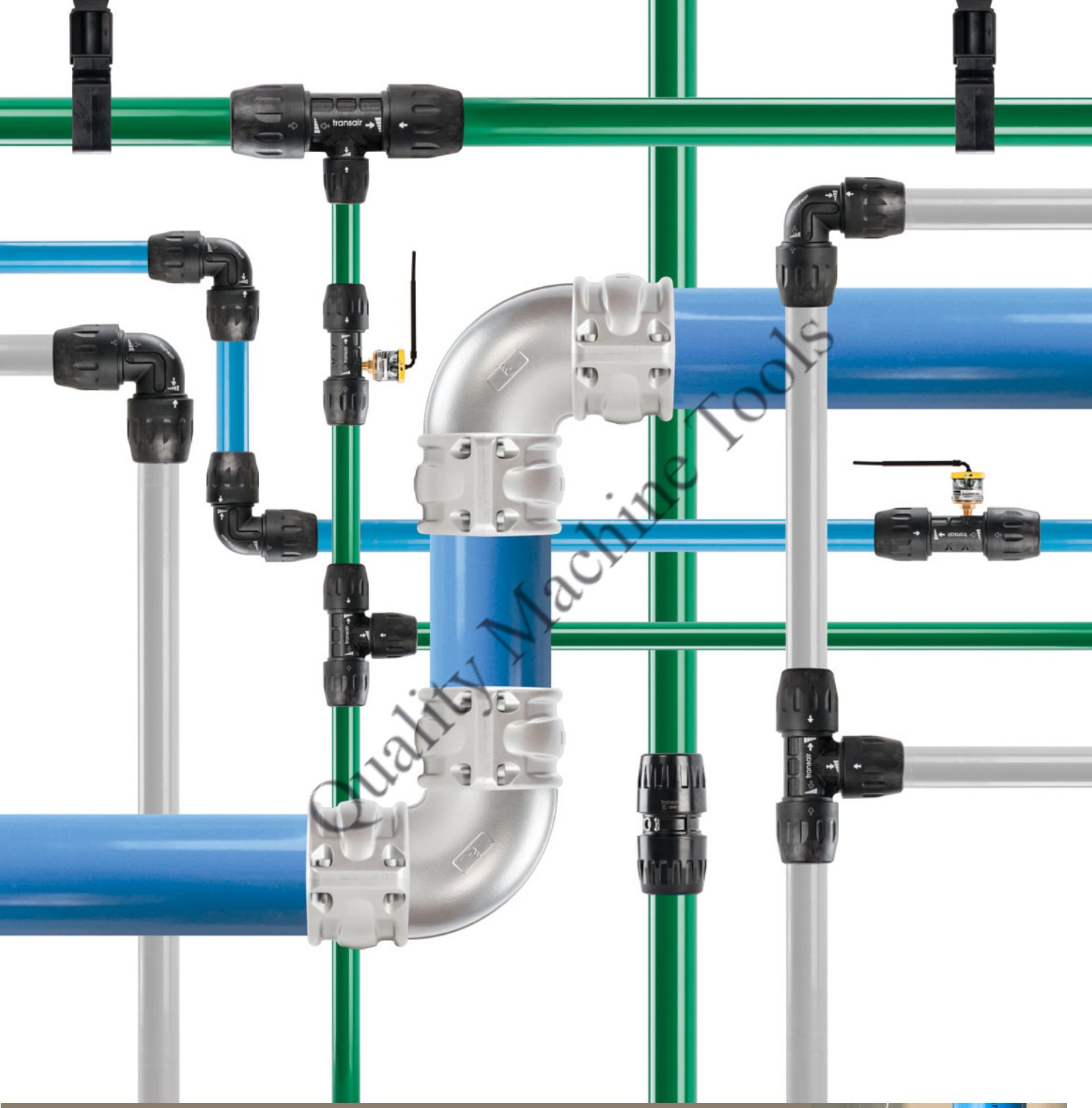

Transair: Advanced Pipe Systems

Quick Reference Guide

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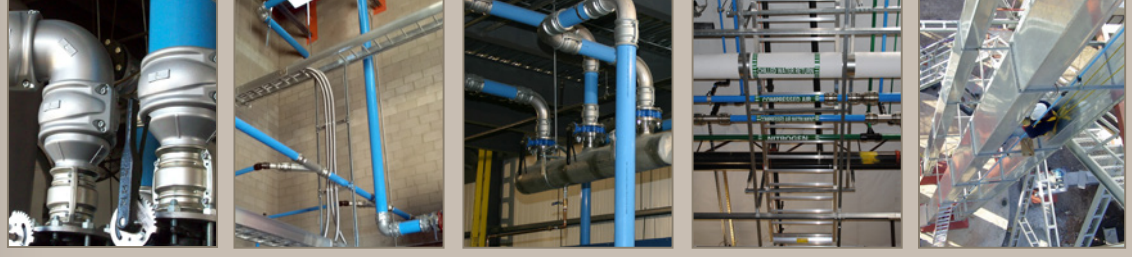
Parker

ENGINEERING YOUR SUCCESS.



Innovative Compressed Air Pipe Systems

Transair is a fast, flexible and easy to modify aluminum pipe system for compressed air applications. Quick connections eliminate the need to thread or solder pipe. The lightweight aluminum pipe is easy to handle and safe to work with on elevated platforms. Transair offers significant savings on installation, maintenance and operating costs, making it the most cost effective and efficient pipe system for compressed air.

Transair's additional benefits include:

- Energy efficient
- Lower installation costs
- Push-to-connect technology
- Immediate pressurization
- Removable and reusable
- Modular design
- No corrosion
- Leak-free guarantee
- Full bore design
- 1/2" - 6" pipe sizes

The material used to manufacture the pipe and fittings are 100% recyclable. Transair pipe and fittings are guaranteed silicone free.

SUITABLE FLUIDS:
- Compressed air (dry, wet, lubricated)
