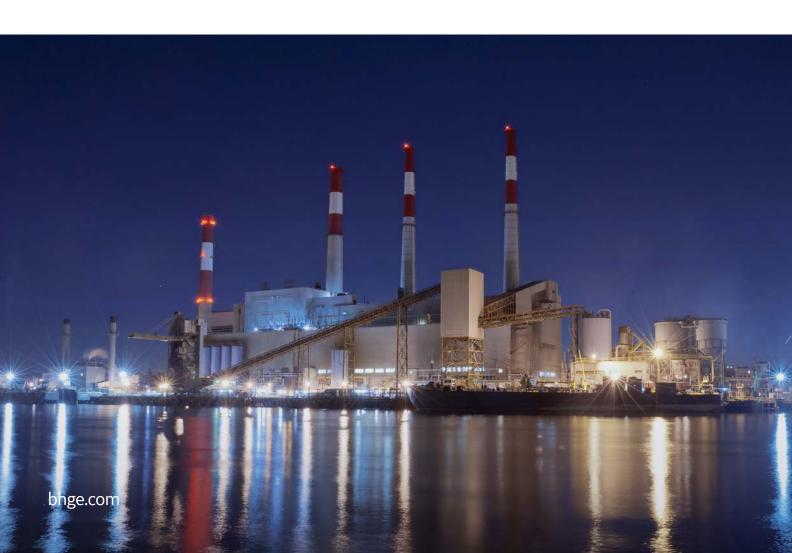


# Masoneilan\* Power Industry Control Solutions



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# Valve Solutions and Services for the Energy Industry

BHGE provides the most complete control valve portfolio for the power industry with its wide range of engineered products and general service control valves. BHGE's valve technology, digital instrumentation, and advanced diagnostics will improve plant efficiency and reduce costly unplanned down time.

