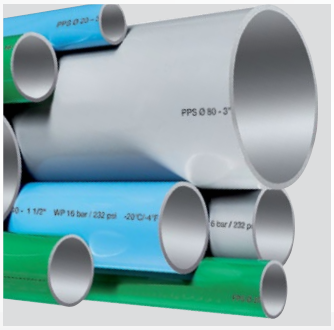
Aluminium Compressed Air System



S08

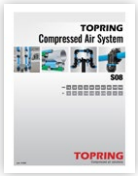
mm	16	20	25	32	40	50	63	80	100	160
∅ in	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6

TOPRING

Compressed air solutions

September 2026

Discover our page dedicated to aluminum compressed air systems and access all the useful resources



S08 Catalogue



Conception Guide



Installation Guide



3D Models

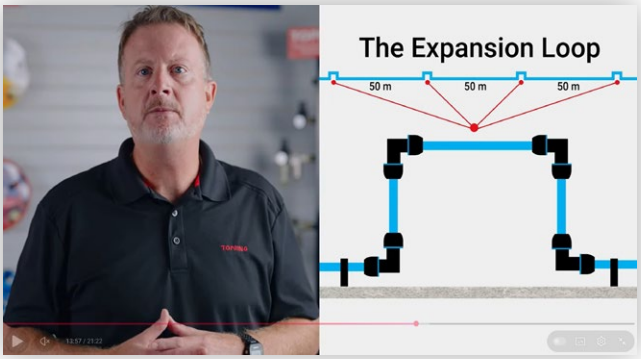


National Master Specification

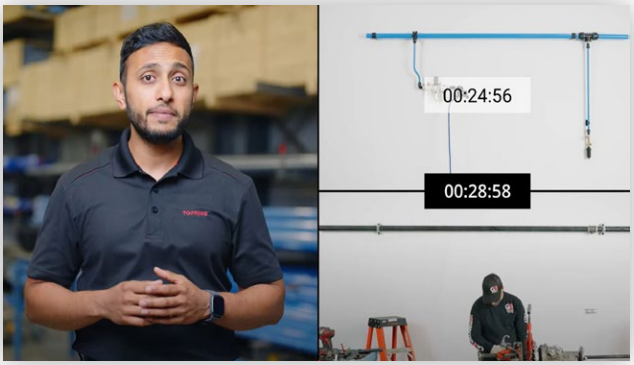
Aluminum: The Ideal Choice for your Project



How to Design a Compressed Air System

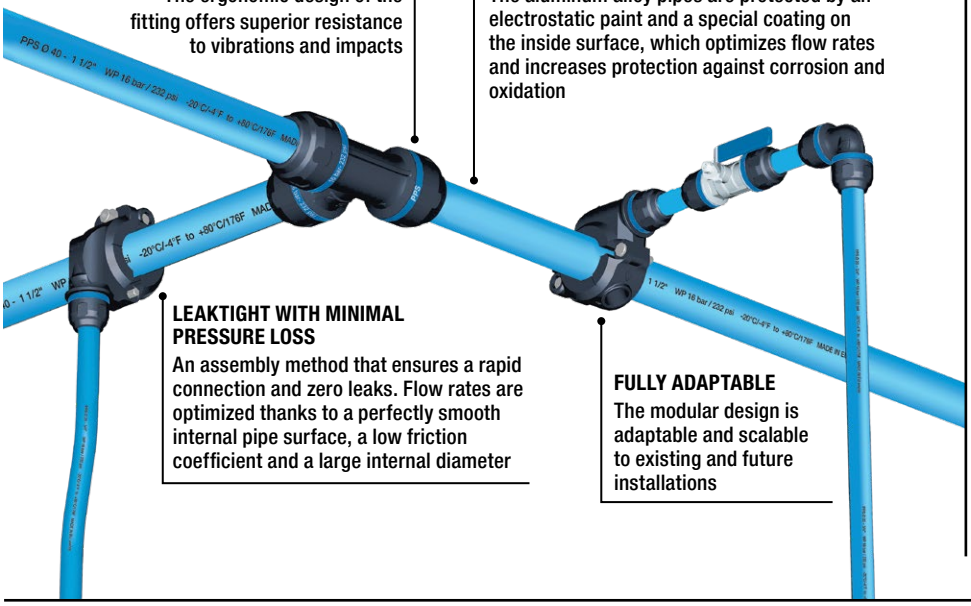


Installation of Aluminum vs. Steel pipes



THE MOST ADVANCED COMPRESSED AIR SYSTEM IN THE WORLD

The **TOPRING** piping system S08 is made of lightweight, corrosion-resistant pipes and fittings.
Quick and easy to install, the system can be pressurized immediately.
A durable system that easily adapts to immediate needs or future expansions.



COMPACT DESIGN
The ergonomic design of the fitting offers superior resistance to vibrations and impacts

100% ALUMINUM PIPES
The aluminum alloy pipes are protected by an electrostatic paint and a special coating on the inside surface, which optimizes flow rates and increases protection against corrosion and oxidation

LEAKTIGHT WITH MINIMAL PRESSURE LOSS
An assembly method that ensures a rapid connection and zero leaks. Flow rates are optimized thanks to a perfectly smooth internal pipe surface, a low friction coefficient and a large internal diameter

FULLY ADAPTABLE
The modular design is adaptable and scalable to existing and future installations

CERTIFICATIONS

See certification details on topring.com

COMPRESSION FITTINGS 16 TO 160 MM

Available in a wide range of diameters and configurations, compression fittings offer a simple screw-in nut assembly method for sizes 16 to 80 mm (1/2 to 3 in) and a 3 or 4 bolts/nuts assembly method for sizes 100 and 160 mm (4 and 6 in).

16 TO 80 MM

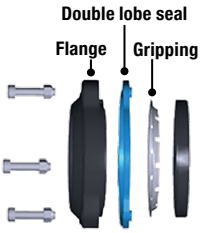


Double lobe seal — Gripping teeth

100 TO 160 MM



Bolts/Nuts
CHC M8
Class 12.9
100 mm: 3 bolts
160 mm: 4 bolts



Materials

Body and Nut: 100% aluminum, EN AB 46100
Gripping Teeth: Stainless steel
Double Lobe Seal: NBR
Seal: NBR

COMPACT CONNECTION FITTINGS 50 TO 160 MM

Compact connection fittings were specifically developed for pipe installation in compressor rooms, or small spaces. The flanged or v-clamp connections allow for a wide range of configurations, providing space savings and quick, convenient assembly with the compressor.

FLANGE CONNECTION



- Universal flange ANSI/ASME - DIN
- Ideal for connecting to an existing compressor, dryer or network

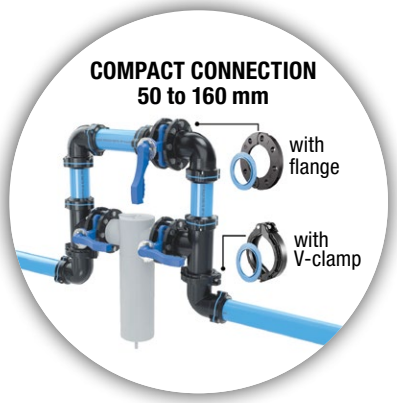
V-CLAMP CONNECTION



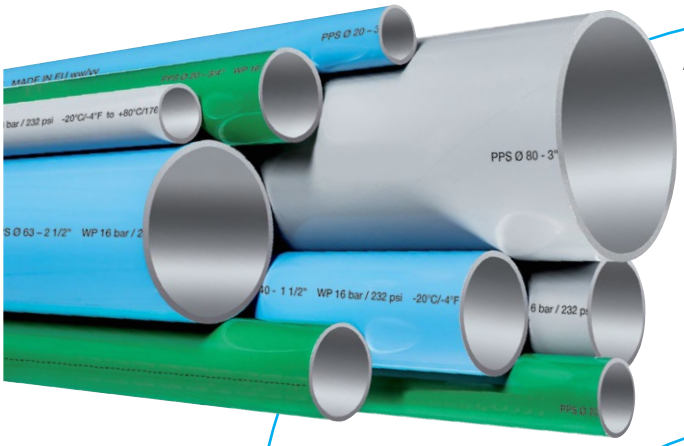
- Allows fittings to be connected quickly using a collar to avoid cutting a pipe or installing a bypass saddle tee
- Designed to facilitate installation and avoid assembly errors

Materials

Body, Nut, Flange and V-clamp: 100 % aluminum EN AB 46100
Gripping Teeth: Stainless steel
Seal: NBR



08 ALUMINUM COMPRESSED AIR SYSTEM



100% ALUMINUM PIPES/16 TO 160 MM

100% ALUMINUM
Easy handling and assembly
Easy to cut and chamfer

UV AND HEAT RESISTANT
Low expansion coefficient

CORROSION RESISTANT
Extruded aluminum alloy with internal and external titanium treatment prevents rust formation

VERY LOW PRESSURE LOSS
Smooth internal surface prevents air turbulence

Materials

Pipe: Anodized aluminum alloy extrusion EN AW 6060 T6

Coating: Electrostatic paint (RoSH and REACH certifications)