- Vacuum
- Inert gases

(Please consult us for other fluids)

MAXIMUM WORKING PRESSURE:
188 psi from -4°F to +140°F
232 psi from -4°F to +115°F
(*Max. working pressure for 6" is 188 psi)

VACUUM LEVEL: 98.7 % (29.6" Hg)
WORKING TEMP: -4°F to +140°F
STORAGE TEMP: -40°F to +176°F

RESISTANCE TO:
- Corrosion
- Mineral compressor oils
- Aggressive environments
- Synthetic compressor oils
- Mechanical shocks
- Compressor oil carry over
- Thermal variations
- Ultraviolet (UV)

MATERIALS:
- Fiberglass reinforced polyamide
- Plated brass
- Stainless steel
- Powder-coated aluminum
- Nitrile seals

Certifications and Guarantees

AFAQ ISO 9001 VERSION 2000 · TÜVRheinland · ASME · QUALICOAT

Transair pipe sizes

1/2" (16.5 mm)
7/8" (25 mm)
1 1/2" (40 mm)
2" (50 mm)
2 1/2" (63 mm)
3" (76 mm)
4" (101 mm)
6" (168 mm)

Advanced Compressed Air System Condition Monitoring

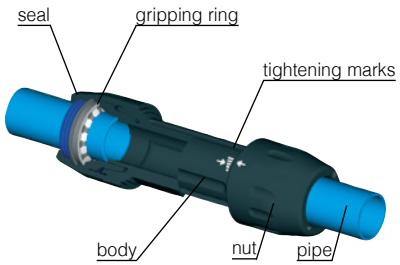
Having accurate, timely readings on the performance of your compressed air piping system can mean the difference between identifying a problem before it occurs, or incurring added costs for equipment repairs…not to mention lost revenue.