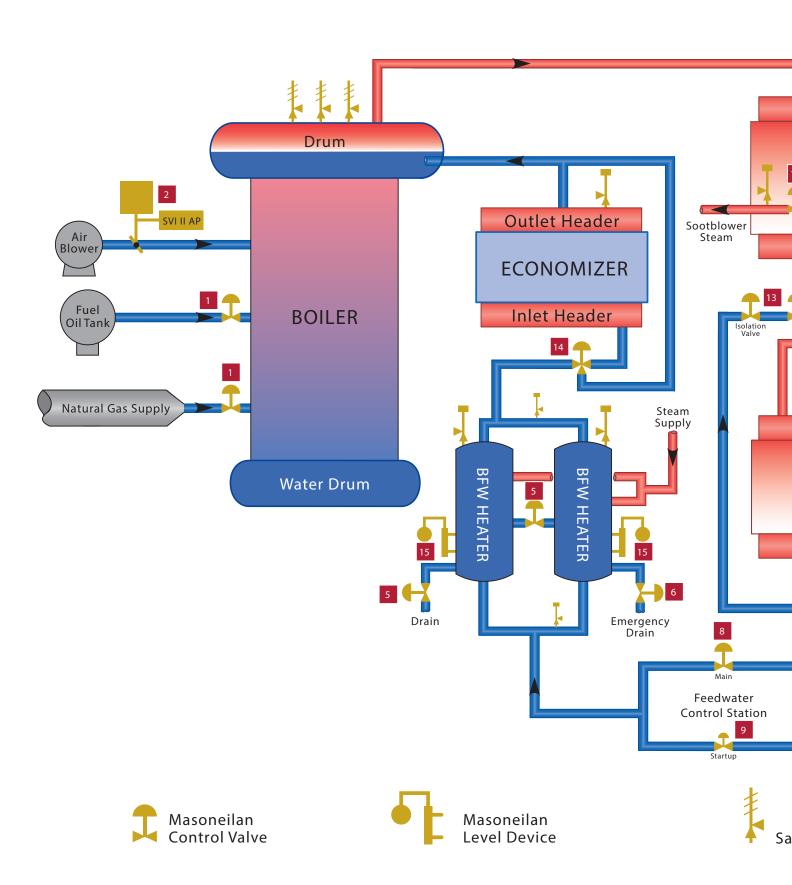


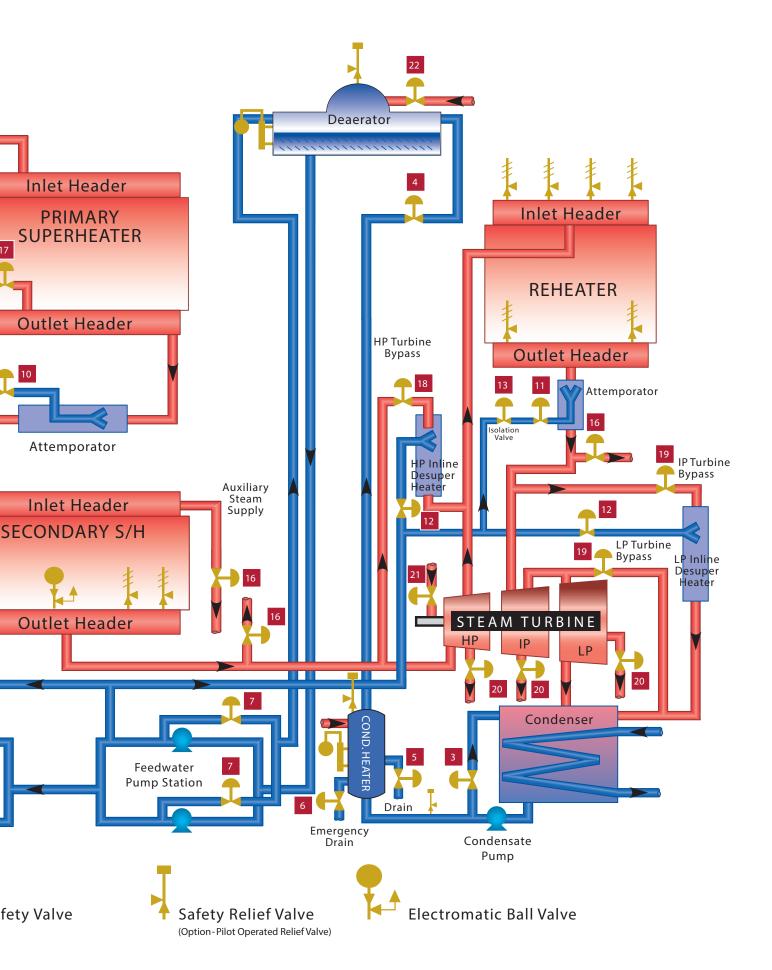
#### Innovation by Design

BHGE's Masoneilan Products created and patented the automatic governor for controlling steam pumps in 1883. Over the last 130 years, the brand has pioneered numerous industry firsts in technology and standards for the control valve industry including the standard measure of valve capacity, Lo dB trim, and unique engineered technology for the entire energy industry. BHGE is here to provide the most effective technology and the complete solution for your plant.

