

PUSH-TO-CONNECT PNEUMATIC AIRLINE FITTINGS

OM-AIR Series

- Ready to Use, Pre-Applied Sealant on Tapered Threads and O-rings on Parallel Threads
- Releasable Stainless Steel Grab-Ring to Grip Nylon or Polyurethane
- Nickel Plated Brass Components
- Internal and External Hexagons on Straight Fittings
- Quality Sealing Using Silicone Free U-Packing
- Mounting Holes on all Union Fittings
- Standard and Metric Sizes for Compressed Air
- Temperature Operating Range 0 to 60°C (32 to 140°F)
- Operating Pressure 1.6 mm Hg to 10 bar (29.5" Hg to 150 psi)

Multiple Thread/Tube Selection Available, Std/Std, Metric/Std and Metric/Metric

SPECIFICATIONS

MATERIALS

Body: PBT

Seals: NBR (silicone free) u=packing and o-rings

Threaded Bodies: Nickel plated brass

Release Sleeves and Backing Ring: POM

Grab-Ring: Stainless steel

Collar: Nickel plated brass

Thread Sealant: Threebond 2350B

TUBE SIZES (OD)

Standard Sizes: 1/8, 5/32, 1/4 and 3/8"

Metric Sizes: 3, 4, 6 and 9.5 mm

THREAD SIZES

Standard Size Fittings:

10-32 UNF, 1/8" and 3/8" NPT, M5 and 1/2" ISO R

Miniature Size Fittings:

10-32 UNF, 1/8" NPT, M3, M5 and 1/2" ISO R

TUBE TYPES

Nylon: 11 or 12

Polyurethane: 85 or 95 durometer

Quickly connect
air supply to and from valves
& motion devices, flow control
valves & check valves

OM-AIR-C24880210
shown actual size.



OM-AIR-C24D30218
shown actual size.



OM-AIR-COK510405
shown larger than
actual size.



OM-AIR-C20290200
shown actual size.



Actual
size.

OM-AIR-M22250105 shown
larger than actual size.



OM-AIR-C20600200
shown actual size.



OM-AIR-C20400400
shown larger than
actual size.



OM-AIR-C24670210
shown actual size.



OM-AIR-T51P0006
shown actual size.



Method of Assembly



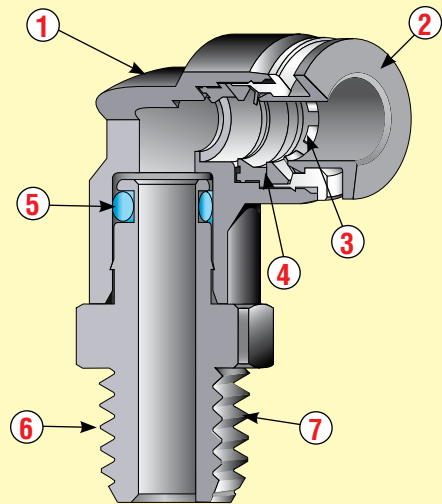
1. Ensure that the end tube is cut square and is free from burrs.

2. Push the tube through the release ring button and grab ring into the fitting.

3. Push the tube firmly through the 'O' ring until it bottoms on the tube stop, then pull back.

4. To disconnect, push the tube into the fitting, hold down the release button and withdraw the tube.

1. Impact Resistant PBT Body in Black for Pneufit® C and Light Gray for Pneufit® M.
2. Release Buttons are Red for Metric, Grey for Inch, and Light Grey Oval for Pneufit® M.
3. Stainless Steel Grab Ring with Special Design to Retain Softer Tube and Provide Easy Releasability.
4. Silicon Free U-Packing Provides Leak Tight Tube Seal Under Side Loading.
5. Stem Seal Provides Leak Tight 360° Swivel Connection.
6. Nickel Plated Brass Threads and Notches on Hex to Signify NPT.
7. Pre-Applied Thread Sealant on Tapered Threads and Recessed Captive O-Ring on Parallel Threads.