Transair powered by SCOUT Technology helps you keep your system healthy and operating efficiently. SCOUT consists of a wide range of sensors that provide consistent and accurate readings for pressure, temperature, humidity, power, and flow. The system collects data so you can take the necessary steps to optimize your compressed air equipment and your system's performance. The easy-to-use web-based interface also alerts the user to unexpected conditions that may damage components and equipment over time.

SCOUT Technology puts vital information and analytics in the palm of your hand to ensure your compressed air system is running at optimum levels. Let SCOUT Technology MONITOR your Transair compressed air piping system, ALERT you to system changes, and provide DATA that helps reduce downtime and increase productivity.

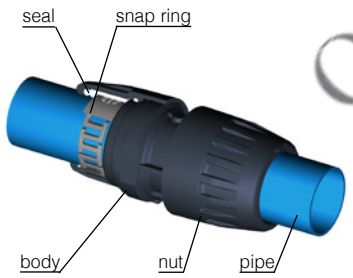
Transair Technology

Ø 1/2" (16.5 mm) – Ø 7/8" (25 mm) – Ø 1 1/2" (40 mm)



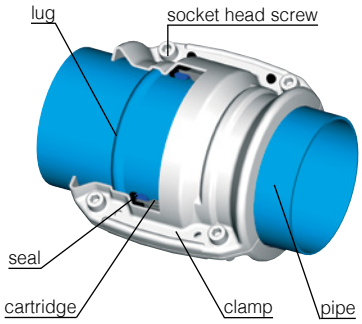
Pipe-to-pipe and male connectors in Ø 1/2", Ø 7/8" and Ø 1 1/2" can be immediately connected to Transair pipe – simply push the pipe into the connector up to the connection mark. The gripping ring of each fitting is then automatically secured and the connection is safe.

Ø 2" (50 mm) – Ø 2 1/2" (63 mm)



Pipe-to-pipe and male connectors in Ø 2" and Ø 2 1/2" can be quickly connected to Transair aluminum pipe by means of a snap ring. This secures the connection between the nut and the pipe – tightening of the nuts secures the final assembly.

Ø 3" (76 mm) – Ø 4" (100 mm) – Ø 6" (168 mm)



Pipe-to-pipe and male connectors in Ø 3", Ø 4" and Ø 6" can be quickly connected to Transair aluminum pipe. Position the pipes to be connected within a Transair cartridge and close/tighten a Transair clamp.

Installation Instructions

1. Before installing Transair, a responsible person should check that the area of installation conforms to regulations designed to prevent the risk of explosion (in particular the risks associated with static electricity in silo zones).

Transair's flexible hose should be fitted at the beginning of the pipe system, in order to counter the vibrations found in any compressed air system. When maintaining or modifying a Transair pipe system, the work must be undertaken only after the compressed air system has been vented.

The installer must use only Transair components and accessories, and in particular, Transair's pipe clips. No other type of pipe mounting method is to be used. The technical characteristics of Transair's components, as expressed in this brochure, must be respected.

2. Once assembled, the operation of a Transair installation is the responsibility of the installer who, prior to use, must complete all necessary tests. The installer must also ensure that the installation has been properly carried out in line with the instructions and that it meets all legal requirements.

3. Care should be taken to protect pipe against mechanical shocks – especially when close to the passage of forklift trucks or where suspended objects are being moved. All excessive rotational movements, which could lead to disconnection, whether on the pipes or the supports, must be avoided. Transair's flexible hose must be used in accordance with the instructions in this brochure.

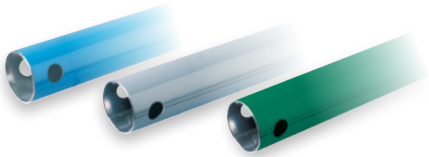
4. The performance of a Transair system is maintained when the effects of expansion or contraction are properly taken into account.

5. To ensure proper installation, Transair's components are supplied with an assembly guide. The installer must follow with care the precise instructions as described in this guide as well as this brochure.