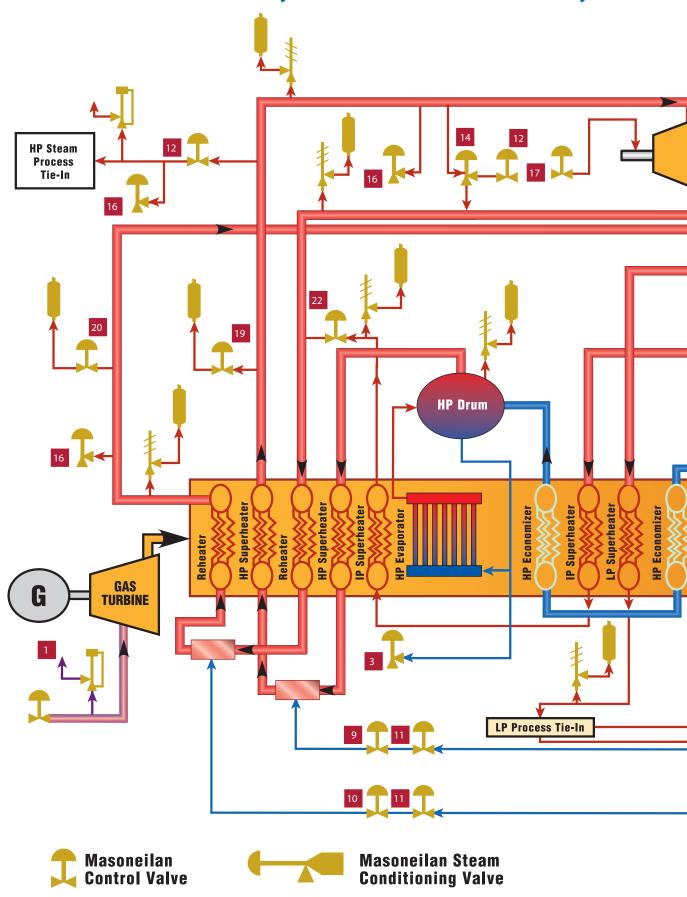


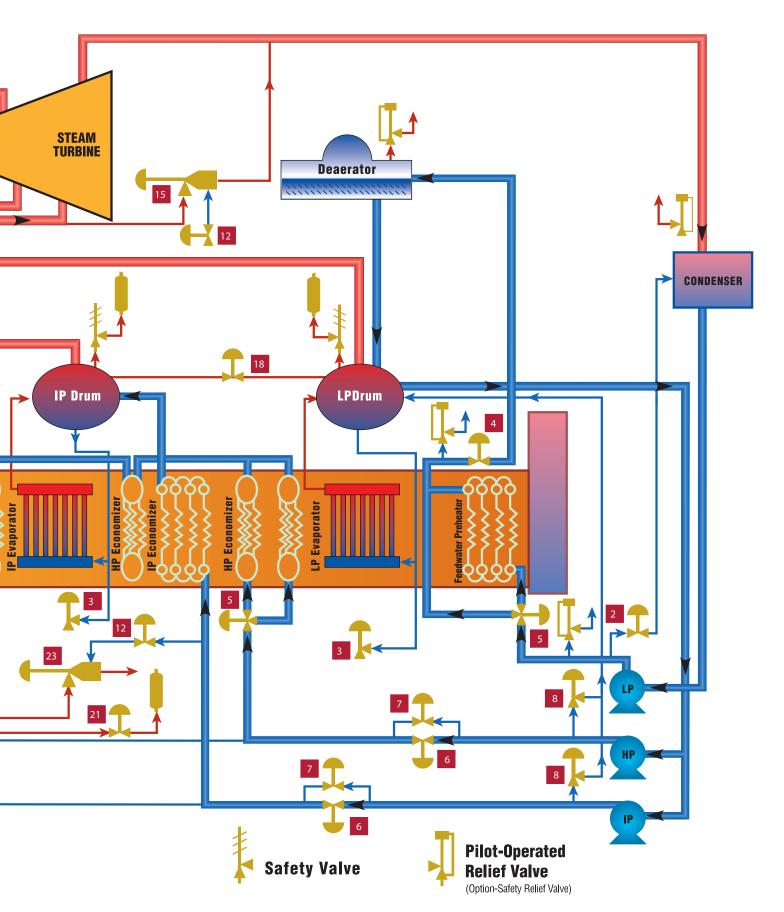
## Typical Fossil Fuel Power Plant System





## Typical Combined-Cycle Power Plant System





#### **Fossil Fuel Power Plant Typical Applications**

	Applications	Key Considerations	Valve Recommendations	Page
		Auxiliary Syste	ns	
1	Fuel Oil or Gas Control	Large Flows, Wide Control Range, Noise	35002 Camflex*	18
		wide Control Range, Noise	21000, 41005	12, 14, 17
2	Air Damper	Precision Control, Diagnostics Feedback	SVI* II AP & SVI FF	23
		Condensate Syst	tem	
3	Condensate	Flashing, Erosion, Cavitation,	21000 (1 or 2 Stage Anti-Cavitation Trim)	13
	Recirculation	Tight Shutoff	41005 (1 or 2 Stage Anti-Cavitation Trim)	14-15
4	Deaerator Level Control	Large-Load Fluctuation, Low-Load Cavitation, High Rangeability	41005 (1 or 2 Stage Characterized Anti-Cavitation Trim)	14-15
5	Cond./BFW Continuous	Saturated Water,	35002 Camflex (Low Pressure)	18
	Heater Drain	Flashing, Erosion	21000A (High Pressure)	12-13
6	Cond./BFW Emergency Heater Drain	Tight Shutoff, High Erosion, Flashing Water	41005	14-15
		BFW System		
7	Boiler Feed Pump	High-Pressure Drops, Cavitation, Erosion,	78400/18400 LincolnLog*	21
,	Recirculation	Tight Shutoff	41005 (VRT* Type C Trim)	14-15
8	Main Feedwater Regulator	High Pressure, Varying Pressure Drops, Large Flows	41005 Standard Trim (VRT Type S Partial Stack Trim or 1/2 Stage Characterized Anti-Cavitation Trim)	14-15
9	Start-up Feedwater	High-Pressure Drops,	78400/18400 LincolnLog	21
	Regulator	Cavitation, Vibration	41005 (VRT Type C Trim)	14-15
10	Superheater	High Pressure, High Rangeability,	21000, 41005	12-15
	Attemperator Spray	Tight Shutoff	78400/18400 LincolnLog	21
11	Reheater Attemperator Spray	High Pressure Drop, High Rangeability, Tight Shutoff, Cavitation	21000, 78400/18400 LincolnLog	12, 21