Shown larger than actual size.



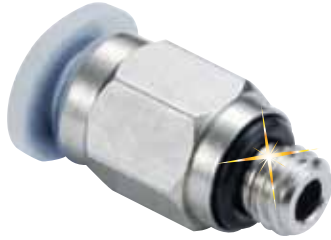
To Order

MALE STRAIGHT ADAPTOR (INTERNAL AND EXTERNAL HEX) MODEL NO. THREAD TUBE OD

MODEL NO.	THREAD	TUBE OD
OM-AIR-C24250210	10-32 UNF	5/32", 4 mm
OM-AIR-C24250410	10-32 UNF	1/4"
OM-AIR-C24250218	1/8 NPT	5/32", 4 mm
OM-AIR-C24250418	1/8 NPT	1/4"
OM-AIR-C24250618	1/8 NPT	3/8"
OM-AIR-C24250228	1/4 NPT	5/32", 4 mm
OM-AIR-C24250428	1/4 NPT	1/4"
OM-AIR-C24250628	1/4 NPT	3/8"
OM-AIR-C24250238	3/8 NPT	5/32", 4 mm
OM-AIR-C24250438	3/8 NPT	1/4"
OM-AIR-C24250638	3/8 NPT	3/8"
OM-AIR-C24250648	1/2 NPT	3/8"
OM-AIR-C02250405	M5	5/32", 4 mm
OM-AIR-C02250605	M5	6 mm
OM-AIR-C01250428	R1/4	5/32", 4 mm
OM-AIR-C01250628	R1/4	6 mm
OM-AIR-C01250828	R1/4	8 mm
OM-AIR-C21250428	R1/4	1/4"
OM-AIR-C21250628	R1/4	3/8"
OM-AIR-C01250418	R1/8	5/32", 4 mm
OM-AIR-C01250618	R1/8	6 mm
OM-AIR-C21250418	R1/8	1/4"
OM-AIR-C01250848	R1/2	8 mm

Ordering Example: OM-AIR-C24250210, male straight adaptor with internal and external hex with 10-32 UNF threads for use with 4 mm or 5/32" tubing.

All models shown larger than actual size.



To Order

MINIATURE MALE STRAIGHT ADAPTOR (INTERNAL AND EXTERNAL HEX)

MODEL NO.	THREAD	TUBE OD
OM-AIR-M22250103	M3	1/8"
OM-AIR-M02250403	M3	5/32", 4 mm
OM-AIR-M02250303	M3	3 mm
OM-AIR-M02250306	M5	3 mm
OM-AIR-M02250405	M5	5/32", 4 mm
OM-AIR-M22250105	M5	1/8"
OM-AIR-M24250110	10-32 UNF	1/8"
OM-AIR-M24250210	10-32 UNF	5/32", 4 mm

MALE STRAIGHT ADAPTOR (INTERNAL HEX)

OM-AIR-C242A0210	10-32 UNF	5/32", 4 mm
OM-AIR-C242A0410	10-32 UNF	1/4"
OM-AIR-C242A0218	1/8 NPT	5/32", 4 mm
OM-AIR-C242A0418	1/8 NPT	1/4"
OM-AIR-C242A0618	1/8 NPT	3/8"
OM-AIR-C022A0405	M5	5/32", 4 mm
OM-AIR-C022A0605	M5	6 mm
OM-AIR-M222A0405	M5	1/4"
OM-AIR-C012A0418	R1/8	5/32", 4 mm
OM-AIR-C012A0618	R1/8	6 mm
OM-AIR-C212A0418	R1/8	1/4"

MINIATURE MALE STRAIGHT ADAPTOR (INTERNAL HEX)

