE 5A38 45-1	A38	38,10 (1,50)	34,80 (1,37)	1,65 (0,065)	40,00 (1,58)	34,00 (1,34)	78,50 (3,09)	45,00 (1,77)	63,50 (2,50)	1
YBPE 5A38 45-2										2
YBPE 5A38 45-3										3
YBPE 5A38 45-4										4

CODE	CAD SIZE	A mm (inch)	B mm (inch)	C mm (inch)	L1 mm (inch)	L2 mm (inch)	L3 mm (inch)	L4 mm (inch)	L5 mm (inch)	n° of extensions
YBPE 5A50 45-1	A50	50,80 (2,00)	47,50 (1,87)	1,65 (0,065)	44,50 (1,75)	46,50 (1,83)	100,50 (3,96)	54,00 (2,13)	76,20 (3,00)	1
YBPE 5A50 45-2										2
YBPE 5A50 45-3										3
YBPE 5A50 45-4										4
YBPE 5A63 45-1	A63	63,50 (2,50)	60,20 (2,37)	1,65 (0,065)	46,00 (1,81)	54,50 (2,15)	115,00 (4,53)	60,50 (2,38)	85,70 (3,37)	1
YBPE 5A63 45-2										2
YBPE 5A63 45-3										3
YBPE 5A63 45-4										4
YBPE 5A76 45-1	A76	76,20 (3,00)	72,90 (2,87)	1,65 (0,065)	44,50 (1,75)	44,50 (1,75)	157,00 (6,18)	65,00 (2,56)	92,10 (3,63)	1
YBPE 5A76 45-2										2
YBPE 5A76 45-3										3
YBPE 5A76 45-4										4
YBPE 5A00 45-1	A00	101,60 (4,00)	97,39 (3,83)	2,11 (0,083)	51,00 (2,01)	51,00 (2,01)	195,00 (7,68)	81,00 (3,19)	114,30 (4,50)	1
YBPE 5A00 45-2										2
YBPE 5A00 45-3										3
YBPE 5A00 45-4										4

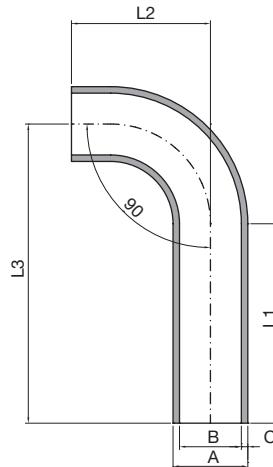
Pipe design according to ASTM® A269/270 - ASME BPE

Pipe material: AISI 316L according to ASME BPE

Optional: 1.4435 - BN2

TECHNICAL INFORMATION _ CAT. N. YBPE 7A## 90-#

90° EXTENDED BUTT WELD BPE ELBOW FOR ORBITAL WELDING



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

90° Extended Butt Weld Upgrade to perform orbital weldings on CAD Valves connections. Pipe material and dimensions according to ASME-BPE regulations.

CODE	CAD SIZE	A mm (inch)	B mm (inch)	C mm (inch)	L1 mm (inch)	L2 mm (inch)	L3 mm (inch)	n° of extensions
YBPE 7A12 90-1	A12	12,70 (0,50)	9,40 (0,37)	1,65 (0,065)	50,80 (2,00)	35,40 (1,39)	76,20 (3,00)	1
YBPE 7A12 90-2								2
YBPE 7A12 90-3								3
YBPE 7A12 90-4								4
YBPE 7A19 90-1	A19	19,05 (0,75)	15,75 (0,62)	1,65 (0,065)	50,80 (2,00)	35,40 (1,39)	76,20 (3,00)	1
YBPE 7A19 90-2								2
YBPE 7A19 90-3								3
YBPE 7A19 90-4								4
YBPE 7A25 90-1	A25	25,40 (1,00)	22,10 (0,87)	1,65 (0,065)	38,10 (1,50)	48,10 (1,89)	76,20 (3,00)	1
YBPE 7A25 90-2								2
YBPE 7A25 90-3								3
YBPE 7A25 90-4								4
YBPE 7A38 90-1	A38	38,10 (1,50)	34,80 (1,37)	1,65 (0,065)	38,10 (1,50)	67,20 (2,65)	95,30 (3,75)	1
YBPE 7A38 90-2								2
YBPE 7A38 90-3								3
YBPE 7A38 90-4								4