Specifications

Extrusion quality:
- Non-welded extrusion process
- Calibrated pipe

Maximum Inlet Pressure:
232 PSI (16 BAR)

Burst pressure:
Safety coefficient of 5:1

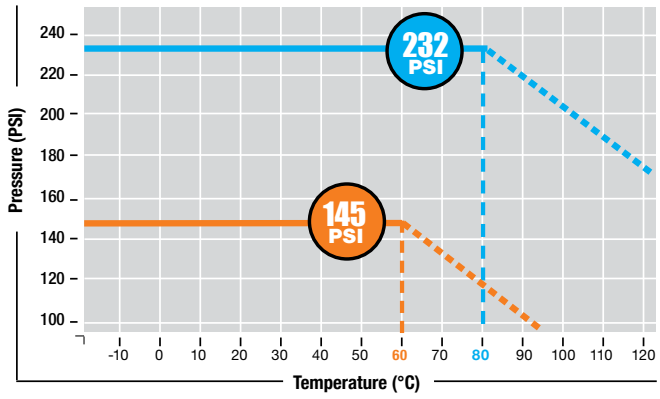
Fluid Temperature: -20 to 80 °C

Fluids: Compressed air, breathing air, industrial vacuum, neutral and inert gases (nitrogen, CO_2 or argon)

Color:
- Blue – Compressed air and breathing air – RAL 5012
- Grey – Vacuum – RAL 7001
- Green – Nitrogen – RAL 6029

Environment:
- The pipes and fittings material are 100% recyclable
- All pipes and fittings are guaranteed silicone free

Resistant to: Corrosion, harsh environments, mechanical shock, thermal variations, mineral and synthetic oils for compressors and ultraviolet



LEGEND

TOPRING 100% aluminum pipes and fittings

Aluminum pipes and plastic fittings or plastic/aluminum

GOOD TO KNOW

Pipes and fittings from Series 08 allow the system to operate at a maximum pressure of 232 PSI at temperatures between -20 to 80°C.

In comparison, systems using aluminum piping and plastic or plastic/aluminum fittings are limited to a maximum pressure of 145 PSI or less at temperatures of -20 to 60 °C.

10 YEAR

WARRANTY

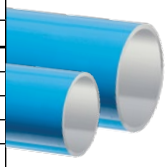
TOPRING products are warranted to be free of defects in material and workmanship for a period of ten (10) years from the date which the client-user was invoiced by the Distributor.

For more details, see the warranty tab on the product page.

PIPES

BLUE ALUMINUM PIPE

No	Pipe mm	Pipe in	Length m	Length ft
08.101	16	1/2	4	13.12
08.103	20	3/4	4	13.12
08.102	20	3/4	5.5	18.04
08.105	25	1	4	13.12
08.104	25	1	5.5	18.04
08.107	32	1-1/4	4	13.12
08.106	32	1-1/4	5.5	18.04
08.108	40	1-1/2	5.5	18.04
08.110	50	2	5.5	18.04
08.112	63	2-1/2	5.5	18.04
08.114	80	3	5.5	18.04
08.116	100	4	5.5	18.04
08.118	160	6	5.5	18.04



BLUE ALUMINUM PIPE (2.9 M)

No	Pipe mm	Pipe in	Length m	Length ft
08.097	16	1/2	2.9	9.5
08.098	20	3/4		
08.099	25	1		

GREY ALUMINUM PIPE *

No	Pipe mm	Pipe in	Length m	Length ft
08.901	16	1/2	4	13.12
08.902	20	3/4	5.5	18.04
08.904	25	1	5.5	18.04
08.906	32	1-1/4	5.5	18.04
08.908	40	1-1/2	5.5	18.04
08.910	50	2	5.5	18.04
08.912	63	2-1/2	5.5	18.04
08.914	80	3	5.5	18.04
08.916	100	4	5.5	18.04
08.918.12	160	6	5.5	18.04



* See availablility on topring.com

GREEN ALUMINUM PIPE *

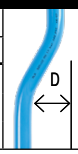
No	Pipe mm	Pipe in	Length m	Length ft
08.122	20	3/4	5.5	18.04
08.124	25	1	5.5	18.04
08.127	50	2	5.5	18.04



* See availability on topring.com

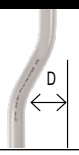
BLUE ALUMINUM S BEND PIPE

No	Pipe mm	Pipe in	D mm	D in	Length cm	Length in
08.130	16	1/2	70	2-3/4	48	18.9
08.133	20	3/4				
08.136	25	1				



GREY ALUMINUM S BEND PIPE *

No	Pipe mm	Pipe in	D mm	D in	Length cm	Length in
08.930	16	1/2	70	2-3/4	48	18.9
08.933	20	3/4				
08.936	25	1				



* See availability on topring.com

TECH TIP

The S bend pipe can be used to navigate around obstacles and correct minor alignment issues. It's ideal for adjusting drops closer to mounting surfaces.



BYPASS SADDLE TEES

The bypass saddle tee is used to install a drop leg to supply a workstation on new or existing compressed air systems. It also reduces condensate build up.

WITHOUT DROP COMPRESSION FITTING

No	Main pipe diameter mm	Main pipe diameter in	Thread (F) NPT
08.020	25	1	3/8
08.021	25	1	1/2
08.024	32	1-1/4	1/2
08.025	32	1-1/4	3/4
08.028	40	1-1/2	1/2
08.029	40	1-1/2	3/4
08.030	40	1-1/2	1
08.033	50	2	1/2
08.034	50	2	3/4
08.035	50	2	1
08.038	63	2-1/2	1/2
08.039	63	2-1/2	3/4
08.040	63	2-1/2	1
08.043	80	3	1/2
08.044	80	3	3/4
08.045	80	3	1



WITH DROP COMPRESSION FITTING

No	Main pipe diameter mm	Main pipe diameter in	Drop leg pipe mm	Drop leg pipe in
08.060	25	1	16	1/2
08.061	25	1	20	3/4
08.064	32	1-1/4	16	1/2
08.065	32	1-1/4	20	3/4
08.068	40	1-1/2	16	1/2
08.069	40	1-1/2	20	3/4
08.070	40	1-1/2	25	1
08.073	50	2	16	1/2
08.074	50	2	20	3/4
08.075	50	2	25	1
08.078	63	2-1/2	20	3/4
08.079	63	2-1/2	25	1
08.080	63	2-1/2	32	1-1/4
08.083	80	3	20	3/4
08.084	80	3	25	1
08.085	80	3	32	1-1/4
08.086	100	4	25	1
08.087	100	4	32	1-1/4

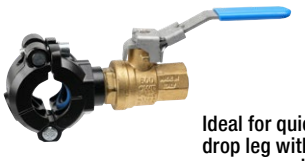




FOR PRESSURIZED DRILLING

No	Main pipe diameter mm	Main pipe diameter in	Thread (F) NPT
08.710.01	25	1	1/2
08.713.01	32	1-1/4	1/2
08.716.01*	40	1-1/2	1/2
08.718.01*	40	1-1/2	1
08.720.01	50	2	1/2
08.722.01*	50	2	1
08.724.01*	63	2-1/2	1/2
08.726.01*	63	2-1/2	1
08.729.01*	80	3	1/2
08.731.01	80	3	1
08.733.01*	100	4	1/2
08.735.01*	100	4	1

* See availability on topring.com



Ideal for quickly creating a new drop leg without cutting off the compressed air supply to the network.

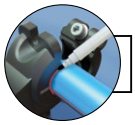


Drilling tool for 1/2 NPT: 08.596 and for 1 NPT: 08.597

The drilling tools easily fit on any standard drill.

SIMPLE AND EFFICIENT DROP INSTALLATION

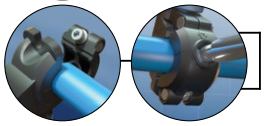
Watch a bypass saddle tee installation



Engraved mark on saddle tee for pipe marking to help reposition the tee to its original position on the pipe



Integrated textured v-shaped marking prevents the rotation of the pipe during drilling operations



Integrated alignment guide to facilitate drilling operations

WITHOUT DROP COMPRESSION FITTING *

No	Main pipe diameter mm	Main pipe diameter in	Thread (F) NPT
08.710	25	1	1/2
08.711	25	1	3/4
08.713	32	1-1/4	1/2
08.714	32	1-1/4	3/4
08.716	40	1-1/2	1/2
08.717	40	1-1/2	3/4
08.718	40	1-1/2	1
08.720	50	2	1/2
08.721	50	2	3/4
08.722	50	2	1
08.724	63	2-1/2	1/2
08.725	63	2-1/2	3/4
08.726	63	2-1/2	1
08.727	63	2-1/2	1-1/4
08.729	80	3	1/2
08.730	80	3	3/4
08.731	80	3	1
08.732	80	3	1-1/4
08.734	100	4	3/4
08.735	100	4	1
08.736	100	4	1-1/4
08.737	160	6	1
08.738	160	6	2
08.739	160	6	3



A male-female threaded ball valve (08.399) can be installed on a straight saddle tee with 1/2 (F) thread diameter to perform pressure drilling with the 08.596 drilling tool.