#### **Fossil Fuel Power Plant Typical Applications**

	Applications	Key Considerations	Valve Recommendations	Page
		BFW System (co	nt.)	
12	Turbine Bypass	High-Pressure Drop,	21000, 41005	12-15
12	Attemperation	High Rangeability, Tight Shutoff, Cavitation	78400/18400 LincolnLog	21
13	Spraywater Isolation Valves	High Pressure, Tight Shutoff	21000, 41005	12-15
14	HP Economizer/FW Preheater Bypass	Large Flow, High Pressure	80000	16
15	Heater Level Control System	High-Pressure Drop High Rangeability Cavitation, Level Fluctuation	21000, 41005, 12400 DLT/C	12-15, 22
		Steam Systen	n	
		High Pressure/High-Pressure	48000	20
16	Auxiliary Steam	Drops, High Temperature, Wide-Load Fluctuation, High Noise	41005 (1 or 2 Stage Lo-dB* Trim)	14-15
			21000 (1 or 2 Stage Lo-dB Trim)	12-13
	High Cycle, High Temperature, High Flow Rates,		48000	20
17			41005 (1 or 2 Stage Lo-dB Trim)	14-15
	Tight Shutoff	21000 (1 or 2 Stage Lo-dB Trim)	12-13	
		High Pressure/High-Pressure	48000	20
18	HP Turbine Bypass	Drops, High Temperature, Tight Shutoff, High Noise	41005 (1 or 2 Stage Lo-dB Trim)	14-15
			84003 SteamForm	21
19	ID/I D Turbing Dynago	Moderate Pressure/Large Flows,	41005 (1 or 2 Stage Lo-dB Trim)	14-15
19	IP/LP Turbine Bypass	High Temperature, Tight Shutoff, High Noise	84003 SteamForm	21
20	Main/Reheat Steam and Turbine Drains	High Pressure, Tight Shutoff, Erosion	21000, 21000A	12
21	Turbine Seal Pressure	High-Pressure Drop, Noise, High Rangeability	21000, 41005	12-15
22	Deaerator	Noise, Wide Rangeability,	41005 (1 or 2 Stage Lo-dB Trim)	14-15
	Pegging Steam Erosion, Saturated Steam	· ·	48000	20

#### **Combined-Cycle Power Plant Typical Applications**

	Applications	Key Considerations	Valve Recommendations	Page
		Auxiliary Syste	ms	
1	Fuel Gas Control	Large Flows,Wide Control Range,	35002 Camflex* II	18
1	ruei das Control	Noise	21000, 41005	12, 16, 17
		Condensate Sys	tem	
_	Condensate Pump	Flashing, Erosion, Cavitation,	21000 (1 or 2 Stage Anti-Cavitation Trim)	12-13
2	Recirculation	Tight Shutoff	41005 (1 or 2 Stage Anti-Cavitation Trim)	14-15
7	HP/IP/LP Cond.	Saturated Water,	21000A (Stellite Venturi)	12-13
3	Blowdown	Flashing, Erosion	35002 Camflex II (Stellite Venturi)	18
4	Deaerator Level Control	Large-Load Fluctuation, Low-Load Cavitation, High Rangeability	41005 (1 or 2 Stage Characterized Anti-Cavitation Trim)	14-15
	BFW System			
5	HP Economizer/FW Preheater Bypass	Large Flow, High Pressure	80000	16
6	HP/IP/LP Boiler Drum Level Control	High Pressure, Varying Pressure Drops, Large Flows	41005 Standard Trim (VRT Type S or ½ Stage Characterized Anti-Cavitation)	14-15
_	HP/IP Startup Boiler	High-Pressure Drops,	78400/18400 LincolnLog*	21
7	Drum Level Control	Cavitation, Vibration	41005 (VRT Type C Trim)	14-15
8	HP/IP Boiler Feedpump	High-Pressure Drops, Erosion Cavitation,	78400/18400 LincolnLog	21
0	Recirculation	Tight Shutoff	41005 (VRT Type C Trim)	14-15
9	Superheater	High Pressure, High Rangeability,	21000, 41005	12-15
9	Attemperator Spray	Tight Shutoff	78400/18400 LincolnLog	21
10	Reheater	High-Pressure Drop, High Rangeability,	21000, 41005	12-15
10	Attemperator Spray	Tight Shutoff, Cavitation	78400/18400 LincolnLog	21
11	Spraywater Isolation Valves	High Pressure, Tight Shutoff	21000, 41005	12-15
42	Turbine Bypass	High-Pressure Drop,	21000, 41005	12-15
12	Attemperation  High Rangeability,  Tight Shutoff, Cavitation	78400/18400 LincolnLog	21	

#### **Combined-Cycle Power Plant Typical Applications**

	Applications	Key Considerations	Valve Recommendations	Page
		Steam Systems		
13	17 Dunasas Chasus DDV	High Pressure/High-Pressure Drops, High Temperature,	48000	20
	riocess steam rick	Wide-Load Fluctuation, High Noise	41005 (1 or 2 Stage Lo-dB Trim)	14-15
		nigii Pressure/nigii-Pressure Drops,	48000	20
14	HP Turbine Bypass	High Temperature, Tight Shutoff,	41005 (1 or 2 Stage Lo-dB Trim)	14-15
		High Noise	84003 SteamForm*	21
15	IP/LP Turbine Bypass	Moderate Pressure/Large Flows, High Temperature,	41005 (1 or 2 Stage Lo-dB Trim)	14-15
		Tight Shutoff, High Noise	84003 SteamForm	21
16	Main/Reheat Steam and Turbine Drains	High Pressure, Tight Shutoff, Erosion	21000, 21000A	12-13
17	Turbine Seal Pressure	High-Pressure Drop, Noise, High Rangeability	21000, 41005	12-15
18	LP Pegging Steam	Noise, Erosion, Wide Rangeability, Saturated Steam	41005 (1 or 2 Stage Lo-dB Trim)	14-15
	Superheat	High Pressure/High-Pressure Drops, High Temperature,	48000	20
19	Atmospheric Vent	High Noise/Velocity, Trash	41005 (1 or 2 Stage Lo-dB Trim w/ silencer)	14-15
20	Reheat Atmospheric Vent	Moderate Pressure/ High-Pressure Drops, High Temperature, High Noise/Velocity, Trash	41005 (1 or 2 Stage Lo-dB Trim w/ silencer)	14-15
21	LP Process Tie-In Atmospheric Vent	Large Flow Rates, High Noise/Velocity, Trash	41005 (1 or 2 Stage Lo-dB Trim w/ silencer)	14-15
22	IP Superheat Stm. To Cold Reheat	Moderate Pressure, High Temperature, Wide Load Fluctuation, High Noise	41005	14-15
23	LP Process Tie-In	Low Pressure, Large Flow Rates High Noise	84003 SteamForm	21