CODE	CAD SIZE	A mm (inch)	B mm (inch)	C mm (inch)	L1 mm (inch)	L2 mm (inch)	L3 mm (inch)	n° of extensions
YBPE 7A50 90-1	A50	50,80 (2,00)	47,50 (1,87)	1,65 (0,065)	44,50 (1,75)	91,20 (3,59)	120,70 (4,75)	1
YBPE 7A50 90-2								2
YBPE 7A50 90-3								3
YBPE 7A50 90-4								4
YBPE 7A63 90-1	A63	63,50 (2,50)	60,20 (2,37)	1,65 (0,065)	44,50 (1,75)	110,30 (4,34)	139,70 (5,50)	1
YBPE 7A63 90-2								2
YBPE 7A63 90-3								3
YBPE 7A63 90-4								4
YBPE 7A76 90-1	A76	76,20 (3,00)	72,90 (2,87)	1,65 (0,065)	44,50 (1,75)	158,80 (6,25)	158,80 (6,25)	1
YBPE 7A76 90-2								2
YBPE 7A76 90-3								3
YBPE 7A76 90-4								4
YBPE 7A00 90-1	A00	101,60 (4,00)	97,39 (3,83)	2,11 (0,083)	50,80 (2,00)	203,20 (8,00)	203,20 (8,00)	1
YBPE 7A00 90-2								2
YBPE 7A00 90-3								3
YBPE 7A00 90-4								4

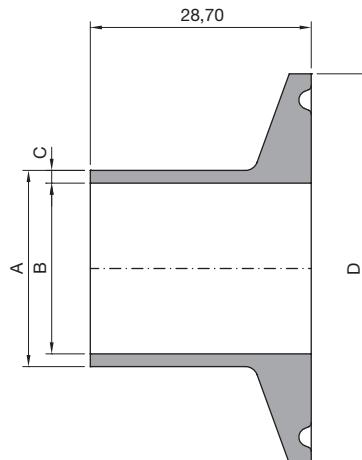
Pipe design according to ASTM® A269/270 - ASME BPE

Pipe material: AISI 316L according to ASME BPE

Optional: 1.4435 - BN2

TECHNICAL INFORMATION _ CAT. N. YBPE 4A## TC-#

TRI-CLAMP EXTENDED CONNECTION



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Tri-Clamp Fittings Upgrade. Design according to ASME-BPE regulation. Machined from low ferrite and low sulphur 1.4435 material.

CODE	CAD SIZE	TC SIZE	A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	n° of extensions
YBPE 4A12 TC-1	A12	1/2"	12,70 (0,50)	9,40 (0,37)	1,65 (0,065)	25,00 (0,98)	1
YBPE 4A12 TC-2							2
YBPE 4A12 TC-3							3
YBPE 4A12 TC-4							4
YBPE 4A19 TC-1	A19	3/4"	19,05 (0,75)	15,75 (0,62)	1,65 (0,065)	25,00 (0,98)	1
YBPE 4A19 TC-2							2
YBPE 4A19 TC-3							3
YBPE 4A19 TC-4							4
YBPE 4A25 TC-1	A25	1"	25,40 (1,00)	22,10 (0,87)	1,65 (0,065)	50,40 (1,98)	1
YBPE 4A25 TC-2							2
YBPE 4A25 TC-3							3
YBPE 4A25 TC-4							4
YBPE 4A38 TC-1	A38	1,1/2"	38,10 (1,50)	34,80 (1,37)	1,65 (0,065)	50,40 (1,98)	1
YBPE 4A38 TC-2							2
YBPE 4A38 TC-3							3
YBPE 4A38 TC-4							4