6. When suspending from a ceiling, Transair's pipe clips should be fixed to a support
(U channel, cable tray, threaded rod, etc.). This type of support ensures that the clips stay in alignment, which allows the pipe to expand and contract.

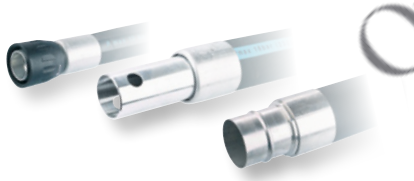
7. When using Transair, the following situations must be avoided:

- Installation within a solid mass (concrete, injected foam)
- The hanging of any external equipment to Transair pipe
- The use of Transair as an electric grounding, or to support electrical equipment
- Exposure to chemicals that are incompatible with Transair components.



Pipe

	ØOD (in)	L (ft)	Color
1013A17 04 00	1/2	10	Blue
1014A17 04	1/2	15	Blue
1013A25 04 00	7/8	10	Blue
1016A25 04 00	7/8	20	Blue
1013A40 04 00	1 1/2	10	Blue
1016A40 04 00	1 1/2	20	Blue
1013A50 04	2	10	Blue
1016A50 04	2	20	Blue
1013A63 04	2 1/2	10	Blue
1016A63 04	2 1/2	20	Blue
TA16 L1 04	3	20	Blue
TA16 L3 04	4	20	Blue
TA16 L8 04	6	20	Blue
1013A17 06 00	1/2	10	Gray
1016A25 06 00	7/8	20	Gray
1016A40 06 00	1 1/2	20	Gray
1016A50 06	2	20	Gray
1016A63 06	2 1/2	20	Gray
TA16 L1 06	3	20	Gray
TA16 L3 06	4	20	Gray
1014A17 02	1/2	15	Green
1016A25 02 00	7/8	20	Green
1016A40 02 00	1 1/2	20	Green
1016A50 06	2	20	Green
1016A63 06	2 1/2	20	Green
TA16 L1 02	3	20	Green
TA16 L3 02	4	20	Green



Flexible Hoses

	ØID (in)	L (ft)
1001E25 00 01	7/8	1' 10"
1001E25 00 03	7/8	5'
1001E25 00 04	7/8	6' 7"
1001E40 00 02	1 1/2	3' 3"
1001E40 00 04	1 1/2	6' 7"
1001E40 00 05	1 1/2	9' 10"
1001E50 00 09	2	3' 3"
1001E50 00 04	2	6' 6"
1001E63 00 08	2 1/2	4' 7"
1001E63 00 05	2 1/2	9' 10"
1001E63 00 06	2 1/2	13' 1"
FP01 L1 01	3	4' 11"
FP L1 02	3	6' 6"
FP01 L3 02	4	6' 6"
FP01 L3 03	4	9' 10"

Anti whip-lash strap

	L (ft)
6698 99 03	3' 3"

Pipe-to-pipe Connector

	ØOD (in)
6606 17 00	1/2
6606 25 00	7/8
6606 40 00	1 1/2
6606 50 00	2
6606 63 00	2 1/2
RR01 L1 00	3
RR01 L3 00	4
RR01 L8 00	6
6676 25 00*	7/8
6676 40 00*	1 1/2
6676 50 00*	2
6676 63 00*	2 1/2

Cartridge (spare)

	ØOD (in)
RR00 L1 00	3
RR00 L3 00	4

90° elbow

	ØOD (in)
6602 17 00	1/2
6602 25 00	7/8
6602 40 00	1 1/2
6602 50 00	2
6602 63 00	2 1/2
RX02 L1 00	3
RX02 L3 00	4
RA02 L8 00	6

Male threaded 90° elbow, NPT

	ØOD (in)	NPT (in)
6609 17 14	1/2	1/4
6609 17 22	1/2	1/2
6609 25 22	7/8	1/2
6609 25 28	7/8	3/4
6609 25 35	7/8	1
6609 40 35	1 1/2	1
6609 40 43	1 1/2	1 1/4
6609 40 50	1 1/2	1 1/2
6609 40 44	1 1/2	2
6609 50 50	2	1 1/2
6609 50 44	2	2
6609 63 41	2 1/2	2 1/2
6609 63 46	2 1/2	2 1/2