## Power Industry Solutions Reciprocating Control Valves

#### **21000 Series**

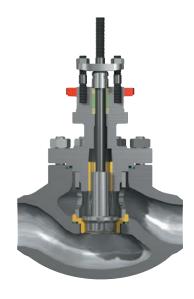
#### **Top-Guided Globe/Angle Valve**

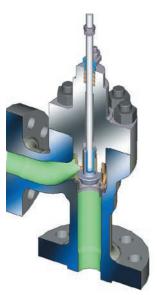
The 21000 series single-ported, heavy top-guided control valves are designed with the versatility to handle a wide variety of power process applications. This includes optional trim designs for anti-cavitation and noise reduction.

Sizes:	3/4" through 8"
ANSI Ratings:	Class 150 through 2500
ANSI Leakage:	Class IV, V, VI
Cv Range:	.11 to 640
Temperature Range:	-150°F to 1050°F
Materials:	Carbon Steel, stainless steel, chrome-moly, other alloys
Connections:	NPT, flanged, socket weld, butt weld
Actuators:	Multi-spring diaphragm, piston cylinder
Applications:	Low pressure steam & water, general services, flash tank, fuel gas, condensate recirculation, superheater and reheat spray, desuperheater water spray, gland-steam pressure, soot blower, steam pressure, auxiliary steam









#### **Heavy Top-Guiding**

- Larger post-guide area vs. other globe valve designs
- Located away from flowstream
- Providing better stability and control

#### Various Trim Options

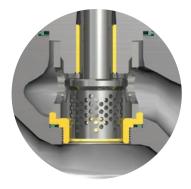
- Single- and double-stage low-noise and anti-cavitation trim
- Hardened-trim standard
- Quick-change or threaded-seat rings
- Reduced-capacities and microflow trim
- Equal percentage and linear contours
- Stellite Venturi seat
- Soft seat design

#### **Design Flexibility**

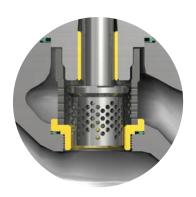
- Multiple-end connections
- Various materials
- Angle-body configuration
- Bellows seal design
- Piston-actuation option
- Extension bonnet
- Low-emission packing
- DIN version available



Specifications	Lo-dB*	Anti-Cavitation
Sizes:	3/4" through 6"	3/4" through 4"
ANSI Ratings:	Class 150 through 2500	Class 150 through 2500
Single Stage:	4 to 200	4 to 200
2 Stage:	3.5 to 125	2.3 to 62



Single Stage Anti-Cavitation Trim/Lo-dB trim



2 Stage Anti-Cavitation Trim/Lo-dB trim

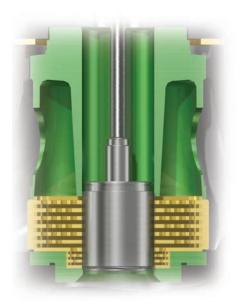
## Power Industry Solutions Reciprocating Control Valves

#### 41005 Series - Cage-Guided Globe/Angle Valve

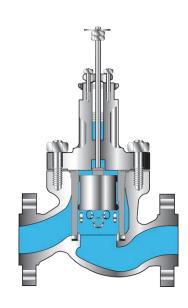
The 41005 series cage-guided control valves are designed for high performance and to exceed the limits of other conventional valves. With numerous trim configurations (including Lo-dB\* and anti-cavitation) and the ability to handle large pressure drops, the 41000 Series can be applied in a variety of severe services.