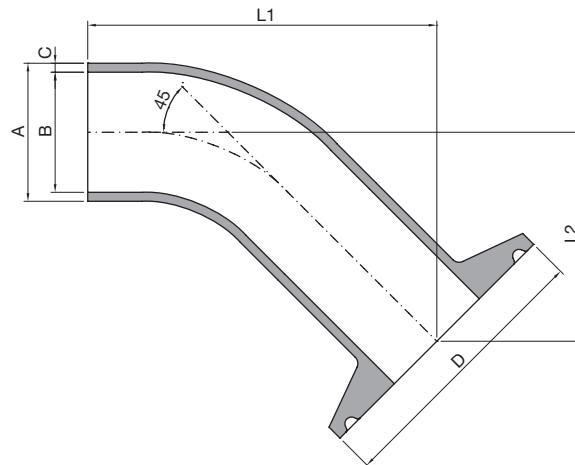
CODE	CAD SIZE	TC SIZE	A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	n° of extensions
YBPE 4A50 TC-1	A50	2"	50,80 (2,00)	47,50 (1,87)	1,65 (0,065)	64,00 (2,52)	1
YBPE 4A50 TC-2							2
YBPE 4A50 TC-3							3
YBPE 4A50 TC-4							4
YBPE 4A63 TC-1	A63	2,1/2"	63,50 (2,50)	60,20 (2,37)	1,65 (0,065)	77,50 (3,05)	1
YBPE 4A63 TC-2							2
YBPE 4A63 TC-3							3
YBPE 4A63 TC-4							4
YBPE 4A76 TC-1	A76	3"	76,20 (3,00)	72,90 (2,87)	1,65 (0,065)	91,00 (3,58)	1
YBPE 4A76 TC-2							2
YBPE 4A76 TC-3							3
YBPE 4A76 TC-4							4
YBPE 4A00 TC-1	A00	4"	101,60 (4,00)	97,39 (3,83)	2,11 (0,083)	119,00 (4,69)	1
YBPE 4A00 TC-2							2
YBPE 4A00 TC-3							3
YBPE 4A00 TC-4							4

Tri-Clamp design according to ASME BPE

Tri-Clamp material: 1.4435 - BN2

TECHNICAL INFORMATION _ CAT. N. YBPE 6A## TC-#

45° TRI-CLAMP EXTENDED CONNECTION



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

45° Tri-Clamp Fittings Upgrade. Design according to ASME-BPE regulation. Tri-Clamp machined from low ferrite and low sulphur 1.4435 material, elbow material and dimensions according to ASME BPE.

CODE	CAD SIZE	TC SIZE	A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	L1 mm (inch)	L2 mm (inch)	n° of extensions
YBPE 6A12 TC-1	A12	1/2"	12,70 (0,50)	9,40 (0,37)	1,65 (0,065)	25,00 (0,98)	44,00 (1,73)	23,50 (0,93)	1
YBPE 6A12 TC-2									2
YBPE 6A12 TC-3									3
YBPE 6A12 TC-4									4
YBPE 6A19 TC-1	A19	3/4"	19,05 (0,75)	15,75 (0,62)	1,65 (0,065)	25,00 (0,98)	44,00 (1,73)	23,50 (0,93)	1
YBPE 6A19 TC-2									2
YBPE 6A19 TC-3									3
YBPE 6A19 TC-4									4
YBPE 6A25 TC-1	A25	1"	25,40 (1,00)	22,10 (0,87)	1,65 (0,065)	50,40 (1,98)	64,00 (2,52)	38,00 (1,50)	1
YBPE 6A25 TC-2									2
YBPE 6A25 TC-3									3
YBPE 6A25 TC-4									4
YBPE 6A38 TC-1	A38	1,1/2"	38,10 (1,50)	34,80 (1,37)	1,65 (0,065)	50,40 (1,98)	77,50 (3,05)	44,00 (1,73)	1
YBPE 6A38 TC-2									2
YBPE 6A38 TC-3									3
YBPE 6A38 TC-4									4