OM-AIR-M242A0110	10-32 UNF	1/8"
OM-AIR-M242A0210	10-32 UNF	5/32"
OM-AIR-M222A0103	M3	1/8"
OM-AIR-M022A0303	M3	3 mm
OM-AIR-M022A0403	M3	4 mm
OM-AIR-M022A0305	M5	3 mm
OM-AIR-M012A0418	R1/8	4 mm

FEMALE STRAIGHT ADAPTOR

OM-AIR-C24260218	1/8 NPT	5/32", 4 mm
OM-AIR-C24260418	1/8 NPT	1/4"
OM-AIR-C24260228	1/4 NPT	5/32", 4 mm
OM-AIR-C24260428	1/4 NPT	1/4"
OM-AIR-C24260628	1/4 NPT	3/8"
OM-AIR-C24260438	3/8 NPT	1/4"
OM-AIR-C24260638	3/8 NPT	3/8"
OM-AIR-C24260648	1/2 NPT	3/8"
OM-AIR-C02260428	1/4 G	4 mm
OM-AIR-C02260628	1/4 G	6 mm
OM-AIR-C02260828	1/4 G	8 mm
OM-AIR-C21260428	1/4 G	1/4"
OM-AIR-C02260848	1/2 G	8 mm

Ordering Example: OM-AIR-C022A0405, male straight adaptor with internal hex, narrow diameter for confined areas, use hex wrench to install; M5 threads for use with either 4 mm or 5/32" tubing.

All models shown larger than actual size.



To Order

90° SWIVEL ELBOW EXTENDED

MODEL NO.	THREAD	TUBE OD
OM-AIR-C24540210	10-32 UNF	5/32", 4 mm
OM-AIR-C24540410	10-32 UNF	1/4"
OM-AIR-C24540218	1/8 NPT	5/32", 4 mm
OM-AIR-C24540418	1/8 NPT	1/4"
OM-AIR-C24540228	1/4 NPT	5/32", 4 mm
OM-AIR-C24540428	1/4 NPT	1/4"
OM-AIR-C24540628	1/4 NPT	3/8"
OM-AIR-C24540438	3/8 NPT	1/4"
OM-AIR-C24540638	3/8 NPT	3/8"
OM-AIR-C24540648	1/2 NPT	3/8"
OM-AIR-C22540205	M5	5/32", 4 mm
OM-AIR-C22540405	M5	1/4"
OM-AIR-C02540605	M5	6 mm
OM-AIR-C01540418	R1/8	5/32", 4 mm
OM-AIR-C21540418	R1/8	1/4"
OM-AIR-C01540618	R1/8	6 mm
OM-AIR-C01540428	R1/4	5/32", 4 mm
OM-AIR-C21540428	R1/4	1/4"
OM-AIR-C01540628	R1/4	6 mm
OM-AIR-C01540828	R1/4	8 mm
OM-AIR-C01540848	R1/2	8 mm

90° SWIVEL ELBOW

OM-AIR-C24470210	10-32 UNF	5/32", 4 mm
OM-AIR-C24470410	10-32 UNF	1/4"
OM-AIR-C24470218	1/8 NPT	5/32", 4 mm
OM-AIR-C24470418	1/8 NPT	1/4"
OM-AIR-C24470228	1/4 NPT	5/32", 4 mm
OM-AIR-C24470428	1/4 NPT	1/4"
OM-AIR-C24470628	1/4 NPT	3/8"
OM-AIR-C24470438	3/8 NPT	1/4"
OM-AIR-C24470638	3/8 NPT	3/8"
OM-AIR-C24470648	1/2 NPT	3/8"
OM-AIR-C02470405	M5	5/32", 4 mm
OM-AIR-C02470605	M5	6 mm
OM-AIR-C01470418	R1/8	5/32", 4 mm
OM-AIR-C01470618	R1/8	6 mm
OM-AIR-C21470418	R1/8	1/4"
OM-AIR-C01470428	R1/4	5/32", 4 mm
OM-AIR-C01470628	R1/4	6 mm
OM-AIR-C01470828	R1/4	8 mm
OM-AIR-C21470428	R1/4	1/4"
OM-AIR-C21470628	R1/4	3/8"
OM-AIR-C01471048	R1/2	8 mm



Ordering Example: OM-AIR-C02470405, 90° swivel elbow with M5 threads for use with 4 mm or 5/32" tubing.