Sizes:	2" through 24"
ANSI Ratings:	Class 150 through 2500
ANSI Leakage:	Class III, IV, V
Cv Range:	10 to 6600
Temperature Range:	-320°F to 1050°F
Materials:	Carbon Steel, stainless steel, chrome-moly, other alloys
Connections:	NPT, flanged, socket weld, butt weld
Actuators:	Multi-spring diaphragm, piston cylinder
Applications:	Auxiliary steam, boiler feedwater, condensate recirculation, deaerator pegging steam, deaerator level control, turbine bypass, and soot blower









#### **Trim Options**

#### VRT Type S Stack Trim

Well-suited for incompressible fluids, such as feed-pump recirculation, injection-valve bypass, and boiler feedwater. Engineered to provide anti-cavitation for applications with pressure drops of up to 6000 psi.

#### VRT Type C Cage Trim

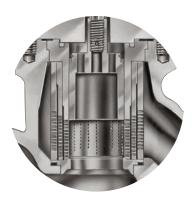
Designed to handle high pressure drops in severe-service applications for incompressible fluids. Complete cavitation protection is available for pressure drops up to 3000 psi.

#### Single-Stage Trim

Providing excellent noise attenuation on gas or steam services and cavitation protection on liquid services.



VRT Type S Trim



VRT Type C Trim



Lo-dB Single-Stage Trim

#### Multi-Stage Trim

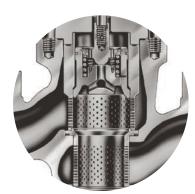
Providing excellent noise attenuation on gas or steam services and cavitation protection on liquid services.



Lo-dB Double-Stage Trim

#### Pilot-Balanced Trim

Providing tight shut-off on liquid, gas, or steam services.



Pilot Trim

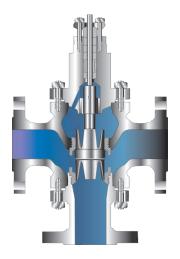
## Power Industry Solutions Reciprocating Control Valves

#### **80000 Series**

#### **3-Way Diverting or Combining Valve**

The 80000 Series is a three-way control valve designed for either combining or diverting applications. It is well-suited for applications requiring high capacities with low-pressure recovery.

Sizes:	1" through 10"
ANSI Ratings:	Class 150 through 2500
ANSI Leakage:	Class II, III, IV
Cv Range:	9 to 750
Temperature Range:	-20°F to 850°F
Materials:	Carbon Steel, stainless steel
Connections:	Flanged, socket weld, butt weld, RJT, threaded
Actuators:	Multi-spring diaphragm, piston cylinder
Applications:	Heat exchangers







## Power Industry Solutions Rotary Control Valves

#### 35002 Series Camflex\* II Eccentric Plug

As the original eccentric-plug rotary valve, the Camflex combines top performance and features with an extremely economical design. The Camflex, which offers enormous versatility and broad application, remains the most widely used eccentric-plug control valve in the world and now features the EF seal solution to reduce fugitive emissions.

Sizes:	1" through 16"
ANSI Ratings:	Class 150 through 600
ANSI Leakage:	Class IV, VI
Cv Range:	2.8 to 3650
Materials:	Carbon steel, stainless steel, chrome moly
Connections:	NPT, flangeless bolted, flanged
Actuators:	Spring-diaphragm, pneumatic cylinder
Applications:	Heater drain, general service, low pressure steam, flash tank



#### 36005 Series V-Max\* Control Ball

The 36005 V-Max is a high-capacity, control-ball valve with a patented dual-characterized, segmented-ball design combining high-Cv ratings with exceptional 500:1 turndown. It is an excellent solution for both high-viscosity fluid applications (i.e. pulp and paper industry) as well as processes requiring very high capacity balanced with accurate control. Standard features also include the environmental packing (EF) seal.

Sizes:	1" through 12"
ANSI Ratings:	Class 150 through 300
ANSI Leakage:	Class IV or VI
Cv Range:	55 to 4400
Materials:	Carbon steel, stainless steel
Connections:	Flanged
Actuators:	Spring-diaphragm, Scotch yoke cylinder
Applications:	High-viscosity fluid and high-capacity applications.



#### 33000 Series Triple Offset Butterfly Valve

The 33000 Series Triple Offset Butterfly Valve incorporates new performance enhancing operational features, allowing for a more simplified manufacturing process. The result is exclusive patented range of superior performance zero leakage bi-directional triple offset butterfly valves, suitable for extreme pressure/temperature applications.

Sizes:	3" through 48"
ANSI Ratings:	Class 150 through 600
ANSI Leakage:	Class IV, V, VI and API 598
Cv Range:	98 to 66,400
Materials:	Carbon steel, Stainless steel, Duplex
Connections:	Wafer, Lugged, Double Flanged Short & Long Pattern
Actuators:	Model 31/32 Spring Diaphragm, Model 33 Spring Diaphragm
Applications:	High-viscosity fluid and high-capacity applications



#### **39003 Series High-Performance Butterfly Valve**

The Masoneilan 39003 Series High-Performance Butterfly Valve (HPBV) is designed for exceptional performance, application flexibility and long service life. This automatic-throttling control valve offers benefits such as enhanced sealing, double-offset operation, excellent flow characteristics, accurate positioning, and dynamic operation.