CODE	CAD SIZE	TC SIZE	A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	L1 mm (inch)	L2 mm (inch)	n° of extensions
YBPE 6A50 TC-1	A50	2"	50,80 (2,00)	47,50 (1,87)	1,65 (0,065)	64,00 (2,52)	99,50 (3,92)	53,00 (2,09)	1
YBPE 6A50 TC-2									2
YBPE 6A50 TC-3									3
YBPE 6A50 TC-4									4
YBPE 6A63 TC-1	A63	2,1/2"	63,50 (2,50)	60,20 (2,37)	1,65 (0,065)	77,50 (3,05)	113,00 (4,45)	58,50 (2,30)	1
YBPE 6A63 TC-2									2
YBPE 6A63 TC-3									3
YBPE 6A63 TC-4									4
YBPE 6A76 TC-1	A76	3"	76,20 (3,00)	72,90 (2,87)	1,65 (0,065)	91,00 (3,58)	177,00 (6,97)	85,00 (3,35)	1
YBPE 6A76 TC-2									2
YBPE 6A76 TC-3									3
YBPE 6A76 TC-4									4
YBPE 6A00 TC-1	A00	4"	101,60 (4,00)	97,39 (3,83)	2,11 (0,083)	119,00 (4,69)	215,00 (8,47)	101,00 (3,98)	1
YBPE 6A00 TC-2									2
YBPE 6A00 TC-3									3
YBPE 6A00 TC-4									4

Tri-Clamp design according to ASME BPE

Tri-Clamp material: 1.4435 - BN2

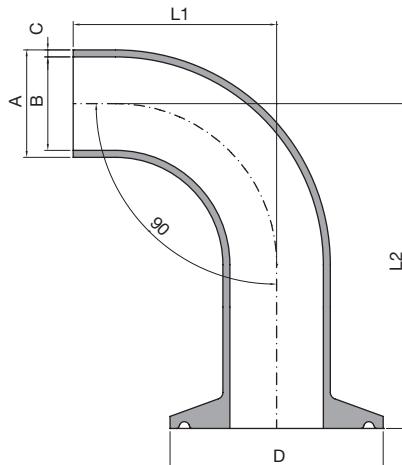
Elbow design according to ASTM® A269/270 - ASME BPE

Elbow material: AISI 316L according to ASME BPE

Optional: 1.4435 - BN2

TECHNICAL INFORMATION _ CAT. N. YBPE 8A## TC-#

90° TRI-CLAMP EXTENDED CONNECTION



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Tri-Clamp Fittings Upgrade. Design according to ASME-BPE regulation. Tri-Clamp machined from low ferrite and low sulphur 1.4435 material, elbow material and dimensions according to ASME BPE.

CODE	CAD SIZE	TC SIZE	A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	L1 mm (inch)	L2 mm (inch)	n° of extensions
YBPE 8A12 TC-1	A12	1/2"	12,70 (0,50)	9,40 (0,37)	1,65 (0,065)	25,00 (0,98)	35,50 (1,40)	48,00 (1,89)	1
YBPE 8A12 TC-2									2
YBPE 8A12 TC-3									3
YBPE 8A12 TC-4									4
YBPE 8A19 TC-1	A19	3/4"	19,05 (0,75)	15,75 (0,62)	1,65 (0,065)	25,00 (0,98)	35,40 (1,39)	48,00 (1,89)	1
YBPE 8A19 TC-2									2
YBPE 8A19 TC-3									3
YBPE 8A19 TC-4									4
YBPE 8A25 TC-1	A25	1"	25,40 (1,00)	22,10 (0,87)	1,65 (0,065)	50,40 (1,98)	48,10 (1,89)	76,50 (3,01)	1
YBPE 8A25 TC-2									2
YBPE 8A25 TC-3									3
YBPE 8A25 TC-4									4
YBPE 8A38 TC-1	A38	1,1/2"	38,10 (1,50)	34,80 (1,37)	1,65 (0,065)	50,40 (1,98)	67,20 (2,65)	95,50 (3,76)	1
YBPE 8A38 TC-2									2
YBPE 8A38 TC-3									3
YBPE 8A38 TC-4									4