All models shown larger than actual size.



To Order

MINIATURE 90° SWIVEL ELBOW

MODEL NO.	THREAD	TUBE OD
OM-AIR-M24470110	10-32 UNF	1/8"
OM-AIR-M24470210	10-32 UNF	5/32", 4 mm
OM-AIR-M02470303	M3	3 mm
OM-AIR-M02470403	M3	5/32", 4 mm
OM-AIR-M22470103	M3	1/8"
OM-AIR-M02470305	M5	3 mm
OM-AIR-M02470405	M5	5/32", 4 mm
OM-AIR-M22470105	M5	1/8"
OM-AIR-M22470405	M5	1/4"
OM-AIR-M01470418	R 1/8"	5/32", 4 mm

90° SWIVEL ELBOW FEMALE



OM-AIR-C24480410	10-32 UNF	1/4"
OM-AIR-C24480210	10-32 UNF	5/32", 4 mm
OM-AIR-C24480418	1/8 NPT	1/4"
OM-AIR-C24480218	1/8 NPT	5/32", 4 mm
OM-AIR-C24480428	1/4 NPT	1/4"
OM-AIR-C24480628	1/4 NPT	3/8"
OM-AIR-C24480228	1/4 NPT	5/32", 4 mm
OM-AIR-C24480438	3/8 NPT	1/4"
OM-AIR-C24480648	1/2 NPT	3/8"
OM-AIR-C02480405	M5	5/32", 4 mm
OM-AIR-C02480605	M5	6 mm
OM-AIR-C01480418	R 1/8"	5/32", 4 mm
OM-AIR-C01480618	R 1/8"	6 mm
OM-AIR-C01480818	R 1/8"	8 mm
OM-AIR-C01480428	R 1/4"	5/32", 4 mm
OM-AIR-C01480628	R 1/4"	6 mm
OM-AIR-C01480828	R 1/4"	8 mm

SWIVEL SIDE TEE ADAPTOR



OM-AIR-C24680210	10-32 UNF	5/32", 4 mm
OM-AIR-C24680410	10-32 UNF	1/4"
OM-AIR-C24680218	1/8 NPT	5/32", 4 mm
OM-AIR-C24680618	1/8 NPT	3/8"
OM-AIR-C24680228	1/4 NPT	5/32", 4 mm
OM-AIR-C24680428	1/4 NPT	1/4"
OM-AIR-C24680628	1/4 NPT	3/8"
OM-AIR-C24680648	1/2 NPT	3/8"
OM-AIR-C02680405	M5	5/32", 4 mm
OM-AIR-C02680605	M5	6 mm
OM-AIR-C01680418	R 1/8"	5/32", 4 mm
OM-AIR-C01680618	R 1/8"	6 mm
OM-AIR-C01680428	R 1/4"	5/32", 4 mm
OM-AIR-C01680628	R 1/4"	6 mm
OM-AIR-C01680828	R 1/4"	8 mm
OM-AIR-C21680428	R 1/4"	1/4"
OM-AIR-C01680848	R 1/2"	8 mm

Ordering Example: OM-AIR-M02470405, miniature 90° swivel elbow with a M5 thread for use with 5/32" or 4 mm tubing.

All models shown
larger than actual size.