* See availability on topring.com

COMPRESSION FITTINGS

STRAIGHT UNION

No	Pipe mm	Pipe in
08.290	16	1/2
08.291	20	3/4
08.292	25	1
08.293	32	1-1/4
08.294	40	1-1/2
08.295	50	2
08.296	63	2-1/2
08.297	80	3
08.298	100	4
08.299	160	6



90° ELBOW UNION

No	Pipe mm	Pipe in
08.150	16	1/2
08.151	20	3/4
08.152	25	1
08.153	32	1-1/4
08.154	40	1-1/2
08.155	50	2
08.156	63	2-1/2
08.157	80	3
08.158	100	4



45° ELBOW UNION

No	Pipe mm	Pipe in
08.190	16	1/2
08.191	20	3/4
08.192	25	1
08.193	32	1-1/4
08.194	40	1-1/2



TEE UNION

No	Pipe mm	Pipe in
08.330	16	1/2
08.331	20	3/4
08.332	25	1
08.333	32	1-1/4
08.334	40	1-1/2
08.335	50	2
08.336	63	2-1/2
08.337	80	3
08.338	100	4



SLIDING UNION

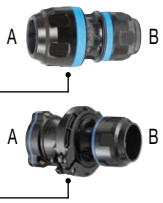
No	Pipe mm	Pipe in
08.302	25	1
08.303	32	1-1/4
08.304	40	1-1/2
08.305	50	2
08.306	63	2-1/2
08.307	80	3
08.308	100	4
08.309	160	6



The union slides along its entire lengt to connect two pipes in an existing closed network

REDUCER

No	Pipe A mm	Pipe A in	Pipe B mm	Pipe B in
08.310	25	1	20	3/4
08.313	32	1-1/4	25	1
08.317	40	1-1/2	32	1-1/4
08.320	50	2	40	1-1/2
08.323	63	2-1/2	50	2
08.326	80	3	63	2-1/2
08.329	100	4	80	3



FEMALE TEE ADAPTER

No	Pipe A mm	Pipe A in	Thread B (F) NPT
08.340	16	1/2	3/8
08.343	20	3/4	1/2
08.346	25	1	1/2
08.347	25	1	3/4
08.350	32	1-1/4	3/4
08.351	32	1-1/4	1
08.354	40	1-1/2	3/4
08.355	40	1-1/2	1
08.356	40	1-1/2	1-1/4
08.359	50	2	1
08.360	50	2	1-1/4
08.361	50	2	1-1/2
08.364	63	2-1/2	1
08.365	63	2-1/2	1-1/4
08.366	63	2-1/2	1-1/2
08.367	63	2-1/2	2
08.370	80	3	1
08.371	80	3	1-1/2
08.372	80	3	2
08.373	80	3	2-1/2
08.378	100	4	3



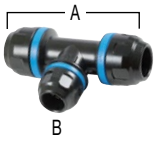
MALE ADAPTER

No	Pipe mm	Pipe in	Thread (M) NPT
08.200	16	1/2	3/8
08.201	16	1/2	1/2
08.204	20	3/4	1/2
08.205	20	3/4	3/4
08.208	25	1	1/2
08.209	25	1	3/4
08.210	25	1	1
08.213	32	1-1/4	1
08.214	32	1-1/4	1-1/4
08.217	40	1-1/2	1-1/4
08.218	40	1-1/2	1-1/2
08.221	50	2	1-1/2
08.222	50	2	2
08.225	63	2-1/2	2
08.226	63	2-1/2	2-1/2
08.229	80	3	2-1/2
08.230	80	3	3



TEE REDUCER

No	Pipe A mm	Pipe A in	Pipe B mm	Pipe B in
08.380	20	3/4	16	1/2
08.381	25	1	16	1/2
08.382	25	1	20	3/4
08.383	32	1-1/4	16	1/2
08.384	32	1-1/4	20	3/4
08.385	32	1-1/4	25	1



EXPANSION JOINT

No	Pipe mm	Pipe in
08.146	63	2-1/2
08.147	80	3
08.148	100	4
08.149	160	6

No Canadian Registered Number (CRN)



90° MALE ELBOW ADAPTER

No	Pipe mm	Pipe in	Thread (F) NPT
08.160	16	1/2	3/8
08.161	16	1/2	1/2
08.164	20	3/4	1/2
08.167	25	1	1/2
08.168	25	1	3/4
08.169	32	1-1/4	1
08.172	40	1-1/2	1-1/4
08.173	40	1-1/2	1-1/2



FEMALE ADAPTER

No	Pipe mm	Pipe in	Thread (F) NPT
08.240	16	1/2	3/8
08.241	16	1/2	1/2
08.244	20	3/4	1/2
08.245	20	3/4	3/4
08.248	25	1	1/2
08.249	25	1	3/4
08.250	25	1	1
08.253	32	1-1/4	1
08.254	32	1-1/4	1-1/4
08.257	40	1-1/2	1-1/4
08.258	40	1-1/2	1-1/2
08.259	50	2	1-1/2
08.262	50	2	2
08.265	63	2-1/2	2
08.266	63	2-1/2	2-1/2
08.269	80	3	2-1/2
08.270	80	3	3
08.274	100	4	2
08.275	100	4	3
08.277	160	6	2
08.279	160	6	3



END CAP

No	Pipe mm	Pipe in
08.280	16	1/2
08.281	20	3/4
08.282	25	1
08.283	32	1-1/4
08.284	40	1-1/2
08.285	50	2
08.286	63	2-1/2
08.287	80	3
08.288	100	4
08.289	160	6



CROSS UNION WITH 5 PORTS

No	Thread (F) NPT
08.986	1/2
08.988	1
08.990	1-1/2





THREADED CAP FOR CROSS UNION

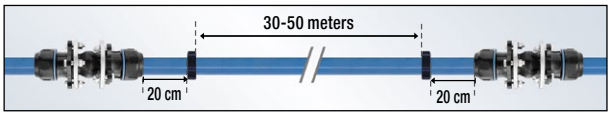
No	Thread (F) NPT
08.992	1/2
08.994	1
08.996	1-1/2



TECH TIP

It is strongly recommended to install an expansion joint every 30 or 50 meters of piping according to the pipe diameter.

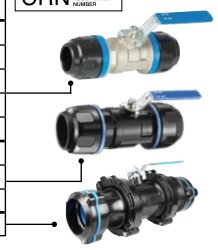
For all the details, see S08 Design Guide on topring.com



16 TO 160 MM BALL VALVES

BALL VALVE

No	Pipe mm	Pipe in
08.420	16	1/2
08.421	20	3/4
08.422	25	1
08.423	32	1-1/4
08.424	40	1-1/2
08.425.02	50	2
08.426.02	63	2-1/2
08.427.02	80	3
08.428.02	100	4



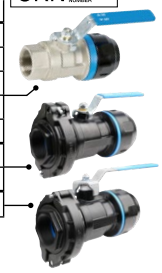
MALE BALL VALVE

No	Pipe mm	Pipe in	Thread (M) NPT
08.410	16	1/2	1/2
08.411	20	3/4	1/2
08.412	25	1	3/4
08.413	32	1-1/4	1
08.414	40	1-1/2	1-1/4
08.415	50	2	1-1/2



FEMALE BALL VALVE

No	Pipe mm	Pipe in	Thread (F) NPT
08.400	16	1/2	1/2
08.401	20	3/4	1/2
08.402	25	1	3/4
08.403	32	1-1/4	1
08.404	40	1-1/2	1-1/4
08.405	50	2	1-1/2
08.406	63	2-1/2	2
08.407	80	3	2-1/2



MALE-FEMALE BALL VALVE

No	Thread NPT Inlet (M)	Thread NPT Outlet (F)
08.399	1/2	1/2



Can be installed on a 1/2 (F) threaded saddle tee to perform pressure drilling with drilling tool 08.596

BUTTERFLY BALL VALVE

No	Pipe mm	Pipe in
08.429	160	6



STEEL BUTTERFLY BALL VALVE

No	Tube mm	Tube in
08.956.10	160	6



LOCKING KIT FOR BALL VALVE

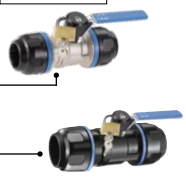
No	Pipe mm	Pipe in
08.491	16 • 20 • 25	1/2 • 3/4 • 1
08.492	32 • 40	1-1/4 • 1-1/2
08.493	50 • 63	2 • 2-1/2



- Ensure safety during maintenance operations
- Ideal for isolating parts of the compressed air piping system
- Padlock included

BALL VALVE WITH LOCKING HANDLE

No	Pipe mm	Pipe in
08.420.01	16	1/2
08.421.01	20	3/4
08.422.01	25	1
08.423.01	32	1-1/4
08.424.01	40	1-1/2
08.425.03	50	2
08.426.03	63	2-1/2



Locking kit included

MALE BALL VALVE WITH LOCKING HANDLE

No	Pipe mm	Pipe in	Thread (M) NPT
08.410.01	16	1/2	1/2
08.411.01	20	3/4	1/2
08.412.01	25	1	3/4
08.413.01	32	1-1/4	1
08.414.01	40	1-1/2	1-1/4
08.415.01	50	2	1-1/2



