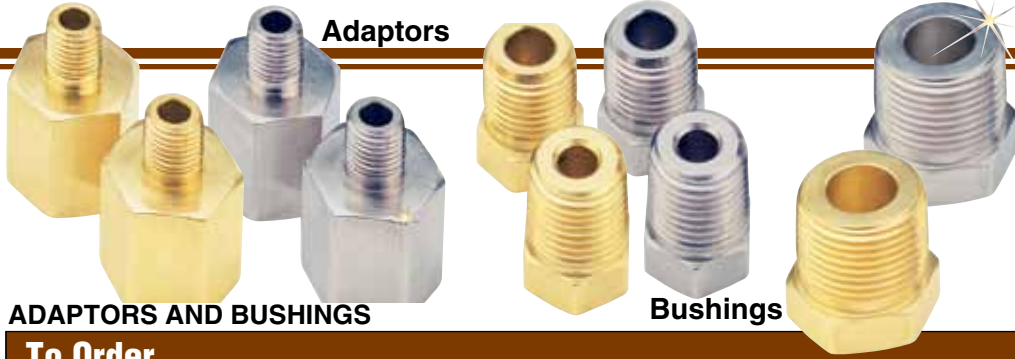


ADAPTORS AND REDUCING BUSHINGS



Adaptors

Bushings

- ✓ Rugged Design
- ✓ Available in Stainless Steel, Brass, or Carbon Steel
- ✓ Reduce Down to 1/8 NPT
- ✓ Adapt Up to 1 NPT

ADAPTORS AND BUSHINGS

NPT THREAD		ACROSS HEX FLATS INCHES	LENGTH INCHES	BRASS MODEL NO.	STAINLESS STEEL MODEL NO.
MALE	FEMALE				
REDUCING ADAPTORS					
1/8	1/4	1 1/8	1.50	RA-18-14-BR	RA-18-14-SS
1/8	1/2	1 1/8	1.50	RA-18-12-BR	RA-18-12-SS
1/4	1/2	1 1/8	1.69	RA-14-12-BR	RA-14-12-SS
1/2	3/4	1 3/8	1.94	RA-12-34-BR	RA-12-34-SS
1/2	1	1 5/8	2.16	—	RA-12-1-SS
7/16-20	1/4	9/16	1.25	—	RA-716-14M-SS
7/16-20	1/4 female	3/4	1.31	—	RA-716-14F-SS
REDUCING BUSHINGS					
1/4	1/8	7/8	1.09	RB-14-18-BR	RB-14-18-SS
1/2	1/8	7/8	1.09	RB-12-18-BR	RB-12-18-SS
1/2	1/4	7/8	1.09	RB-12-14-BR	RB-12-14-SS
3/4	1/2	1 1/8	1.17	RB-34-12-BR	RB-34-12-SS
1	1/2	1 3/8	1.36	RB-1-12-BR	RB-1-12-SS
1	3/4	1 3/8	1.36	RB-1-34-BR	RB-1-34-SS
1 1/4	3/4	1 3/4	1.48	—	RB-114-34-CS*
1 1/4	1	1 3/4	1.48	—	RB-114-1-CS*
1 1/2	1	2	1.56	—	RB-112-1-CS*

OMEGALOK® COMPRESSION FITTINGS



- ✓ Ferrule Design for Positive Pressure Seal
 - ✓ Heavy Duty Construction in Stainless Steel or Brass
 - ✓ For Protection Tube Diameters 1/16" up to 1/2"
- For metric compression fittings see page C-8.

* Fittings are available only in carbon steel.
Ordering Example: RB-12-14-SS, stainless steel 1/2 male and 1/4 female reducing bushing.

COMPRESSION FITTINGS

PROTECTION TUBE OD in.	MALE Th'd NPT	LENGTH mm (inch)	BRASS MODEL NO.	316 SS MODEL NO.
1/16	1/16	24.6 (0.97)	N/A	SSLK-116-116
1/16	1/8	26.2 (1.03)	BRLK-116-18	SSLK-116-18
1/8	1/8	30.0 (1.18)	BRLK-18-18	SSLK-18-18
1/8	1/4	35.6 (1.40)	BRLK-18-14	SSLK-18-14
3/16	1/8	31.0 (1.22)	BRLK-316-18	SSLK-316-18
3/16	1/4	46.0 (1.81)	BRLK-316-14	SSLK-316-14
1/4	1/8	32.8 (1.29)	BRLK-14-18	SSLK-14-18
1/4	1/4	37.6 (1.48)	BRLK-14-14	SSLK-14-14
5/16	1/4	39.1 (1.54)	N/A	SSLK-516-14
3/8	1/4	40.4 (1.59)	BRLK-38-14	SSLK-38-14
3/8	3/8	40.4 (1.59)	BRLK-38-38	SSLK-38-38
3/8	1/2	46.0 (1.81)	BRLK-38-12	SSLK-38-12
1/2	1/2	49.3 (1.94)	BRLK-12-12	SSLK-12-12