To Order

SWIVEL TEE ADAPTOR

MODEL NO.	THREAD	TUBE OD
OM-AIR-C24670210	10-32 UNF	5/32", 4 mm
OM-AIR-C24670218	1/8 NPT	5/32", 4 mm
OM-AIR-C24670228	1/4 NPT	5/32", 4 mm
OM-AIR-C24670428	1/4 NPT	1/4"
OM-AIR-C24670628	1/4 NPT	3/8"
OM-AIR-C24670648	1/2 NPT	3/8"
OM-AIR-C24670638	3/8 NPT	3/8"
OM-AIR-C02670405	M5	5/32", 4 mm
OM-AIR-C02670605	M5	6 mm
OM-AIR-C01670418	R1/8	5/32", 4 mm
OM-AIR-C01670618	R1/8	6 mm
OM-AIR-C01670428	R1/4	5/32", 4 mm
OM-AIR-C01670628	R1/4	6 mm
OM-AIR-C01670828	R1/4	8 mm
OM-AIR-C21670428	R1/4	1/4"
OM-AIR-C01670848	R1/2	8 mm

SWIVEL Y ADAPTOR



OM-AIR-C24880210	10-32 UNF	5/32", 4 mm
OM-AIR-C24880410	10-32 UNF	1/4"
OM-AIR-C24880218	1/8 NPT	5/32", 4 mm
OM-AIR-C24880418	1/8 NPT	1/4"
OM-AIR-C24880228	1/4 NPT	5/32", 4 mm
OM-AIR-C24880428	1/4 NPT	1/4"
OM-AIR-C24880628	1/4 NPT	3/8"
OM-AIR-C24880438	3/8 NPT	1/4"
OM-AIR-C24880638	3/8 NPT	3/8"
OM-AIR-C24880648	1/2 NPT	3/8"
OM-AIR-C02880405	M5	5/32", 4 mm
OM-AIR-C02880605	M5	6 mm
OM-AIR-C01880418	R1/8	5/32", 4 mm
OM-AIR-C01880618	R1/8	6 mm
OM-AIR-C21880415	R1/8	1/4"
OM-AIR-C01880428	R1/4	5/32", 4 mm
OM-AIR-C01880628	R1/4	6 mm
OM-AIR-C01880828	R1/4	8 mm
OM-AIR-C21880428	R1/4	1/4"
OM-AIR-C21880628	R1/4	3/8"
OM-AIR-C01880848	R1/2	8 mm

FEMALE BULKHEAD



OM-AIR-C24320218	1/8 NPT	5/32" OD
OM-AIR-C24320418	1/8 NPT	1/4"
OM-AIR-C24320328	1/4 NPT	3/16"
OM-AIR-C24320428	1/4 NPT	1/4"
OM-AIR-C24320628	1/4 NPT	3/8"
OM-AIR-C24320638	3/8 NPT	3/8"
OM-AIR-C02320428	1/4G	5/32", 4 mm
OM-AIR-C02320628	1/4G	6 mm
OM-AIR-C02320828	1/4G	8 mm

BULKHEAD UNION



OM-AIR-C20290200	—	5/32", 4 mm
OM-AIR-C20290400	—	1/4"
OM-AIR-C20290600	—	3/8"
OM-AIR-C20290300	—	6 mm

Ordering Example: OM-AIR-C24670428, swivel tee adaptor with 1/4 NPT threads for use with 1/4" tubing.

All models shown larger than actual size.



To Order

BANJO FLOW CONTROL (REGULATING OUT)

MODEL NO.	THREAD	TUBE OD
OM-AIR-C2VA00110	10-32 UNF	1/8"
OM-AIR-C2VA00210	10-32 UNF	5/32", 4 mm
OM-AIR-C2VA00410	10-32 UNF	1/4"
OM-AIR-C2VA00218	1/8 NPT	5/32", 4 mm
OM-AIR-C2VA00418	1/8 NPT	1/4"
OM-AIR-C2VA00228	1/4 NPT	5/32", 4 mm
OM-AIR-C2VA00428	1/4 NPT	1/4"
OM-AIR-C2VA00638	1/4 NPT	3/8"
OM-AIR-C0K510405	M5	5/32", 4 mm
OM-AIR-C0K510605	M5	6 mm
OM-AIR-C2VA00405	M5	1/4"
OM-AIR-C0TA00418	R 1/8"	5/32", 4 mm
OM-AIR-C0TA00618	R 1/8"	6 mm
OM-AIR-C2TA00418	R 1/8"	1/4"
OM-AIR-C0TA00628	R 1/4"	6 mm
OM-AIR-C0TA00828	R 1/4"	8 mm