Locking kit included

FEMALE BALL VALVE WITH LOCKING HANDLE

No	Pipe mm	Pipe in	Thread (F) NPT
08.400.01	16	1/2	1/2
08.401.01	20	3/4	1/2
08.402.01	25	1	3/4
08.403.01	32	1-1/4	1
08.404.01	40	1-1/2	1-1/4
08.405.01	50	2	1-1/2
08.406.01	63	2-1/2	2
08.407.01	80	3	2-1/2



Locking kit included

BALL VALVE WITH LOCKING HANDLE

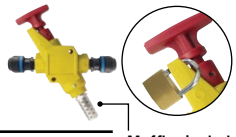
No	Pipe mm	Pipe in
08.431	20	3/4
08.432	25	1
08.433	32	1-1/4



Padlock not incuded

LOCKOUT VALVE WITH LOCKING HANDLE

No	Pipe mm	Pipe in
08.440	16	1/2
08.441	20	3/4
08.442	25	1
08.445	16	1/2
08.446	20	3/4
08.447	25	1



Muffler included

Padlock not incuded

TECH TIP

We strongly advise the use of FKM (fluoroelastomer) seals for aluminum fittings inside the compressor room. The use of standard NBR seals in these environments might cause premature degradation, leaks and system outages.

REPLACEMENT PARTS FOR COMPRESSION FITTINGS 16 TO 160 MM

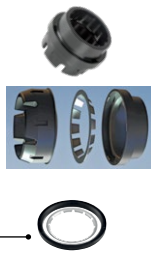
COMPRESSION NUT

No	Pipe mm	Pipe in
08.760	16	1/2
08.761	20	3/4
08.762	25	1
08.763	32	1-1/4
08.764	40	1-1/2
08.765	50	2
08.766	63	2-1/2
08.767	80	3



INTERNAL PARTS KIT

No	Pipe mm	Pipe in
08.780	16	1/2
08.781	20	3/4
08.782	25	1
08.783	32	1-1/4
08.784	40	1-1/2
08.785	50	2
08.786	63	2-1/2
08.787	80	3
08.788	100	4



NBR DOUBLE LOBE SEAL

No	Pipe mm	Pipe in	Quantity per package
08.770	16	1/2	10
08.771	20	3/4	10
08.772	25	1	10
08.773	32	1-1/4	10
08.774	40	1-1/2	5
08.775	50	2	5
08.776	63	2-1/2	2
08.777	80	3	2
08.778	100	4	2
08.779	160	6	1



BYPASS SADDLE TEES NBR O-RING SEAL

No	Pipe mm	Pipe in	Quantity per package
08.742	25	1	10
08.743	32	1-1/4	
08.744	40	1-1/2	
08.745	50	2	
08.746	63	2-1/2	
08.747	80	3	
08.748	100	4	



FKM O-RING SEAL

No	Pipe mm	Pipe in	Quantity per package
08.750*	16	1/2	10
08.751	20	3/4	10
08.752	25	1	10
08.753	32	1-1/4	10
08.754	40	1-1/2	5
08.755	50	2	5
08.756	63	2-1/2	2
08.757	80	3	2
08.758	100	4	2
08.759	160	6	1



- High resistance to chemical substances
- Used mainly in the compressor room

COMPACT CONNECTION FITTINGS 50 TO 160 MM

STRAIGHT UNION

No	Pipe mm	Pipe in
08.943.06	50	2
08.943.07	63	2-1/2
08.943.08	80	3
08.943.09	100	4
08.943.10	160	6



90° ELBOW UNION

No	Pipe mm	Pipe in
08.940.06	50	2
08.940.07	63	2-1/2
08.940.08	80	3
08.940.09	100	4



TEE UNION

No	Pipe mm	Pipe in
08.941.06	50	2
08.941.07	63	2-1/2
08.941.08	80	3
08.941.09	100	4



TEE UNION

No	Pipe mm	Pipe in
08.942.09	100	4



TEE UNION

No	Pipe mm	Pipe in
08.949.06	50	2
08.949.07	63	2-1/2
08.949.08	80	3
08.949.09	100	4
08.949.10	160	6



THREADED MALE ADAPTER

No	Pipe mm	Pipe in	Thread (M) NPT
08.959.06	50	2	1-1/4
08.950.06	50	2	1-1/2
08.959.07	63	2-1/2	1-1/2
08.950.07	63	2-1/2	2
08.959.08	80	3	2
08.950.08	80	3	2-1/2



THREADED FEMALE ADAPTER

No	Pipe mm	Pipe in	Thread (F) NPT
08.951.06	50	2	1
08.952.06	50	2	1-1/2
08.951.07	63	2-1/2	1-1/2
08.952.07	63	2-1/2	2
08.951.08	80	3	2
08.952.08	80	3	2-1/2
08.951.09	100	4	2
08.952.09	100	4	3
08.951.10	160	6	2
08.952.10	160	6	3



CROSS UNION

No	Pipe mm	Pipe in
08.960.06	50	2
08.960.07	63	2-1/2
08.960.08	80	3
08.960.09	100	4
08.960.10	160	6





45° LARGE RADIUS ELBOW UNION

No	Pipe mm	Pipe in
08.938.06	50	2
08.938.07	63	2-1/2
08.938.08	80	3
08.938.09	100	4
08.938.10	160	6



90° LARGE RADIUS UNION ELBOW

No	Pipe mm	Pipe in
08.939.06	50	2
08.939.07	63	2-1/2
08.939.08	80	3
08.939.09	100	4
08.939.10	160	6



STRAIGHT FITTING WITH FLANGE

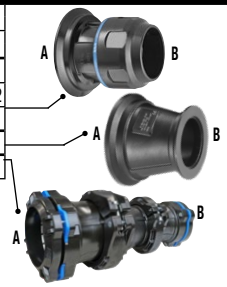
No	Pipe mm	Pipe in	Quantity of bolts required (short or long)
08.397.06	50	2	4
08.397.07	63	2-1/2	
08.397.08	80	3	
08.397.09	100	4	8
08.397.10	160	6	



Bolts are not included. Order the quantities and length of bolts required according to the type of assembly

REDUCER

No	Pipe A mm	Pipe A in	Pipe B mm	Pipe B in
08.946	63	2-1/2	50	2
08.945	80	3	63	2-1/2
08.944	100	4	80	3
08.964	160	6	100	4
08.328	160	6	100	4



REPLACEMENT PARTS FOR COMPACT CONNECTION FITTINGS

NBR GASKET SEAL

No	Pipe mm	Pipe in
08.954.06	50	2
08.954.07	63	2-1/2
08.954.08	80	3
08.954.09	100	4
08.954.10	160	6



FKM GASKET SEAL

No	Pipe mm	Pipe in
08.955.06	50	2
08.955.07	63	2-1/2
08.955.08	80	3
08.955.09	100	4
08.955.10	160	6



- High resistance to chemical substances
- Used mainly in the compressor room

BALL VALVE

No	Pipe mm	Pipe in
08.961.07	63	2-1/2
08.961.08	80	3



BALL VALVE

No	Pipe mm	Pipe in
08.962.07	63	2-1/2
08.962.08	80	3
08.962.09	100	4



EXPANSION JOINT PART

No	Pipe mm	Pipe in	Quantity of bolts required (short or long)
08.963.06	50	2	4
08.963.07	63	2-1/2	
08.963.08	80	3	
08.963.09	100	4	8
08.963.10	160	6	



No Canadian Registration Number (CRN)
Bolts are not included. Order the quantities and length of bolts required according to the type of assembly

CAP

No	Pipe mm	Pipe in
08.953.09	100	4
08.953.10	160	6



COMPACT CONNECTION ACCESSOIRIES

V-CLAMP

No	Pipe mm	Pipe in
08.947.06	50	2
08.947.07	63	2-1/2
08.947.08	80	3
08.947.09	100	4
08.947.10	160	6



FLANGE

No	Pipe mm	Pipe in	Quantity of bolts required (short or long)
08.948.06	50	2	4
08.948.07	63	2-1/2	
08.948.08	80	3	
08.948.09	100	4	8
08.948.10	160	6	



Bolts are not included. Order the quantities and length of bolts required according to the type of assembly

SHORT BOLT FOR COMPACT CONNECTION

No	Thread	Length mm	Quantity per package
08.957	M16	65	4



LONG BOLT FOR COMPACT CONNECTION

No	Thread	Length mm	Quantity per package
08.958	M16	120	4



PNEUMATIC PILOTED VALVES

- Ideal for isolating sections of the air network that are hard to reach
- Allows to quickly and safely open and close the main air supply from the ground
- Guarantees the safety of people by eliminating any risk associated with working at height
- Normally closed valve

THREADED VALVE

No	Pipe mm	Pipe in	Thread (F) NPT
08.479	16	1/2	1/2
08.480	20	3/4	3/4
08.481	25	1	1



COMPRESSION VALVE

No	Pipe mm	Pipe in
08.482	40	1-1/2
08.483	50	2
08.484	63	2-1/2
08.485	80	3



COMPACT CONNECTION VALVE

No	Pipe mm	Pipe in
08.970.09	100	4



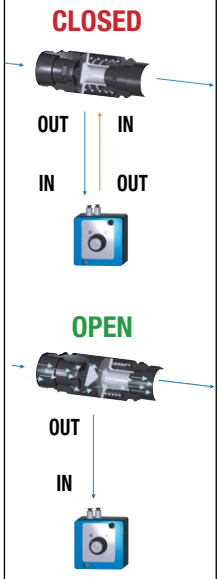
TECH TIP

In order to avoid mechanical shocks in the piping and downstream equipment when opening the piloted valve switch, it is recommended to install a flow controller on the “Closing Port” line near the key or the button switch (for the programmable switch, it is already installed inside the housing).