Note: PTFE can only be used with stainless steel compression fittings.
Ordering Example: BRLK-18-18, brass 1/8 NPT compression fitting for 1/8" OD protection tubes.

Replacement Ferrules - (pkg of 10)

TUBE OD	BRASS	STAINLESS STEEL	PTFE
1/16	B-FER-1/16	SS-FER-1/16	T-FER-1/16
1/8	B-FER-1/8 (18)	SS-FER-1/8 (45)	T-FER-1/8 (75)
3/16	B-FER-3/16 (18)	SS-FER-3/16 (45)	T-FER-3/16 (75)
1/4	B-FER-1/4 (18)	SS-FER-1/4 (45)	T-FER-1/4 (75)
5/16	B-FER-5/16 (20)	SS-FER-5/16 (50)	T-FER-5/16 (80)
3/8	B-FER-3/8 (20)	SS-FER-3/8 (50)	T-FER-3/8 (80)
1/2	B-FER-1/2 (30)	SS-FER-1/2 (75)	T-FER-1/2 (115)

ADAPTORS

Brass

Steel

CONVERT IMPERIAL AND METRIC THREADS

To Order

FEMALE NPT	MALE BSPT*	FLATS mm	LENGTH mm	BRASS MODEL NO.	STAINLESS STEEL MODEL NO.
1/8	1/8-28	14	27.7	MTA1-1/8-1/8-BR	MTA1-1/8-1/8-SS
1/4	1/4-19	19	36.1	MTA1-1/4-1/4-BR	MTA1-1/4-1/4-SS
3/8	3/8-19	22	38.1	MTA1-3/8-3/8-BR	MTA1-3/8-3/8-SS
1/2	1/2-14	27	49.3	MTA1-1/2-1/2-BR	MTA1-1/2-1/2-SS
3/4	3/4-14	34	51.3	MTA1-3/4-3/4-BR	MTA1-3/4-3/4-SS
1	1-11	41	58.4	MTA1-1-1-BR	MTA1-1-1-SS
BSPT*	NPT				
1/4-19	1/4	19	36.3	MTA2-1/4-1/4-BR	MTA2-1/4-1/4-SS
3/8-19	3/8	22	38.4	MTA2-3/8-3/8-BR	MTA2-3/8-3/8-SS
1/2-14	1/2	27	49.8	MTA2-1/2-1/2-BR	MTA2-1/2-1/2-SS
NPT	BSPP				
1/8	1/8-28	14	25.1	-	MTA3-1/8-1/8-SS
1/4	1/4-19	19	33.5	MTA3-1/4-1/4-BR	MTA3-1/4-1/4-SS
3/8	3/8-19	22	35.8	MTA3-3/8-3/8-BR	MTA3-3/8-3/8-SS
1/2	1/2-14	27	44.2	MTA3-1/2-1/2-BR	MTA3-1/2-1/2-SS
3/4	3/4-14	34	48.0	MTA3-3/4-3/4-BR	MTA3-3/4-3/4-SS
1	1-11	41	53.3	MTA3-1-1-BR	MTA3-1-1-SS
BSPP	NPT				
1/4-19	1/4	19	27.4	MTA4-1/4-1/4-BR	MTA4-1/4-1/4-SS
3/8-19	3/8	22	32.3	MTA4-3/8-3/8-BR	MTA4-3/8-3/8-SS
1/2-14	1/2	27	41.9	MTA4-1/2-1/2-BR	MTA4-1/2-1/2-SS

* ISO 228/1, BS 2779.

Ordering Examples: MTA1-1/8-1/8-BR, brass 1/8 NPT female to 1/8-28 BSPT male.
MTA1-1/8-1/8-SS, stainless steel thread adaptor.