BANJO FLOW CONTROL (REGULATING IN)

OM-AIR-C2WA00110	10-32 UNF	1/8"
OM-AIR-C2WA00210	10-32 UNF	5/32", 4 mm
OM-AIR-C2WA00410	10-32 UNF	1/4"
OM-AIR-C2WA00218	1/8 NPT	5/32", 4 mm
OM-AIR-C2WA00418	1/8 NPT	1/4"
OM-AIR-C2WA00228	1/4 NPT	5/32", 4 mm
OM-AIR-C2WA00428	1/4 NPT	1/4"
OM-AIR-C2WA00628	1/4 NPT	3/8"
OM-AIR-C2WA00438	3/8 NPT	1/4"
OM-AIR-C2WA00638	3/8 NPT	3/8"
OM-AIR-C0L510405	M5	5/32", 4 mm
OM-AIR-C0L510605	M5	6 mm
OM-AIR-C2WA00405	M5	1/4"
OM-AIR-C0SA00418	R 1/8"	5/32", 4 mm
OM-AIR-C0SA00618	R 1/8"	6 mm
OM-AIR-C0SA00628	R 1/4"	6 mm
OM-AIR-C0SA00828	R 1/4"	8 mm
OM-AIR-C2TA00428	R 1/4"	1/4"



IN-LINE FLOW CONTROL

OM-AIR-C20GE0200	—	5/32", 4 mm
OM-AIR-C20GE0400	—	1/4"
OM-AIR-C20GE0600	—	3/8"
OM-AIR-C00GE0600	—	6 mm
OM-AIR-C00GE0800	—	8 mm

Ordering Example: OM-AIR-C2VA00210, banjo flow control valve (regulating out) used to control speed on cylinders, slides and grippers with 10-32 UNF threads that can be used on 4 mm or 5/32" tubing.

All models shown larger than actual size.



To Order

STRAIGHT UNION (EQUAL)

MODEL NO.	TUBE OD	TUBE OD
OM-AIR-M20200100	—	1/8"
OM-AIR-C20200200	—	5/32", 4 mm
OM-AIR-C20200400	—	1/4"
OM-AIR-C20200600	—	3/8"
OM-AIR-M00200300	—	3 mm
OM-AIR-C00200600	—	6 mm

STRAIGHT UNION (UNEQUAL)

OM-AIR-M20200201	1/8"	5/32", 4 mm
OM-AIR-C00200604	5/32", 4 mm	6 mm
OM-AIR-C20200402	5/32", 4 mm	1/4"
OM-AIR-C20200604	1/4"	3/8"
OM-AIR-C00200806	6 mm	8 mm

UNION Y

OM-AIR-C20820200	5/32", 4 mm	5/32", 4 mm
OM-AIR-C20820400	1/4"	1/4"
OM-AIR-C20820402	1/4"	5/32", 4 mm
OM-AIR-C20820600	3/8"	3/8"
OM-AIR-C20820604	3/8"	1/4"
OM-AIR-C00820604	6 mm	5/32", 4 mm
OM-AIR-C00840600	6 mm	6 mm
OM-AIR-C00820800	8 mm	8 mm
OM-AIR-C00820806	8 mm	6 mm

UNION TEE

OM-AIR-C006A0604	5/32", 4 mm	6 mm
OM-AIR-C20600200	5/32", 4 mm	5/32", 4 mm
OM-AIR-C206A0402	5/32", 4 mm	1/4"
OM-AIR-C20600400	1/4"	1/4"
OM-AIR-C206A0604	1/4"	3/8"
OM-AIR-C20600600	3/8"	3/8"
OM-AIR-C00600600	6 mm	6 mm
OM-AIR-C006A0806	6 mm	8 mm
OM-AIR-C00600800	8 mm	8 mm