45° elbow

	ØOD (in)
6612 25 00	7/8
6612 40 00	1 1/2
6612 50 00	2
6612 63 00	2 1/2
RX12 L1 00	3
RX12 L3 00	4
RX12 L8 00	6

Male threaded 45° elbow, NPT

	ØOD (in)	NPT (in)
6619 25 22	7/8	1/2
6619 25 28	7/8	3/4
6619 25 35	7/8	1
6619 40 35	1 1/2	1
6619 40 43	1 1/2	1 1/4
6619 40 50	1 1/2	1 1/2
6619 40 44	1 1/2	2
6619 50 50	2	1 1/2
6619 50 44	2	2
6619 63 44	2 1/2	2

Male NPT threaded connector

	ØOD (in)	NPT (in)
6605 17 14	1/2	1/4
6605 17 22	1/2	1/2
6605 25 22	7/8	1/2
6605 25 28	7/8	3/4
6605 25 35	7/8	1
6605 40 35	1 1/2	1
6605 40 43	1 1/2	1 1/4
6605 40 50	1 1/2	1 1/2
6605 40 44	1 1/2	2
6605 50 50	2	1 1/2
6605 50 44	2	2
6605 63 44	2 1/2	2
6605 63 41	2 1/2	2 1/2
6605 63 46	2 1/2	3

Male NPT stud nut

	ØOD (in)	NPT (in)
6611 17 22	1/2	1/2
6611 25 22	7/8	1/2
6611 25 28	7/8	3/4
6611 25 35	7/8	1
6611 40 35	1 1/2	1
6611 40 43	1 1/2	1 1/4
6611 40 50	1 1/2	1 1/2
6611 40 44	1 1/2	2
6611 63 44	2 1/2	2
6611 63 41	2 1/2	2 1/2

Equal tee

	ØOD (in)
6604 17 00	1/2
6604 25 00	7/8
6604 40 00	1 1/2
6604 50 00	2
6604 63 00	2 1/2
RAX4 L1 00	3
RAX4 L3 00	4
RA04 L8 00	6

End cap

	ØOD (in)
6625 17 00*	1/2
6625 25 00*	7/8
6625 40 00*	1 1/2
6625 50 00*	2
6625 63 00*	2 1/2
RX25 L1 00	3
RX25 L3 00	4
RA25 L8 00	6

* Vented

Simple reducing bracket

	ØOD (in)	NPT (in)
RA69 25 17	7/8	
RA69 40 25	1 1/2	
RA69 50 25	2	
RA68 25N04	7/8	1/2
RA68 40N04	1 1/2	1/2
RA68 50N04	2	1/2
RA68 50N08	2	1
RR63 L1N08	3	1
RR63 L3N08	4	1
RR63 L8N12	6	1 1/2
RR63 L8N16	6	2

Reducing tee

	ØOD1 (in)	ØOD2 (in)
6604 50 25	2	7/8
6604 50 40	2	1 1/2
6604 63 40	2 1/2	1 1/2
6604 63 50	2 1/2	2
RX24 L1 40	3	1 1/2
RX24 L1 50	3	2
RX24 L1 63	3	2 1/2
RX24 L3 40	4	1 1/2
RX24 L3 63	4	2 1/2
RX04 L3 L1	4	3
RA04 L8 L3	6	4
RA04 L8 L1	6	3
RA04 L8 63	6	2 1/2
6604 50 25	2	7/8
6604 50 40	2	1 1/2
6604 63 40	2 1/2	1 1/2
6604 63 50	2 1/2	2