METRIC OMEGALOK® COMPRESSION FITTINGS

FOR METRIC PROBES AND PROTECTION TUBES



To Order

Protection Tube OD	Male Th's	Metric Protection Tube/NPT Thread			Metric Protection Tube/ BSP Taper Thread			Metric Protection Tube/ BSP Parallel Thread		
		Th'd Type	Brass Model No.	316 Stainless Steel Model No.	Th'd Type	Brass Model No.	316 Stainless Steel Model No.	Th'd Type	Brass Model No.	316 Stainless Steel Model No.
3.0 mm	1/8	NPT	BRLK-M30-18	SSLK-M30-18	BSPT	BRLK-M30-18T	SSLK-M30-18T	BSPP	BRLK-M30-18P	SSLK-M30-18P
4.5 mm	1/8	NPT	BRLK-M45-18	SSLK-M45-18	BSPT	BRLK-M45-18T	SSLK-M45-18T	-	N/A	N/A
6.0 mm	1/8	NPT	BRLK-M60-18	SSLK-M60-18	BSPT	BRLK-M60-18T	SSLK-M60-18T	-	N/A	N/A
3.0 mm	1/4	NPT	BRLK-M30-14	SSLK-M30-14	BSPT	BRLK-M30-14T	SSLK-M30-14T	BSPP	BRLK-M30-14P	SSLK-M30-14P
4.5 mm	1/4	NPT	BRLK-M45-14	SSLK-M45-14	BSPT	BRLK-M45-14T	SSLK-M45-14T	-	N/A	N/A
6.0 mm	1/4	NPT	BRLK-M60-14	SSLK-M60-14	BSPT	BRLK-M60-14T	SSLK-M60-14T	BSPP	BRLK-M60-14P	SSLK-M60-14P
8.0 mm	1/4	NPT	BRLK-M80-14	SSLK-M80-14	BSPT	BRLK-M80-14T	SSLK-M80-14T	-	N/A	N/A
3.0 mm	3/8	-	N/A	SSLK-M30-38	-	N/A	SSLK-M30-38T	-	N/A	SSLK-M30-38P
6.0 mm	3/8	NPT	BRLK-M60-38	SSLK-M60-38	BSPT	BRLK-M60-38T	SSLK-M60-38T	BSPP	BRLK-M60-38P	SSLK-M60-38P
3.0 mm	1/2	-	N/A	SSLK-M30-12	BSPT	BRLK-M30-12T	SSLK-M30-12T	BSPP	BRLK-M30-12P	SSLK-M30-12P
4.5 mm	1/2	-	N/A	SSLK-M45-12	BSPT	BRLK-M45-12T	SSLK-M45-12T	BSPP	BRLK-M45-12P	SSLK-M45-12P
6.0 mm	1/2	NPT	BRLK-M60-12	SSLK-M60-12	BSPT	BRLK-M60-12T	SSLK-M60-12T	BSPP	BRLK-M60-12P	SSLK-M60-12P
8.0 mm	1/2	NPT	BRLK-M80-12	SSLK-M80-12	BSPT	BRLK-M80-12T	SSLK-M80-12T	-	N/A	N/A

Note: PFA can only be used with stainless steel compression fittings.

Ordering Examples: BRLK-M30-18, brass 1/8 NPT thread compression fitting for 3.0 mm protection tube OD.

BRLK-M60-18, compression fitting.



GENERAL INSTALLATION FITTINGS

Rometec srl - www.rometec.it - info@rometec.it - Rometec srl - www.rometec.it - info@rometec.it
For FP-5300, FP-5100, FP8500 and FP-5600 Series

Fittings now supplied without plug.
 Order model number FMK-31536-1 for polypropylene plug.

To Order						
Pipe Mat'l	PVC 40 & 80	CPVC 80	†	Metric Size Only		Stainless 316
				PVDF†	Polypropylene†	
Pipe Size	Model No.	Model No.	Pipe Size	Model No.	Model No.	Model No.
½"	FP-5305M	FP-5305CM	15 mm	FP-5105	FP-5105PO	FMG-5305
¾"	FP-5307M	FP-5307CM	20 mm	FP-5107	FP-5107PO	FMG-5307
1"	FP-5310M	FP-5310CM	25 mm	FP-5110	FP-5110PO	FMG-5310
1¼"	FP-5312M	FP-5312CM	32 mm	FP-5112	FP-5112PO	FMG-5312
1½"	FP-5315M	FP-5315CM	40 mm	FP-5115	FP-5115PO	FMG-5315
2"	FP-5320M FP-5320S*	FP-5320CM	50 mm	FP-5120	FP-5120PO	FMG-5320
2½"	FP-5325S*	N/A	–	N/A	N/A	FMG-5325*
3"	FP-5330S*	N/A	–	N/A	N/A	FMG-5330*
4"	FP-5340S*	N/A	–	N/A	N/A	FMG-5340*
5"	N/A	N/A	–	N/A	N/A	FMG-5350*
6"	FP-5360S*	N/A	–	N/A	N/A	FMG-5360*
8"	FP-5380S*	N/A	N/A	N/A	N/A	FMG-5380*
10"	–	N/A	254 mm	N/A	FP-5381PO*	FMG-5381*
12"	FP-5382S*	–	305 mm	N/A	FP-5382PO*	FMG-5382*