This will allow a gradual opening in 3 to 5 seconds instead of a sudden opening of 0.5 second.

OPERATION

Service pressure
> 36 to 232 PSI



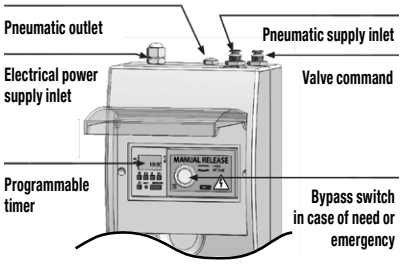
SWITCHS FOR PILOTED VALVE

ELECTRIC PROGRAMMABLE SWITCH/110 VAC

No
08.487



Stores up to 16 opening and closing programs
(month/week/day/etc.)



BUTTON SWITCH

No
08.488



KEY SWITCH

No
08.489



POLYAMIDE TUBE FOR VALVE CONTROL

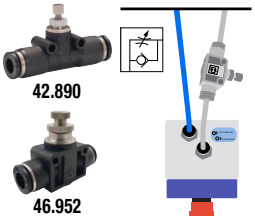
12 M (40 FT) DOUBLE TUBE / 2 X 4 MM DIA.

No
08.490



Connects the pneumatic valve to the switch

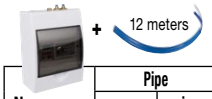
4 mm push-to-connect flow control valve with check valve



SWITCHES FOR PILOTED VALVES

Each kit includes a pneumatic valve with a choice of button switch, key switch or electric programmable switch, a 12 meters double connection tube and a flow controller.

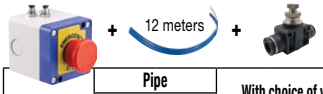
WITH PROGRAMMABLE SWITCH



Flow controller included inside the box

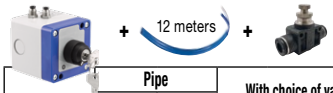
No	Pipe mm	Pipe in	With choice of valve
			Threaded valve (F) NPT
08.487.02	16	1/2	1/2
08.487.03	20	3/4	3/4
08.487.04	25	1	1
			Non threaded valve
08.487.05	40	1-1/2	
08.487.06	50	2	
08.487.07	63	2-1/2	
08.487.08	80	3	
08.487.09	100	4	

WITH BUTTON SWITCH



No	Pipe mm	Pipe in	With choice of valve
			Threaded valve (F) NPT
08.488.02	16	1/2	1/2
08.488.03	20	3/4	3/4
08.488.04	25	1	1
			Non threaded valve
08.488.05	40	1-1/2	
08.488.06	50	2	
08.488.07	63	2-1/2	
08.488.08	80	3	
08.488.09	100	4	

WITH KEY SWITCH

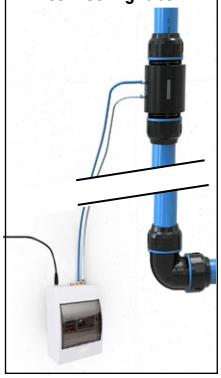


No	Pipe mm	Pipe in	With choice of valve
			Threaded valve (F) NPT
08.489.02	16	1/2	1/2
08.489.03	20	3/4	3/4
08.489.04	25	1	1
			Non threaded valve
08.489.05	40	1-1/2	
08.489.06	50	2	
08.489.07	63	2-1/2	
08.489.08	80	3	
08.489.09	100	4	

TYPICAL INSTALLATION

Choice of 3 switches
Choice of 3 valves

12 meters x 4 mm double connecting tube



MANUAL OR AUTOMATIC DRAIN UNITS

MANUAL DRAIN ASSEMBLY

No	Pipe mm	Pipe in
08.601	20	3/4
08.602	25	1

Includes: Brass ball valve, 20 or 25 mm fitting, 3/8 x 12 in (30.5 cm), Polymer hose with hose barb and hose clamp



AUTOMATIC DRAIN ASSEMBLY

No	Pipe mm	Pipe in
08.606	20	3/4
08.607	25	1

Includes: 130 ml liquid capacity drain, ball valve, Y strainer, and 20 or 25 mm fitting



AUTOMATIC DRAIN ASSEMBLY

No	Pipe mm	Pipe in
08.611	20	3/4
08.612	25	1

Includes: 400 ml liquid capacity drain and 20 or 25 mm fitting



INSTALLATION ACCESSORIES

PIPE MOUNTING CLIP

No	Pipe mm	Pipe in	Qty
08.700	16	1/2	5
08.701	20	3/4	
08.702	25	1	
08.703	32	1-1/4	
08.704	40	1-1/2	5
08.705	50	2	
08.706	63	2-1/2	
08.707	80	3	
08.708	100	4	



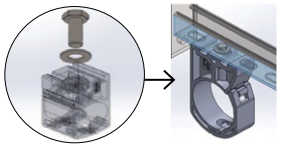
Note: Integrated nut for ceiling installation with threaded rod 3/8 UNC



INSTALLATION KIT FOR PIPE MOUNTING CLIP ON SLOTTED STRUT CHANEL 1-5/8 X 1-5/8 IN

No	Pipe mm	Pipe in	Qty
08.514	16 to 100	1/2 to 4	10

Each pack includes: 1x flat washer, 1x hexagonal cap screw 3/8 UNC



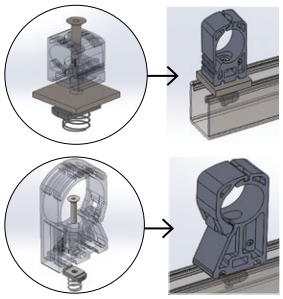
INSTALLATION KIT FOR PIPE MOUNTING CLIP ON STANDARD STRUT CHANEL 1-5/8 X 1-5/8 IN

No	Pipe mm	Pipe in	Qty
08.516	16 to 32	1/2 to 1-1/4	5

Each pack includes: 1x spring nut, 1x 1/4" Phillips flat head bolt, 51x square washer

08.517	40 to 100	1-1/2 to 4	5

Each pack includes: 1x spring nut, 1x 1/4" Phillips flat head bolt



CANTELEVER ARM • 1-5/8 X 1-5/8 IN

No	Length/in
08.510	6
08.511	12

For wall mounting



STRUT CHANNEL • 1-5/8 X 1-5/8 IN

No	Length/ft
08.513	10

For ceiling mounting



THREADED ROD • 10 FT

No	Thread UNC
08.545	3/8 -16
08.548	1/2 -13



HEXAGONAL NUT FOR THREADED ROD

No	Thread UNC	Qty
08.546	3/8 -16	10
08.549	1/2 -13	1



SWIVEL LOOP PIPE HANGER

No	Pipe mm	Pipe in	Thread UNC	Qty
08.531	20	1/2 - 3/4	3/8 - 16	10
08.532	25	1		
08.533	32	1-1/4		
08.534	40	1-1/2		
08.535	50	2		
08.536	63	2-1/2		
08.537	80	3		5
08.536.01	63	2-1/2	1/2 - 13	5
08.537.01	80	3		
08.538.01	100	4		
08.539.01	160	6		1





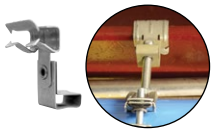
I-BEAM CLAMP

No	Max beam thickness/in	Thread UNC	Qty
08.543	0 - 3/4	3/8 -16	10
08.543.01	0 - 3/4	1/2 -13	1



I-BEAM MOUNTING CLIP

No	Beam thick-ness/in	Thread UNC	Qty
08.540	1/8 - 1/4	3/8 -16	10
08.541	3/8 - 1/2	3/8 -16	
08.542	1/2 - 3/4	3/8 -16	

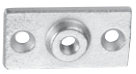


SCREW

No	Thread UNC	Qty
08.547	3/8 -16	10
08.550	1/2 -13	1

CEILING FLANGE

No	Thread UNC	Qty
08.508	3/8 -16	5
08.509	1/2 -13	



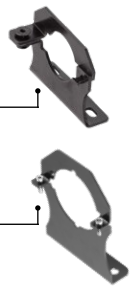
SUSPENSION PIPE CLIP

No	Pipe mm	Pipe in	Thread UNC	Qty
08.521	20	1/2 - 3/4	3/8 - 16	5
08.522	25	1		
08.523	32	1-1/4		
08.524	40	1-1/2		
08.525	50	2		
08.526	63	2-1/2		
08.527	80	3		
08.528	100	4	1/2 - 13	1
08.529	160	6		