CODE	CAD SIZE	TC SIZE	A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	L1 mm (inch)	L2 mm (inch)	n° of extensions
YBPE 8A50 TC-1	A50	2"	50,80 (2,00)	47,50 (1,87)	1,65 (0,065)	64,00 (2,52)	91,00 (3,58)	119,50 (4,70)	1
YBPE 8A50 TC-2									2
YBPE 8A50 TC-3									3
YBPE 8A50 TC-4									4
YBPE 8A63 TC-1	A63	2,1/2"	63,50 (2,50)	60,20 (2,37)	1,65 (0,065)	77,50 (3,05)	110,00 (4,33)	138,50 (5,45)	1
YBPE 8A63 TC-2									2
YBPE 8A63 TC-3									3
YBPE 8A63 TC-4									4
YBPE 8A76 TC-1	A76	3"	76,20 (3,00)	72,90 (2,87)	1,65 (0,065)	91,00 (3,58)	158,50 (6,24)	187,00 (7,36)	1
YBPE 8A76 TC-2									2
YBPE 8A76 TC-3									3
YBPE 8A76 TC-4									4
YBPE 8A00 TC-1	A00	4"	101,60 (4,00)	97,39 (3,83)	2,11 (0,083)	119,00 (4,69)	203,00 (7,99)	231,50 (9,11)	1
YBPE 8A00 TC-2									2
YBPE 8A00 TC-3									3
YBPE 8A00 TC-4									4

Tri-Clamp design according to ASME BPE

Tri-Clamp material: 1.4435 - BN2

Elbow design according to ASTM® A269/270 - ASME BPE

Elbow material: AISI 316L according to ASME BPE

Optional: 1.4435 - BN2

TOOLS AND SPARE PARTS

L 005
CAD Coated S.s. Ring

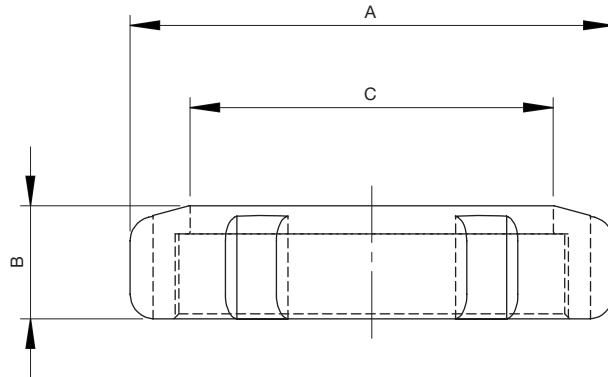
L 010
CAD Wrench

L 015
Cable for Double
Pos. Sensor

L 020
CAD Programmer

A
B
C
D
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F
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H
I
J
K
L

TECHNICAL INFORMATION _ CAT. N. YACT RING 0##0 XCOAT

CAD COATED S.S. RING

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

CAD Coated Stainless Steel Ring manufactured from solid stock in AISI 316L – 1.4404 with special anti-friction coating, engineered to achieve a perfect load on CAD Diaphragms and Actuators.

CODE	CAD SIZE	A mm (inch)	B mm (inch)	C mm (inch)
YACT-RING-0120-XCOAT	A12	42,00 (1.65)	11,60 (0.46)	29,00 (1.14)
YACT-RING-0190-XCOAT	A19	60,00 (2.36)	12,00 (0.54)	43,00 (1.69)
YACT-RING-0250-XCOAT	A25	80,00 (3.15)	15,00 (0.59)	59,50 (2.34)
YACT-RING-0380-XCOAT	A38	99,00 (3.90)	23,00 (0.91)	74,00 (2.91)
YACT-RING-0500-XCOAT	A50	119,00 (4.69)	24,00 (0.95)	95,00 (3.74)
YACT-RING-0630-XCOAT	A63	143,00 (5.63)	22,50 (0.89)	110,50 (4.35)
YACT-RING-0760-XCOAT	A76	168,00 (6.61)	26,00 (1.02)	127,50 (5.02)
YACT-RING-0000-XCOAT	A00	198,00 (7.80)	26,00 (1.02)	158,00 (6.22)

SPECIFICATION:

MATERIAL	AISI 316L – 1.4404 + COATING
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Design Temperature: -80 to 200 °C (-112 to 392 °F)

Application Areas: SAFE

Design Pressure: -1 to 10 bar (-14.5 to 145 psi)

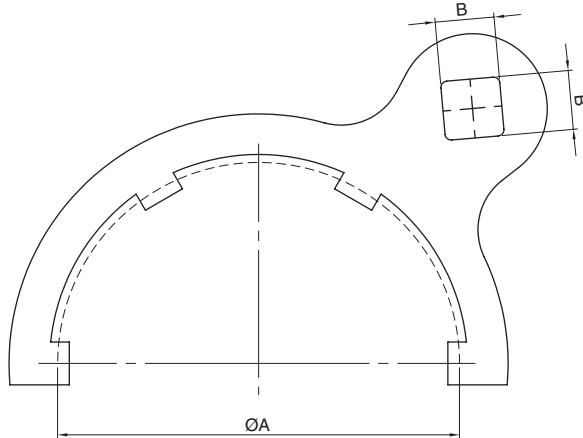
Note: The applied actuator and diaphragm may have different design temperature and/or pressure limits. The weakest component determines the maximum design temperature and pressure limits, when they are assembled.