* Models with weldolet or saddle fittings (shown in second row of pictures below).

† Fittings of PVDF and POLYPROPYLENE are only available in metric sizes.



All CPVC fittings have slip-on ends for schedule 80 pipe. PVDF and Polypropylene fittings larger than 2" line size are wafer style to slip between DIN standard PVDF or polypro flanges; for 2" line size and smaller, fittings have socket ends. All have FKM O-rings. PVC fittings up to 4" line size without "S" suffix have slip-on ends for schedule 40 or schedule 80 pipe; 6" line size and larger as well as fittings with "S" suffix are "cement-on" saddles.

Carbon steel and 316 stainless steel fittings for 2" line size and smaller are "tee" style; all larger 316SS fittings are Weldolet style. Galvanized iron fittings up to and including 2" line size without "S" suffix are "tee" style; all larger iron fittings and those with "S" suffix are double "strap-on" saddles.

SENSOR INSTALLATION FITTINGS

Rometec srl - www.rometec.it - info@rometec.it - Rometec srl - www.rometec.it - info@rometec.it
For FP-5300, FP-5100, FP8500, FP-5600 and FP-5200 Series

Fittings now supplied without plug.
 Order model number FMK-31536-1 for polypropylene plug.

To Order

Pipe Mat'l	Galvanized Iron	Carbon Steel	Copper/Bronze (Brass)	Metal Sensor FP-5200 Series only
Pipe Size	Model No.	Model No.	Model No.	Model No.
1/2"	N/A	FP-5305CS	FP-5305CU	FP-5205††
3/4"	N/A	FP-5307CS	FP-5307CU	FP-5207††
1"	FP-5310GI	FP-5310CS	FP-5310CU FP-5310BR	FP-5210††
1 1/4"	FP-5312GI	FP-5312CS	FP-5312CU FP-5312BR	FP-5212
1 1/2"	FP-5315GI	FP-5315CS	FP-5315CU FP-5315BR	FP-5215
2"	FP-5320GI FP-5320GIS*	FP-5320CS	FP-5320CU FP-5320BR	FP-5220 FP-5220S*
2 1/2"	FP-5325GI*	FP-5325CS*	FP-5325BR*	FP-5225
3"	FP-5330GI*	FP-5330CS*	FP-5330BR*	FP-5230 FP-5230S*
4"	FP-5340GI*	FP-5340CS*	FP-5340BR*	FP-5240 FP-5240S*
5"	FP-5350GI*	FP-5350CS*	FP-5350BR*	FP-5250 FP-5250S*
6"	FP-5360GI*	FP-5360CS*	FP-5360BR*	FP-5260 FP-5260S*
8"	FP-5380GI*	FP-5380CS*	FP-5380BR*	FP-5280 FP-5280S*
10"	FP-5381GI*	FP-5381CS*	FP-5381BR*	FP-5281 FP-5281S*
12"	FP-5382GI*	FP-5382CS*	FP-5382BR*	FP-5282 FP-5282S*

* Models with weldolet or saddle-type fittings (pictured in bottom row).

Please contact OMEGA for special fitting requirements not covered in this chart.



NOTE: All 10" and larger fittings limited to 60°C (140°F) liquid temperature due to PVC Insert.

All copper fittings "CU" suffix for copper and brass tubing have sweat-on end fittings; brass fittings 2 inches and smaller are NPT threaded tees; above 2", brass fittings are Brazelots.

All FP-52XX fittings with suffix "S" are galvanized iron double strap-on; those without suffix "S" are weld-on stainless steel.

Note: Please specify pipe schedule if other than schedule 40 for PVC or iron saddles, and for Weldolets and Brazelots.

† Style of FP-5205, FP-5207, FP-5210 only.