BRACKET FOR BALL VALVE

No	Pipe mm	Pipe in
08.984.01	16	1/2
08.984.02	20	3/4
08.984.03	25	1
08.984.04	32	1-1/4
08.984.05	40	1-1/2
08.984.06	50	2
08.985.07	63	2-1/2
08.985.08	80	3
08.985.09	100	4



BRACKET FOR BALL VALVE WITH FLANGE

No	Pipe mm	Pipe in
08.984.09	100	4
08.984.10	160	6



SPACER FOR PIPE MOUNTING CLIP

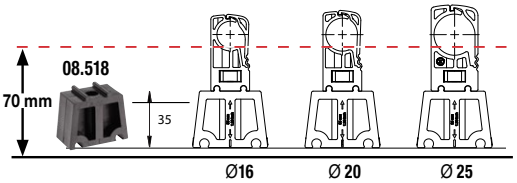
No	Thickness mm	For tube diameter mm	For tube diameter in	Qty
08.518	35	16 to 32	1/2 to 1-1/4	5

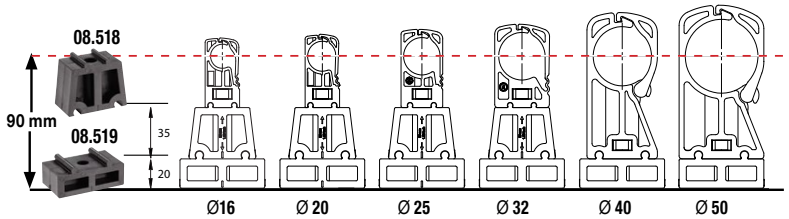


No	Thickness mm	For tube diameter mm	For tube diameter in	Qty
08.519	20	40 to 50	1-1/2 to 2	5



The spacer combined with the pipe mounting clip allows perfect alignment of pipes with different diameters.





Examples of mounting clip and clip spacer combinations with a 70 and 90 mm space between the wall and the pipe centre

PIPE TOOLS

PIPE CUTTER

No	For pipe mm	For pipe in
08.581	16 to 25	1/2 to 1
08.583	16 to 63	1/2 to 2-1/2
08.585	50 to 100	2 to 4
08.594	100 and 160	4 and 6



BLADE

No	Qty of blades	For pipe cutter
08.582	2	08.581
08.584		08.583
08.586		08.585
08.595		08.594



PIPE SPANNER WRENCH

No	Pipe mm	Pipe in
08.560	16	1/2
08.561	20	3/4
08.562	25	1
08.563	32	1-1/4
08.564	40	1-1/2
08.565	50	2
08.566	63	2-1/2
08.567	80	3





ADJUSTABLE PIPE SPANNER WRENCH

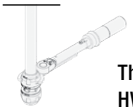
No	Pipe mm	Pipe in
08.569	16 to 80	1/2 to 3



TORQUE WRENCH

No	Square driver	Maximum unscrew torque (Nm)
08.573	3/8	6 to 30
08.574	3/8	20 to 100







The 08.573 includes 5 sockets: HW4, HW5, HW6, HW7, HW8

CHAMFER TOOL

No	Pipe mm	Pipe in
08.587	16 to 32	1/2 to 1-1/4
08.588	16 to 50	1/2 to 2
08.589	63 to 100	2-1/2 to 4





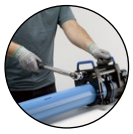


PIPE INSERTION TOOL

No	Pipe mm	Pipe in
08.598	63 – 80 – 100	2-1/2 – 3 – 4
08.599	160	6

Facilitates pipe-fitting assembly









GEL LUBRICANT FOR PIPE AND FITTING

No	Size
08.579	200 ml

- Facilitates pipe and fitting connection without any drip
- NSF H1 certified for the food industry
- Easy to use integrated brush



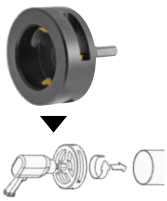


CHAMFER TOOL FOR DRILL

No	Pipe mm	Pipe in
08.592	16 to 50	1/2 to 2



08.551	16 and 20	1/2 and 3/4
08.552	25	1
08.553	32	1-1/4
08.554	40	1-1/2
08.555	50	2
08.556	63	2-1/2
08.557	80	3
08.558	100	4
08.559	160	6



INSTALLATION TOOL KIT

No	
08.593	Includes: 1 pipe cutter, 1 deburring tool, 1 marker, 2 drilling tools, 1 chamfer tool, 1 carrying case



SPANNER WRENCH KIT

No	For pipe mm	For pipe in	
08.570	16 to 32	1/2 to 1-1/4	Includes: 2 or 4 tightening wrenches, 1 marker pen, 1 carrying case
08.571	40 to 50	1-1/2 to 2	



DEBURRING TOOL

No	
08.590	Deburring tool
08.591	Replacement blades (2x)



CHAMFERRING TOOL KIT FOR DRILL *

No	For pipe mm	For pipe in	
08.895	16 to 50	1/2 to 2	Includes: 5 chamfering tools for drill, 1 hex drill bit adapter, 1 carrying case



08.896	63 to 100	2-1/2 to 4	Includes: 3 chamfering tools for drill, 1 hex drill bit adapter, 1 carrying case



DRILLING BIT

No	Drilling diameter mm	Drilling diameter in	For pipe mm	For pipe in
08.575	16	5/8	25 to 32	1 to 1-1/4
08.576	22	55/64	40 to 50	1-1/2 to 2
08.577	30	1-3/16	63 to 80	2-1/2 to 3
08.578	40	1-9/16	100	4
08.580	64	2-1/2	160	6



- For the installation of bypass saddle tee
- Integrated stop bumper to prevent a complete perforation of the pipe during drilling operations of the saddle tee

DRILLING TOOL KIT *

No	For pipe mm	For pipe in	
08.897	16 to 100	1 to 4	Includes: Bits for drilling diameters 16 to 40 mm for 16 to 100 mm (1/2 to 4 in) pipe diameters, 1 carrying case



DRILLING TOOL FOR PRESSURIZED DRILLING

No	Drilling tool mm	Drilling tool in	For pressurized drilling with (F) NPT thread bypass saddle tee
08.596	8.5	11/32	1/2
08.597	22	55/64	1



A saddle tee with ball valve is required when using the pressurized drilling tool

PRESSURE DRILLING TOOL KIT *

No	
08.898	Includes: 2 drill bits for drilling diameters 8.5 and 22 mm, 1 carrying case For bypass saddle tee for pressurized drilling with 1/2 or 1 (F) NPT thread



* See availability on topring.com

WALL MANIFOLDS

WITH 1 QUICK COUPLER | **WITH 2 QUICK COUPLERS** | **WITH 3 QUICK COUPLERS**

Each assembly includes: wall manifold, drain, ball valve with fitting and 1, 2 or 3 quick couplers

QUIKSILVER 1/4 INDUSTRIAL

No	Pipe mm	Pipe in
08.454	16	1/2
08.455	20	3/4



QUIKSILVER 1/4 INDUSTRIAL

No	Pipe mm	Pipe in
08.464	16	1/2
08.465	20	3/4
08.466	25	1



QUIKSILVER 1/4 INDUSTRIAL

No	Pipe mm	Pipe in
08.474	16	1/2
08.475	20	3/4
08.476	25	1



TOPQUIK 1/4 INDUSTRIAL

No	Pipe mm	Pipe in
08.454.03	16	1/2
08.455.03	20	3/4



TOPQUIK 1/4 INDUSTRIAL

No	Pipe mm	Pipe in
08.464.03	16	1/2
08.465.03	20	3/4
08.466.03	25	1



TOPQUIK 1/4 INDUSTRIAL

No	Pipe mm	Pipe in
08.474.03	16	1/2
08.475.03	20	3/4
08.476.03	25	1



TOPQUIK S1 1/4 INDUSTRIAL

No	Pipe mm	Pipe in
08.454.05	16	1/2
08.455.05	20	3/4



TOPQUIK S1 1/4 INDUSTRIAL

No	Pipe mm	Pipe in
08.464.05	16	1/2
08.465.05	20	3/4
08.466.05	25	1



TOPQUIK S1 1/4 INDUSTRIAL

No	Pipe mm	Pipe in
08.474.05	16	1/2
08.475.05	20	3/4
08.476.05	25	1



QUIKSILVER ULTRAFLO

No	Pipe mm	Pipe in
08.454.02	16	1/2
08.455.02	20	3/4



QUIKSILVER ULTRAFLO

No	Pipe mm	Pipe in
08.464.02	16	1/2
08.465.02	20	3/4
08.466.02	25	1



QUIKSILVER ULTRAFLO

No	Pipe mm	Pipe in
08.474.02	16	1/2
08.475.02	20	3/4
08.476.02	25	1



TOPQUIK ULTRAFLO

No	Pipe mm	Pipe in
08.454.04	16	1/2
08.455.04	20	3/4



TOPQUIK ULTRAFLO

No	Pipe mm	Pipe in
08.464.04	16	1/2
08.465.04	20	3/4
08.466.04	25	1



TOPQUIK ULTRAFLO

No	Pipe mm	Pipe in
08.474.04	16	1/2
08.475.04	20	3/4
08.476.04	25	1



TOPQUIK S1 ULTRAFLO

No	Pipe mm	Pipe in
08.454.07	16	1/2
08.455.07	20	3/4



Requires #10 screws

TOPQUIK S1 ULTRAFLO

No	Pipe mm	Pipe in
08.464.07	16	1/2
08.465.07	20	3/4
08.466.07	25	1



TOPQUIK S1 ULTRAFLO

No	Pipe mm	Pipe in
08.474.07	16	1/2
08.475.07	20	3/4
08.476.07	25	1



TECH TIP

FOR AN OPTIMAL DROP INSTALLATION

Installation of one or more manifold spacers may be necessary if the distance between the wall and the centre of the pipe is greater than 35 mm. The wall manifold should be properly aligned with the centre of the pipe.