Male NPT threaded connector

	ØOD (in)	NPT (in)
6615 25 22	7/8	1/2
6615 25 28	7/8	3/4
6615 25 35	7/8	1
6615 40 43	1 1/2	1 1/4
6615 40 50	1 1/2	1 1/2

Manifolds

	ØOD (in)	NPT (in)	Ports
6651 25 12 04	7/8		4
6651 40 12 04	1/2		4
6653 25 22 06	7/8	1/2	6
6653 40 22 06	1/2	1/2	6

Male NPT adapter

	ØOD (in)	NPT (in)
6621 17 22	1/2	1/2
6621 25 22	7/8	1/2
6621 25 28	7/8	3/4
6621 25 35	7/8	1
6621 40 43	1 1/2	1 1/4
6621 40 50	1 1/2	1 1/2
RR21 L1N20	3	2 1/2
RR21 L1N24	3	3

Quick assembly bracket

	ØOD1 (in)	ØOD2 (in)
6662 25 17	7/8	1/2
6662 25 00	7/8	7/8
6662 40 17	1 1/2	1/2
6662 40 25	1 1/2	7/8
6662 50 25	2	7/8
6662 63 25	2 1/2	7/8

Plug-in reducer

	ØOD1 (in)	ØOD2 (in)
6666 17 25	7/8	1/2
6666 25 40	1 1/2	7/8
6666 40 63	2 1/2	1 1/2
6666 40 50	2	1 1/2
6666 50 63	2 1/2	2
RX64 L1 50	3	2
RX64 L1 63	3	2 1/2
RX64 L3 63	4	2 1/2
RX66 L3 L1	4	3
RA66 L8 L3	6	4
RA66 L8 L1	6	3

Threaded tee

	ØOD (in)	NPT (in)
RX20 L1N04	3	1/2
RX20 L3N04	4	1/2

Quick assembly mini-bracket with female thread, NPT

	ØOD (in)	NPT (in)
6663 25 22	7/8	1/2
6663 40 22	1 1/2	1/2
6663 63 22	2 1/2	1/2
6663 63 28	2 1/2	3/4

Lateral tee

	ØOD (in)
RX05 L1 00	3
RX05 L3 00	4

Pressurized system bracket

	ØOD (in)	BSPP
EA98 06 01	7/8	1/2
EA98 06 02	1 1/2	1/2
EA98 06 04	2	1/2
EA98 06 03	2 1/2	1/2

Quick assembly bracket with pre-assembled ball valve, NPT

	ØOD (in)	NPT (in)
6668 25 22	7/8	1/2
6668 40 22	1 1/2	1/2
6668 50 22	2	1/2
6668 63 22	2 1/2	1/2
6668 63 28	2 1/2	3/4

45° wall bracket with ball valve

	ØOD (in)	NPT (in)	Ports
6679 17 22	1/2	1/2	1
6679 25 22	7/8	1/2	1
6694 17 22	1/2	1/2	2
6694 25 22	7/8	1/2	2

90° wall bracket with ball valve

	ØOD (in)	NPT (in)	Ports
6675 17 22	1/2	1/2	2
6675 25 22	7/8	1/2	2

Pipe cutter

	Used for Transair pipe
6698 03 01	Ø 1/2" - 3"
EW08 00 03	Ø 4" - 6"

45° wall bracket

	ØOD (in)	NPT (in)	Ports
6640 17 22	1/2	1/2	1
6640 25 22	7/8	1/2	1
6642 22 22		1/2	1
6689 17 22	1/2	1/2	2
6689 25 22	7/8	1/2	2
6691 22 22		1/2	2

90° wall bracket

	ØOD (in)	NPT (in)	Ports
6684 17 22	1/2	1/2	2
6684 25 22	7/8	1/2	2
6688 22 22		1/2	2