Sizes:	3" through 48"
ANSI Ratings:	Class 150 through 600
ANSI Leakage:	Class IV or VI
Cv Range:	185 to 91000
Materials:	Carbon steel, stainless steel
Connections:	Flangeless, Lugged, Double Flanged
Actuators:	Spring diaphragm, Pneumatic rack and pinion, Scotch yoke cylinder
Applications:	High-viscosity fluid and high-capacity applications.

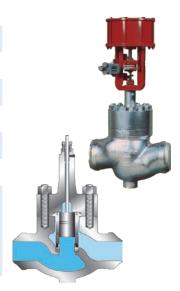


## Power Industry Solutions Severe Service Control Valves

#### **48000 Series Cage-Guided Control Valve**

The 48000 Series control valves are designed especially for high-temperature and high-pressure steam services where the cages tend to be deformed due to high heat-cycle frequency or thermal stress from sudden changes in temperature.

Sizes:	2" through 10"
ANSI Ratings:	1500 through 2500
ANSI Leakage:	Class II, III, IV, V
Cv Range:	3.8 to 640
Materials:	Carbon steel, Chrome-moly, Low-alloy steel
Connections:	SW, BW, flanged (RF, RTJ)
Actuators:	Cylinder
Applications:	Turbine bypass, boiler auxiliary steam pressure, turbine-gland steam pressure, soot-blower steam pressure, main air-ejector steam pressure



## 49000 Series Globe and Angle Style with Lo-dB\* or V-Log\* Trim

The 49000 Series is designed with enlarged body galleries to accommodate large stroke lengths and up to 36 stages of pressure reduction.

Sizes:	4" through 36"	
ANSI Ratings:	Class 150 through 2500 UNI-DIN 10 through 400	
ANSI Leakage:	Class III, IV or V	
Cv Range:	6 to 4,910	
Materials:	Carbon steel, stainless steel, chrome-moly	
Connections:	Flanged, BW	
Actuators:	Multi-spring, piston cylinder	
Applications:	Boiler feed water-start-up and control, steam letdown, pump-discharge, water-reinjection, gas-recycle and vent applications	



#### 78400/18400 Series LincolnLog\*

The Masoneilan LincolnLog is the premier high-pressure liquid-letdown valve in the process control industry. It is a field proven severe-service solution for cavitating and erosive applications in various industries. The LincolnLog is uniquely designed to operate reliably in harsh environments and dirty liquids.

Sizes:	1" through 8"
ANSI Ratings:	Class 600 through 2500
ANSI Leakage:	Class IV, V or VI
Cv Range:	0.5 to 135
Materials:	Carbon steel, 316 stainless steel, chrome-moly, others
Connections:	RFF, RTJ, socket weld, butt weld, threaded-print flanges (forgings)
Actuators:	Multi-spring diaphragm, piston cylinder
Applications:	Cavitating and erosive applications in various industries



#### 79003 Series Angle Style with VRT\* Trim

The 79003 Series valves are designed for anti-cavitation service with control over a wide range of operating conditions, such as the ramp-up transition of a normal feedwater pump.

Sizes:	1" through 6"
ANSI Ratings:	Class 600 through 2500 UNI-DIN 100 through 400
ANSI Leakage:	V or VI
Cv Range:	2 to 105
Materials:	Carbon Steel, stainless steel, chrome-moly
Connections:	Flanged, butt weld
Actuators:	Multi-spring diaphragm, piston cylinder
Applications:	Feedwater control, feedwater pump start-up valve



#### 84003 Series SteamForm\*

The 84003 Series SteamForm is designed with a wide range of features including a patented water-injection system for best performance in steam-conditioning applications.

Sizes:	Trim: 3" through 24"   Pipe: 3" through 48"
ANSI Ratings:	Class 150 through 2500 UNI-DIN 10 through 400
ANSI Leakage:	Class II, III, IV, or V
Cv Range:	25 to 6,740
Materials:	Carbon Steel, Chrome-moly
Connections:	Flanged, butt weld
Actuators:	Spring-diaphragm, piston cylinder
Applications:	Turbine bypass, Process steam conditioning

## Power Industry Solutions Smart Instrumentation

#### **SVi1000 - Digital Valve Positioner**

The SVi1000 is a user-friendly 4-20mA with HART® digital valve positioner for single-acting pneumatic control valves. Leveraging many of the same technologies from the SVI II AP, the SVi1000 is perfect for those that need a low maintenance valve positioner, and an ideal candidate for upgrading legacy electro-pneumatic positioners. Designed to be installed and operational in less than 5 minutes, the SVi1000 is easily through its "One button, one function" local pushbuttons or via its powerful DTM interface and ValVue\* software.