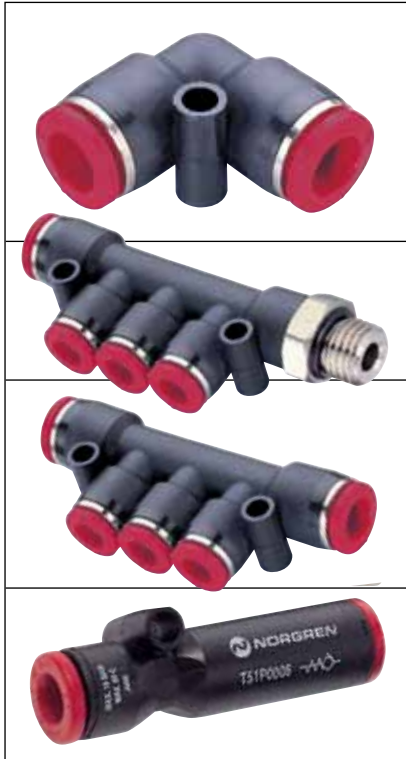
PLUG

OM-AIR-C00040400	5/32", 4 mm
OM-AIR-C20040400	1/4"
OM-AIR-C20040600	3/8"
OM-AIR-C00040600	6 mm
OM-AIR-C00040800	8 mm

STEM REDUCER

OM-AIR-C00230804	5/32", 4 mm	8 mm
OM-AIR-C20230201	5/32", 4 mm	1/8"
OM-AIR-C20230402	1/4"	5/32", 4 mm
OM-AIR-C20230604	3/8"	1/4"
OM-AIR-C00230604	5/32", 4 mm	6 mm
OM-AIR-C00230806	6 mm	8 mm

Ordering Example: OM-AIR-C20820402, "Y" union converts one 1/4" tube supply air into two 5/32" feeds.



To Order			
ELBOW UNION			
MODEL NO.	TUBE OD	TUBE OD	
OM-AIR-C20400200	5/32", 4 mm		
OM-AIR-C00400600	6 mm		
OM-AIR-C20400400	1/4"		
OM-AIR-C20400600	3/8"		
OM-AIR-C00400800	8 mm		
MANIFOLD ADAPTOR			
OM-AIR-C01D30418	R1/8"	6 to 4 mm	
OM-AIR-C24D30218	1/8 NPT	1/4 to 5/32"	
OM-AIR-C24D30438	3/8 NPT	3/8 to 1/4"	
MANIFOLD UNION			
OM-AIR-C00D30604	5/32", 4 mm	6 mm	
OM-AIR-C20D30402	1/4"	5/32", 4 mm	
OM-AIR-C20D30604	3/8"	1/4"	
OM-AIR-C00D30804	5/32", 4 mm	8 mm	
OM-AIR-C00D30806	6 mm	8 mm	
INLINE NON-RETURN VALVES			
OM-AIR-T51P0004	5/32", 4 mm	5/32", 4 mm	
OM-AIR-T51P0006	6 mm	6 mm	
OM-AIR-T51Y0004	1/4"	1/4"	
OM-AIR-T51P0008	8 mm	8 mm	

Ordering Example: OM-AIR-T51P004, in-line non-return valve (check valve) for use on 4 mm or 5/32" tubing.

AIR PREPARATION PRODUCTS FOR COMPRESSED AIR SYSTEMS

IN-LINE OR MODULAR INSTALLATION FOR COMPLETE SYSTEM



Select components to build a complete air preparation modular unit.

Air Preparation Products for Compressed Air System. Filter/regulators, lubricators, oil removing filters, pressure relief valves and more. These models can be used as a single unit or as a complete modular air treatment system.

For complete selection visit OMEGA online