3 port wall bracket

	ØOD (in)	NPT (in)	NPT (in)
6696 25 22	7/8	1/2	
6636 28 22		3/4	1/2

3 port wall bracket with ball valve

	ØOD (in)	NPT (in)	NPT (in)
6638 25 22	7/8	1/2	1/2

Ball valve

	ØOD (in)
VR01 L1 00	3
VR01 L3 00	4

Replacement cutter wheels

	Used for pipe cutter
EW08 00 99	6698 03 01
EW08 00 04	EW08 00 03

Double female valve

	ØOD (in)
4089 17 00*	1/2
4089 25 00*	7/8
4099 17 00 (lockable)	1/2
4099 25 00 (lockable)	7/8
4002 40 00	1 1/2
4092 50 00* (lockable)	2
4002 63 00*	2 1/2
4012 63 00* (lockable)	2 1/2

* Vented

Butterfly valve

	ØOD (in)
VR03 L1 00	3
VR03 L3 00	4
VR03 L8 00	6

Butterfly valve

	ØOD (in)
4230 40 00	1 1/2

Pilot kit

4299 03 01

Tool case

6698 00 05

Drilling jig for rigid aluminum pipe

6698 01 03

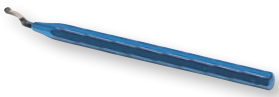
Drilling tool

	ØOD (in)
6698 02 02	5/8
6698 02 01	7/8
EW09 00 22*	7/8
EW09 00 30*	1 3/16
EW09 00 51*	2
EW09 00 64*	2 1/2

* Includes center drill

Marking tool

6698 04 03



Deburring tool

6698 04 02

Chamfer tool

6698 04 01

Spanner wrenches

6698 04 03

Pressurized system drilling tool, BSPP

	ØOD (in)
EA98 06 00	1/2

Portable tool kit

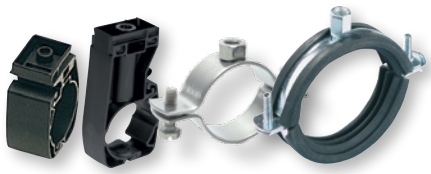
EW01 00 02

Jaws for portable tool

	ØOD (in)
EW02 L1 00	3
EW02 L3 00	4
EW02 L8 00	6

14V battery for portable tool

EW03 00 01



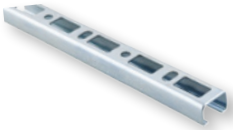
Fixing clip for rigid pipe

	ØOD (in)
6697 17 01	1/2
6697 25 01	7/8
6697 40 01	1 1/2
6697 50 01	2
6697 63 01	2 1/2
EX01 L1 00	3
ER01 L1 00*	3
EX01 L3 00	4
ER01 L3 00*	4
ER01 L8 00*	6

* Rubber insulated

Spacer

	Offset Height (in)
6697 00 03	1 3/4



U-channel

	L (ft)
6699 01 01	6' 5"

U-channel fixing bracket

6699 01 02

Threaded rod adapter

0169 00 05 00

Light series hose reel

	L (ft)
6698 11 11	25
6698 11 12	50

Flange

	ØOD (in)
RX30 L1 00	3
RX31 L1 00*	3
RX30 L3 00	4
RX31 L3 00*	4
RA31 L8 00*	6

* ANSI

Flange gasket

	ØOD (in)
EW05 L1 00	3
EW05 L3 00	4
EW05 L8 00	6

Flange bolt kit

	ØOD (in)
EW06 00 01	3, 4
EW06 00 05	6

Connector with sensor

	ØOD (in)
6676 25 00 PT (pressure)	7/8
6676 40 00 PT (pressure)	1 1/2
6676 50 00 PT (pressure)	2
6676 63 00 PT (pressure)	2 1/2
6676 25 00 HT (humidity)	7/8
6676 40 00 HT (humidity)	1 1/2
6676 50 00 HT (humidity)	2
6676 63 00 HT (humidity)	2 1/2
6676 25 00 T (temperature)	7/8
6676 40 00 T (temperature)	1 1/2
6676 50 00 T (temperature)	2
6676 63 00 T (temperature)	2 1/2