Packaging: CAD Ring is sealed in plastic bags and packaged in a closed box

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. YACT WRSS 0##0 0000S

CAD WRENCH

Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

CAD Wrench, manufactured from solid stock in AISI 316L – 1.4404, engineered to achieve a perfect load on CAD Diaphragms and Actuators. Minimum torque level as indicated in the following table.

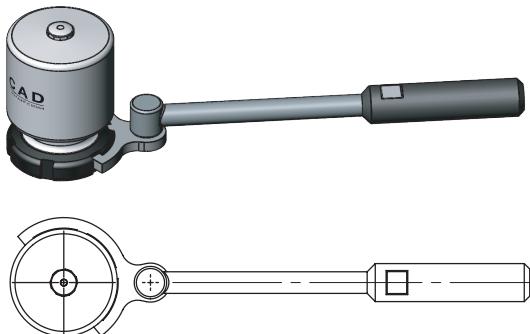
CODE	CAD SIZE	A mm (inch)	B mm (inch)	PTFE min.torque Nm (lbf-ft)	EPDM min.torque Nm (lbf-ft)	SILICONE min.torque Nm (lbf-ft)
YACT- WRSS -0120-0000S	A12 (1/2")	42,00 (1.65)	12,70 (1/2")	90 (66)	60 (44)	60 (44)
YACT- WRSS -0190-0000S	A19 (3/4")	60,00 (2.36)	12,70 (1/2")	130 (95)	80 (59)	80 (59)
YACT- WRSS -0250-0000S	A25 (1")	80,00 (3.15)	12,70 (1/2")	140 (103)	90 (66)	90 (66)
YACT- WRSS -0380-0000S	(3/4")	99,00 (3.90)	12,70 (1/2")	150 (110)	100 (74)	100 (74)
YACT- WRSS -0500-0000S	A50 (2")	119,00 (4.69)	12,70 (1/2")	190 (140)	110 (81)	110 (81)
YACT- WRSS -0630-0000S	A63 (2.1/2")	143,00 (5.63)	12,70 (1/2")	200 (148)	120 (89)	120 (89)
YACT- WRSS -0760-0000S	A76 (3")	168,00 (6.61)	12,70 (1/2")	220 (162)	130 (96)	130 (96)
YACT- WRSS -0000-0000S	A00 (4")	198,00 (7.80)	12,70 (1/2")	240 (177)	NOT AVAILABLE	NOT AVAILABLE

SPECIFICATION:

MATERIAL	AISI 316L – 1.4404
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Correct use: Keep torque tool aligned with CAD Wrench as shown, to apply the correct torque.

Torque tool not included. Standard torque tool with standard 1/2" socket can be used.



Additional information: After first or second SIP cycle, please check torque level or tight again CAD Ring.

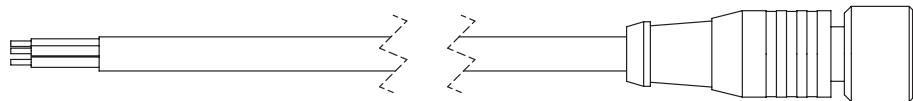
Packaging: CAD Wrench is sealed in plastic bags and packaged in a closed box.

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Orders and Information: For additional information or to place an order call your nearest Distributor or visit www.rattiinox.com

TECHNICAL INFORMATION _ CAT. N. YACT SEND 0XC0 X0000

CABLE FOR DOUBLE POS. SENSOR



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

Cable for CAD Double Position Sensor, genuine cable to provide power supply to CAD Sensor, arrange remote programming via PLC and transmit open and close position of the actuator where sensor is installed.