SPACER FOR 1 OUTLET MANIFOLD

No	Thickness
47.596	18 mm



Requires #10 screws



SPACER FOR 2 OR 3 OUTLET MANIFOLD

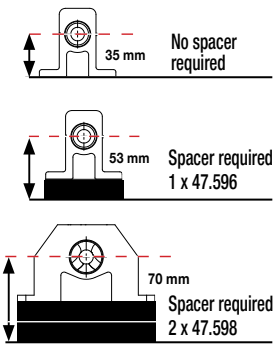
No	Thickness
47.598	18 mm



Requires #10 screws



Examples for spacer requirements



WITHOUT QUICK COUPLER

1 OUTLET

No	Pipe mm	Pipe in	Outlet (F) NPT
08.450	16	1/2	3/8
08.451	20	3/4	3/8



WITH BALL VALVE/1 OUTLET

No	Pipe mm	Pipe in	Outlet (F) NPT
08.448	16	1/2	3/8
08.449	20	3/4	3/8



2 OR 3 OUTLETS

No	Pipe mm	Pipe in	Outlet (F) NPT
08.460	16	1/2	1/2 (2/3x)
08.461	20	3/4	1/2 (2/3x)
08.462	25	1	1/2 (2/3x)



Requires #10 screws

WITH BALL VALVE/2 OR 3 OUTLETS

No	Pipe mm	Pipe in	Outlet (F) NPT
08.457	16	1/2	1/2 (2/3x)
08.458	20	3/4	1/2 (2/3x)
08.459	25	1	1/2 (2/3x)



QUICK COUPLER DESCRIPTIONS 1/4 INDUSTRIAL | ULTRAFLO

QUIKSILVER
- Delivers high air volume
- Automatic connection
- Easy connection under pressure





TOPQUIK
- Provides superior tool performance
- 2-step safe disconnection: downstream pressure automatically vented for easy disconnection at zero pressure





TOPQUIK S1
- Superior quality
- Safe disconnection in a single push: downstream pressure automatically vented for easy disconnection at zero pressure





COMBINED UNITS

Each kit includes:

- Filter Regulator unit or Filter Regulator + Lubricator unit combined unit with 5 micron element, semi-automatic drain and gauge
- Venting safety lock-out valve with high performance muffler
- 90° male elbows
- Piping adapters and mounting brackets
- Manifold with drain
- Available with 1 or 2 quick couplers or without quick coupler

FILTER REGULATOR UNITS

2x coupler outlets not shown

QUIKSILVER 1/4 INDUSTRIAL

No	Pipe mm	Pipe in	Coupler quantity
08.620	16	1/2	1
08.621	20	3/4	2
08.622	25	1	



TOPQUIK 1/4 INDUSTRIAL

No	Pipe mm	Pipe in	Coupler quantity
08.620.03	16	1/2	1
08.621.03	20	3/4	2
08.622.03	25	1	



TOPQUIK S1 1/4 INDUSTRIAL

No	Pipe mm	Pipe in	Coupler quantity
08.620.05	16	1/2	1
08.621.05	20	3/4	2
08.622.05	25	1	



QUIKSILVER ULTRAFLO

No	Pipe mm	Pipe in	Coupler quantity
08.620.02	16	1/2	1
08.621.02	20	3/4	2
08.622.02	25	1	



TOPQUIK ULTRAFLO

No	Pipe mm	Pipe in	Coupler quantity
08.620.04	16	1/2	1
08.621.04	20	3/4	2
08.622.04	25	1	



TOPQUIK S1 ULTRAFLO

No	Pipe mm	Pipe in	Coupler quantity
08.620.07	16	1/2	1
08.621.07	20	3/4	2
08.622.07	25	1	



FILTER REGULATOR+LUBRICATOR UNITS

1x coupler outlet not shown

QUIKSILVER 1/4 INDUSTRIAL

No	Pipe mm	Pipe in	Coupler quantity
08.630	16	1/2	1
08.631	20	3/4	2
08.632	25	1	



TOPQUIK 1/4 INDUSTRIAL

No	Pipe mm	Pipe in	Coupler quantity
08.630.03	16	1/2	1
08.631.03	20	3/4	2
08.632.03	25	1	



TOPQUIK S1 1/4 INDUSTRIAL

No	Pipe mm	Pipe in	Coupler quantity
08.630.05	16	1/2	1
08.631.05	20	3/4	2
08.632.05	25	1	



QUIKSILVER ULTRAFLO

No	Pipe mm	Pipe in	Coupler quantity
08.630.02	16	1/2	1
08.631.02	20	3/4	2
08.632.02	25	1	



TOPQUIK ULTRAFLO

No	Pipe mm	Pipe in	Coupler quantity
08.630.04	16	1/2	1
08.631.04	20	3/4	2
08.632.04	25	1	



TOPQUIK S1 ULTRAFLO

No	Pipe mm	Pipe in	Coupler quantity
08.630.07	16	1/2	1
08.631.07	20	3/4	2
08.632.07	25	1	



COMBINED UNITS WITHOUT QUICK COUPLER

FILTER REGULATOR

No	Pipe mm	Pipe in	Outlet (F) NPT
08.617	16	1/2	3/8 (1x)
08.618	20	3/4	1/2 (2/3x)
08.619	25	1	

2/3x outlets not shown



FILTER REGULATOR+LUBRICATOR

No	Pipe mm	Pipe in	Outlet (F) NPT
08.627	16	1/2	3/8 (1x)
08.628	20	3/4	1/2 (2/3x)
08.629	25	1	

1x outlet not shown



Manifold requires #10 screws

Plug included with the 2/3x outlets



ANTI-VIBRATION HOSES

- Designed for bypassing obstacles or overcoming misalignments in the piping system
- Ideal for connecting a compressor outlet to the piping system

CAUTION

An anti-vibration hose must always be installed between the compressor and the piping system to protect the system from vibrations and expansion forces.

STANDARD RUBBER

Length 24 in No	Length 48 in No	Fittings (M) NPT	Hose I.D. in	Minimum Bend Radius (in)	Braid
08.800	08.810	1/2	1/2	3-1/2	Simple
08.801	08.811	3/4	3/4	4-3/4	
08.802	08.812	1	1	6	
08.803	08.813	1-1/4	1-1/4	8-1/4	
08.804	08.814	1-1/2	1-1/2	10	
08.805	08.815	2	2	12-1/2	
08.806	08.816	2-1/2	2-1/2	15	Double
08.807	08.817	3	3	17-3/4	

Materials

Outer Layer: EPDM rubber
Inner Layer: Oil and heat-resistant rubber
Reinforcement: Steel wire

Specifications

Fluid Temperature: -40 to 100 °C
Maximum Inlet Pressure: 500 PSI





CRN APPROVED RUBBER

CRN CANADIAN REGISTRATION NUMBER

Length 24 in No	Length 48 in No	Fittings (M) NPT	Hose I.D. in	Minimum Bend Radius (in)	Braid
08.820	08.830	1/2	1/2	3-1/2	Simple
08.821	08.831	3/4	3/4	4-3/4	Double
08.822	08.832	1	1	6	
08.823	08.833	1-1/4	1-1/4	8-1/4	Quadruple
08.824	08.834	1-1/2	1-1/2	10	
08.825	08.835	2	2	12-1/2	

Materials

Outer Layer: EPDM rubber
Inner Layer: Synthetic rubber
Reinforcement: High tensile steel wire

Specifications

Fluid Temperature: -40 to 125 °C
Maximum Inlet Pressure: 3000 PSI

HIGH TEMPERATURE ANTI-VIBRATION HOSES / STAINLESS STEEL HOSE AND BRAID

- Flexible and corrugated, designed to reduce vibration and heat produced by the compressor
- Meets ISO 10380 specifications