Communication Platform:	HART <sup>®</sup>		
	4-20 mA control signal		
Signal - Supply:	No external power required		
	Supply pressure:	20 - 100 psi, (1.4 - 7 bar)	
Communication Software Interface:	<ul><li>ValVue standalone</li><li>Integrated (PLUG-IN, S</li><li>eDDL or DTM</li></ul>	NAP-ON, FDM)	
Hazardous Area Certifications:	ATEX, FM, IEC, CU TR, KO	SHA approvals	

#### **SVI\* II AP - Advanced Performance Digital Positioner**

The Masoneilan Smart Valve Interface Advanced Performance (SVI II AP) product is an intelligent digital valve positioner. SVI II AP offers advanced control technology for pneumatically actuated valves with a non-contact Hall Effect sensor, providing higher precision and reliability, greater flexibility and ease of use. ValVue\*3 is a communication software tool used to configure, calibrate and perform valve diagnostics with the SVI II AP utilizing HART® communications protocol.



Communication Platform:	HART <sup>®</sup>		
	4-20 mA control signal		
Signal - Supply:	No external power required		
	Supply pressure:	20 - 100 psi, (1.4 - 7 bar)	
Communication Software Interface:	<ul> <li>ValVue 3 standalone</li> <li>Integrated (PLUG-IN, S</li> <li>eDDL or DTM</li> </ul>	SNAP-ON, FDM)	
Hazardous Area Certifications:	ATEX, FM, IEC, CU TR, KO	SHA approvals	

#### SVI\* FF Advanced FOUNDATION® Fieldbus Positioner

The SVI FF is an advanced performance positioner with FOUNDATION® protocol, for single and double-acting pneumatic control valves, its universal and modular design with a proven non-contact position sensor fits many applications, offering high performance valve control with real-time diagnostics.



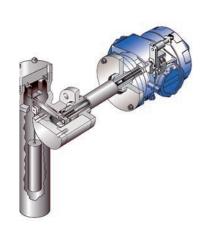
Communication Platform:	FOUNDATION® Fieldbus		
	FOUNDATION® Fieldbus		
Input Signal:	No external power required		
input signai:	Supply pressure: (single and double acting)	20 - 150 psi (1.4 - 10.3 bar)	
Communication Software Interface:	<ul> <li>ValVue FF standalone</li> <li>Integrated (PLUG-IN, SNAP-ON)</li> <li>eDDL or DTM</li> </ul>		
Hazardous Area ertifications:	<ul> <li>ATEX, FM, CU TR, KOSHA, NEPSI, INMETRO and CSA approvals</li> <li>Explosion proof &amp; intrinsically safe</li> </ul>		

#### Level Transmitter/Controller

#### 12400 Series Digital Level Transmitter/Controller

The Masoneilan 12400 Series Instrument is a two-wire, loop-powered digital displacement-type level transmitter or controller with HART® Communication. This high-performance instrument is easily set up and calibrated by using either ValVue\* communication software, EDDL, DTM, a hand-held communicator, or local pushbuttons and digital display. This versatility allows the operator to configure, calibrate, and perform other functions either at the instrument or from the control room.

Range:	14" through 120", (355 through 3048 mm)		
Ratings and	Flanged:	ANSI 150 - 2500	
		UNI-DIN 10 - 100	
Connections:	Screwed:	NPT-F (1.5", 2")	
	Welded		
	Carbon steel		
<b>Body Materials:</b>	Stainless steel		
	Chrome-moly		
Displacer Materials:	Stainless steel		
	Other materials on request		
	Inconel		
Torque Tube Materials:	Stainless steel		
	Other materials on request		
	HART® protocol		
Electronic Instrument:	4 - 20 mA signal		
	ATEX, FM, JIS, CU TR, CSA, CRN, IEC, INMETRO, CCOE, NEPSI, IA, TAIWAN TS between main approvals		



#### ValVue\* 3 Device Diagnostics & Configuration Tool

#### **Key Features:**

- Common interface for all instruments
- · Time stamped Audit Trail provides full documentation of all changes managed by the application
- · Automatic device monitoring with NAMUR 107 compliant alerts
- Provide specific task authorization with user level access control
- · Easy PDF Report generation

#### Benefits:

- Automates standard device commissioning steps with Sequencer to get more done, consistently and accurately
- · Enables easy compliance validation for audit reports
- Enhances security by requiring user authentication
- · Shorter training cycles by using the same basic interface for all field devices

ValVue 3 is powerful and user-friendly interface designed for set-up and diagnostics of control valves equipped with an SVI II AP, SVi1000, SVI FF, SVI II ESD, FVP or 12300/12400 Digital Level Transmitters/Controllers. ValVue enhances the diagnostics capabilities of your control valves and improves asset efficiency when setting up a digital valve positioner or level transmitter. It offers electronic documentation of configuration and calibration results as well as valve signature analysis. These solutions reduce the complexity in commissioning Foundation Fieldbus or HART digital valve positioners and transmitters.

#### **DIRECT SALES OFFICE LOCATIONS**

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