CODE	SUITABLE FOR CAD SENSOR	Lenght mm (inch)
YACT-SEND-0XC0-X0000	XACT-SEND-0XX0-X0000	4,00 (157)

SPECIFICATION:

MATERIAL	PVC
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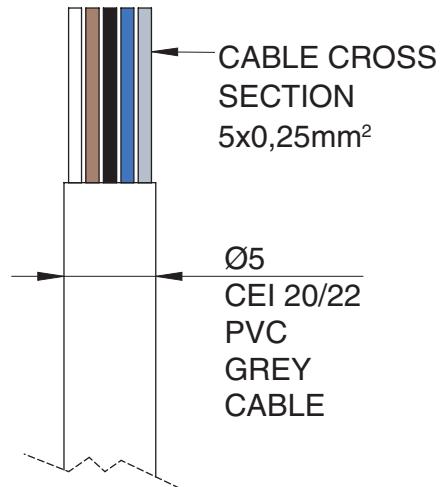
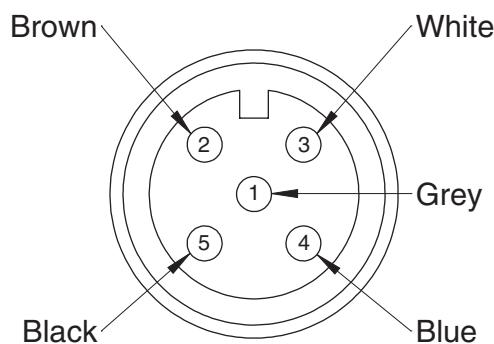
Design Temperature: -10 to 60 °C (14 to 140 °F)

Application Areas: SAFE

Packaging: CAD Cable is sealed in plastic bags and packaged in a closed box

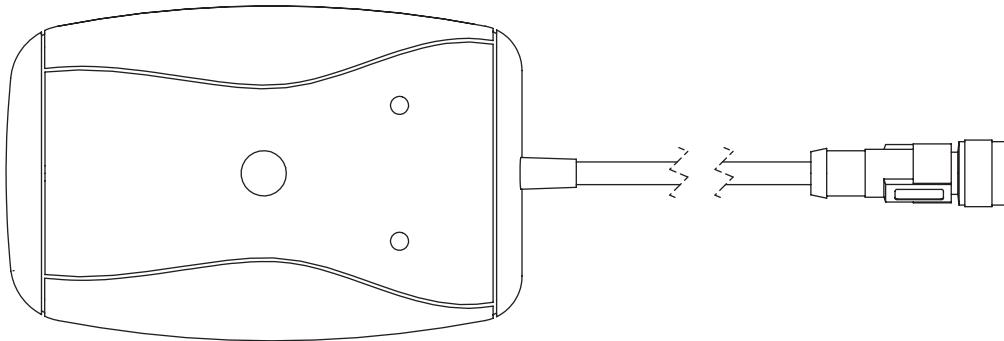
Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com

**CONNECTION DIAGRAM
5 POLES FEMALE**


TECHNICAL INFORMATION _ CAT. N. YACT SENP 0XC0 X0000

CAD PROGRAMMER



Clean and Aseptic Valves of CAD Product Line have simple and safe design, with their full drainability, without asymptotic seal and dead leg, are offering fast cleanability and sterilization practices. They are designed to fulfil stringent demands of CIP-SIP and Production Cycles on Aseptic Processing.

CAD Programmer is a useful tool for fast and easy programming of CAD Double Position Sensor also while the valve is working. After connecting to the sensor, programming can be achieved just pushing 3 times the single pulsant: once to start programming, then for save closure point detection when actuator is on closed position and then a third time for saving the open position when the actuator is in correspondence of the open position. This programming require just few seconds

CODE	SUITABLE FOR CAD SENSOR	Cable Length mm (inch)
YACT-SENP-0XC0-X0000	XACT-SEND-0XX0-X0000	2,00 (79)

SPECIFICATION:

MATERIAL	ABS
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Design Temperature: 10 to 40 °C (50 to 104 °F)

Application Areas: SAFE

Power Supply: 9V Battery included

Packaging: CAD Programmer is sealed in plastic bags and packaged in a closed box

Quality Control: Quality Assurance System guarantees the control and traceability of the product.

Orders and Information: For additional information or to place a order call your nearest Distributor or visit www.rattiinox.com