HIGH TEMPERATURE STAINLESS STEEL WITH THREADED FITTINGS 12/14/24 IN

No	Fittings (M) NPT	Hose I.D. in	Length in	Maximum Misalignment in		Max Pressure PSI
08.840	1/2	1/2	12	1.240	5/8	1225
08.841	3/4	3/4		1.104	1/2	1034
08.842	1	1		0.920	7/16	796
08.843	1-1/4	1-1/4		0.490	1/4	600
08.844	1-1/2	1-1/2		0.427	1/4	557
08.845	2	2		0.399	3/16	570
08.846	2-1/2	2-1/2	14	0.135		398
08.847	3	3		0.125		327
08.850	1/2	1/2	24	1.65	3-5/8	1225
08.851	3/4	3/4		1.650	3	1034
08.852	1	1		1.880	2-5/8	796
08.853	1-1/4	1-1/4		2.55	2	600
08.854	1-1/2	1-1/2		2.94	1-3/4	557
08.855	2	2		3.14	1-7/16	570



Materials

Hose and Braid: Stainless steel
Fitting: Steel

Specifications

Fluid Temperature: -40 to 250 °C

HIGH TEMPERATURE STAINLESS STEEL WITH THREADED FITTINGS 12/24 IN

No	Flange	Hose I.D. in	Length in	Maximum Misalignment in		Max Pressure PSI
08.846.01	2-1/2	2-1/2	12	0.500	285	398
08.847.01	3	3		0.440	285	285
08.848	4	4		0.335	284	284
08.856.01	2-1/2	2-1/2	24	3.125	285	285
08.857.01	3	3		2.850	285	285
08.858	4	4		2.259	284	284



Materials

Hose and Braid: Stainless steel
Flange: Carbon steel
Ring: Stainless steel

Specifications

Fluid Temperature: -40 to 250 °C

PRODUCT SAMPLE KITS

PIPE AND FITTING SAMPLE IN A PLASTIC CASE

No
97.191



PRESENTATION CASE WITH PRODUCTS

No
97.194

Includes: pipe and fittings samples from 16 to 80 mm diameters



3D DISPLAY PANEL WITH PRODUCTS 24 X 32 IN

No	Description
96.908.05	French board
96.908.06	English board

Includes: Rigid 1/2 in thick board with aluminum pipes and components demonstrating the features and benefits of S08 compressed air piping system



DOCUMENTATION

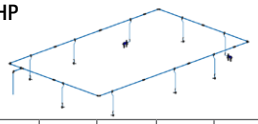
CONCEPTION GUIDE

INSTALLATION GUIDE

GUIDE TO DETERMINE THE MINIMUM DIAMETER PIPE SIZING FOR A COMPRESSED AIR NETWORK

1. Identify the type of network: closed loop or linear
2. Calculate the total length of the line (feet)
3. Determine the total flow required (SCFM)
4. Use charts below to identify the proper diameter size

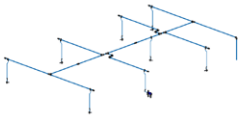
- Calculations based on total maximum pressure drop (△P) of no more than 3 PSIG for the entire network, at 100 PSIG at 15.5 °C
- Total flow required takes account of all flows for all compressed air powered tools and equipment
- Note that a typical compressor will produce approximately 4 SCFM per HP



Minimum diameter pipe sizing for a closed loop network

TOTAL LENGTH OF THE NETWORK (FEET)

TOTAL FLOW REQUIRED (SCFM)	100	150	200	250	300	400	500	600	700	800	900	1000	1250	1500	2000	2500	3000	4000	5000	6000	7000	8000
5	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	20	20
10	16	16	16	16	16	16	16	16	16	16	16	16	16	16	20	20	20	20	20	20	25	25
15	16	16	16	16	16	16	16	16	16	20	20	20	20	20	20	20	25	25	25	25	25	25
20	16	16	16	16	16	16	20	20	20	20	20	20	20	20	25	25	25	25	25	32	32	32
30	16	16	16	20	20	20	20	20	20	25	25	25	25	25	25	25	32	32	32	32	32	32
40	16	20	20	20	20	20	25	25	25	25	25	25	25	25	32	32	32	32	32	40	40	40
60	20	20	20	25	25	25	25	25	25	32	32	32	32	32	32	32	40	40	40	40	40	40
80	20	25	25	25	25	25	32	32	32	32	32	32	32	32	40	40	40	40	50	50	50	50
100	25	25	25	25	32	32	32	32	32	32	32	32	40	40	40	40	40	50	50	50	50	50
125	25	25	32	32	32	32	32	32	40	40	40	40	40	40	40	50	50	50	50	50	50	63
150	25	32	32	32	32	32	40	40	40	40	40	40	40	40	50	50	50	50	63	63	63	63
200	32	32	32	32	40	40	40	40	40	40	40	50	50	50	50	50	63	63	63	63	63	63
300	32	40	40	40	40	40	50	50	50	50	50	50	50	63	63	63	63	63	80	80	80	80
400	40	40	40	40	50	50	50	50	50	50	63	63	63	63	63	63	80	80	80	80	80	80
500	40	40	50	50	50	50	50	63	63	63	63	63	63	63	80	80	80	80	80	80	100	100
750	50	50	50	50	63	63	63	63	63	63	80	80	80	80	80	80	100	100	100	100	100	100
1000	50	63	63	63	63	63	63	80	80	80	80	80	80	80	100	100	100	100	100	160	160	160
1500	63	63	63	80	80	80	80	80	80	80	100	100	100	100	100	160	160	160	160	160	160	160
2000	63	80	80	80	80	80	100	100	100	100	100	100	100	160	160	160	160	160	160	160	160	160
2500	80	80	80	80	80	100	100	100	100	100	100	160	160	160	160	160	160	160	160	160	160	160
3000	80	80	80	100	100	100	100	100	160	160	160	160	160	160	160	160	160	160	160	160	160	
4000	80	100	100	100	100	100	160	160	160	160	160	160	160	160	160	160	160	160				
5000	100	100	100	100	160	160	160	160	160	160	160	160	160	160	160	160						
6000	100	100	160	160	160	160	160	160	160	160	160	160	160	160	160							
7000	100	160	160	160	160	160	160	160	160	160	160	160	160	160								
8000	100	160	160	160	160	160	160	160	160	160	160	160										
9000	160	160	160	160	160	160	160	160	160	160	160											
10000	160	160	160	160	160	160	160	160	160	160												



Minimum diameter pipe sizing for a linear network (dead end)

TOTAL LENGTH OF THE NETWORK (FEET)

TOTAL FLOW REQUIRED (SCFM)	25	50	75	100	150	200	250	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	4000
5	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	20	20	20	20	20
10	16	16	16	16	16	16	16	16	20	20	20	20	20	20	20	25	25	25	25	32
15	16	16	16	16	20	20	20	20	20	20	25	25	25	25	25	25	32	32	32	32
20	16	16	16	20	20	20	20	25	25	25	25	25	25	25	25	32	32	32	32	40
30	16	20	20	20	25	25	25	25	25	32	32	32	32	32	32	32	40	40	40	40
40	20	20	20	25	25	25	25	32	32	32	32	32	32	32	32	40	40	40	40	50
60	20	25	25	25	32	32	32	32	32	40	40	40	40	40	40	40	40	50	50	50
80	25	25	32	32	32	32	32	40	40	40	40	40	40	50	50	50	50	50	63	63
100	25	32	32	32	32	40	40	40	40	40	50	50	50	50	50	50	63	63	63	63
125	25	32	32	32	40	40	40	40	50	50	50	50	50	50	50	63	63	63	63	63
150	32	32	32	40	40	40	40	50	50	50	50	50	50	63	63	63	63	63	63	80
200	32	32	40	40	40	50	50	50	50	50	63	63	63	63	63	63	80	80	80	80
300	40	40	40	50	50	50	63	63	63	63	63	63	63	80	80	80	80	80	100	100
400	40	50	50	50	63	63	63	63	63	80	80	80	80	80	80	80	100	100	100	100
500	40	50	50	63	63	63	63	63	80	80	80	80	80	80	80	100	100	100	100	160
750	50	63	63	63	63	80	80	80	80	80	100	100	100	100	100	100	160	160	160	160
1000	50	63	63	80	80	80	80	80	100	100	100	100	100	100	160	160	160	160	160	160
1500	63	80	80	80	100	100	100	100	100	160	160	160	160	160	160	160	160	160	160	160
2000	63	80	80	100	100	100	100	160	160	160	160	160	160	160	160	160	160	160		
2500	80	80	100	100	100	160	160	160	160	160	160	160	160	160	160	160				
3000	80	100	100	100	160	160	160	160	160	160	160	160	160	160	160					
4000	100	100	160	160	160	160	160	160	160	160	160	160								
5000	100	160	160	160	160	160	160	160	160	160										
6000	100	160	160	160	160	160	160	160												
7000	100	160	160	160	160	160	160													
8000	160	160	160	160	160	160														
9000	160	160	160	160	160															
10000	160	160	160	160																

Note: Diameters are based on the CAGI Handbook recommendations for a pressure drop less than 3 PSI, taking into account the following conditions: pressure 100 PSIG at 20 °C, main loop including 2 ball valves and 4 elbows.

CAUTION

Installation of S08 compressed air piping system must be done according to the assembly instructions as indicated in the installation guide. Carefully read the design and installation guides prior proceeding (available on topring.com).



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