Transmitter with current transformer

	Current (amps)
SNC-070-2-8MP-KY	70
SNC-100-2-8MP-KY	100
SNC-150-2-8MP-KY	150
SNC-200-2-8MP-KY	200
SNC-250-2-8MP-KY	250
SNC-300-2-8MP-KY	300
SNC-400-2-8MP-KY	400
SNC-600-2-8MP-KY	600
SNC-800-2-8MP-KY	800

Sensor

SNPT-10-2-4FP-KY (pressure)
SNHT-10-2-4FP-KY (humidity)
SNT-10-2-4FP-KY (temperature)

Simple reducing bracket with sensor

	ØOD (in)
RA68 25 FL	7/8
RA68 40 FL	1 1/2
RA68 50 FL	2
EA98 63 FL	2 1/2
RR63 98 L1 FL	3
RR63 98 L3 FL	4

Collection server

	Ethernet	Wifi
SN-CS-1	X	X

Primary receiver node

SNPRN-2

Composite automatic safety couplers

Male NPT

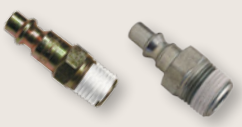
	C (in)	Style	Body (in)
CP05 U1N02	1/4	ISO B	1/4
CP05 U1N03	3/8	ISO B	1/4
CP05 U1N04	1/2	ISO B	1/4
CP05 U2N02	1/4	ISO B	3/8
CP05 U2N03	3/8	ISO B	3/8
CP05 U2N04	1/2	ISO B	3/8
CP05 A1N02	1/4	ARO	1/4
CP05 A1N03	3/8	ARO	1/4
CP05 A1N04	1/2	ARO	1/4

Female NPT

	C (in)	Style	Body (in)
CP15 U1N02	1/4	ISO B	1/4
CP15 U1N03	3/8	ISO B	1/4
CP15 U1N04	1/2	ISO B	1/4
CP15 U2N02	1/4	ISO B	3/8
CP15 U2N03	3/8	ISO B	3/8
CP15 U2N04	1/2	ISO B	3/8
CP15 A1N02	1/4	ARO	1/4
CP15 A1N03	3/8	ARO	1/4
CP15 A1N04	1/2	ARO	1/4

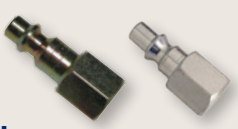
Coupler with hosetail

	ØOD (mm)	Style	Body (in)
CP21 U1 08	8	ISO B	1/4
CP21 U1 10	10	ISO B	1/4
CP21 U1 13	13	ISO B	1/4
CP21 U2 08	8	ISO B	3/8
CP21 U2 10	10	ISO B	3/8
CP21 U2 13	13	ISO B	3/8
CP21 A1 08	8	ARO	1/4
CP21 A1 10	10	ARO	1/4
CP21 A1 13	13	ARO	1/4



Male Plug NPT

	C (in)	Style	Body (in)
9084 23 14	1/4	ISO B	1/4
9084 23 18	3/8	ISO B	1/4
9084 30 14	1/4	ISO B	3/8
9084 30 18	3/8	ISO B	3/8
9084 22 14	1/4	ARO	1/4
9084 22 18	3/8	ARO	1/4



Female Plug NPT

	C (in)	Style	Body (in)
9083 23 14	1/4	ISO B	1/4
9083 23 18	3/8	ISO B	1/4
9083 30 14	1/4	ISO B	3/8
9083 30 18	3/8	ISO B	3/8
9083 22 14	1/4	ARO	1/4

Plug with hosetail

	ID (mm)	Style	Body (in)
9085 23 14	1/4	ISO B	1/4
9085 23 08	5/16	ISO B	1/4
9085 30 60	3/8	ISO B	1/4
9085 30 08	5/16	ISO B	3/8
9085 30 60	3/8	ISO B	3/8
9085 30 62	1/2	ISO B	3/8

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