THERMOPLASTIC QUICK COUPLINGS

HIGH FLOW COUPLING

3/8" Flow Polypropylene

FT-HFC-12 Series



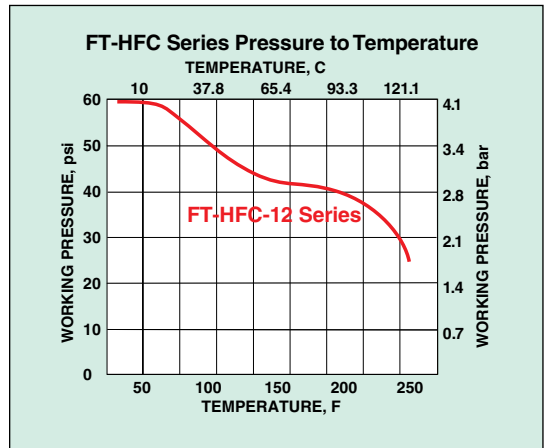
By Individual Model No.†

- ✓ Drain Lines
- ✓ Filling Lines
- ✓ Waste Handling
- ✓ Chemical Transfer
- ✓ Photo Processing Chemicals
- ✓ Spray Equipment

Features

- ✓ Chemically Resistant
- ✓ Shutoff Valves Available in Both Halves
- ✓ High Volume Fluid Handling
- ✓ Attractive Design
- ✓ Low Force to Couple
- ✓ Inexpensive
- ✓ Gamma Sterilizable Applications
- ✓ Cooling Lines

OMEGA's High Flow Coupling Series has flow comparable to many 1/2" nominal flow couplings in a 3/8" body size. Small body size and light weight, these single or double end shutoff couplings have a large flow capacity. They replace bulky, heavy brass or stainless steel couplings in many applications.



Coupling Bodies 3/8" Flow

To Order



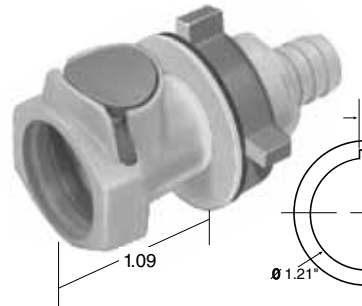
Male Pipe Thread Body

MALE THREAD	STRAIGHT THRU MODEL NUMBER	SHUTOFF MODEL NUMBER	LENGTH (inch)
3/8" NPT	FT-HFC106-12	FT-HFCD106-12	2.72
1/2" NPT	FT-HFC108-12	FT-HFCD108-12	2.72
3/4" NPT	FT-HFC1012-12	FT-HFCD1012-12	3.07



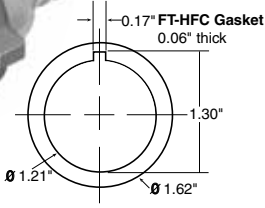
Hose Barb Body

TUBING SIZE ID	METRIC EQ mm	STRAIGHT THRU MODEL NUMBER	SHUTOFF MODEL NUMBER	LENGTH (inch)
3/8"	9.5	FT-HFC176-12	FT-HFCD176-12	2.82
1/2"	12.7	FT-HFC178-12	FT-HFCD178-12	2.82
5/8"	15.9	FT-HFC1710-12	FT-HFCD1710-12	2.97
3/4"	19	FT-HFC1712-12	FT-HFCD1712-12	2.97



Bulkhead Panel Mount Hose Barb Body

TUBING SIZE ID	METRIC EQ mm	STRAIGHT THRU MODEL NUMBER	SHUTOFF MODEL NUMBER	LENGTH (inch)
3/8"	9.5	FT-HFC166-12	FT-HFCD166-12	2.82
1/2"	12.7	FT-HFC168-12	FT-HFCD168-12	2.82
5/8"	15.9	FT-HFC1610-12	FT-HFCD1610-12	2.97
3/4"	19	FT-HFC1612-12	FT-HFCD1612-12	2.97



Panel thickness 0.030" to 0.25", 1.20" diameter mounting hole 1.87" minimum coupling spacing Greenlee 730K-3/16 Keyway Punch Unit and 730S Hole Punch. Ø = diameter

† Visit omega.com/rohs to determine specific RoHS compliance.

SPECIFICATIONS

Rometec srl - www.rometec.it - info@rometec.it - Rometec srl - www.rometec.it - info@rometec.it

Operating Temperature: Maximum 110°C (230°F), Minimum 0°C (32°F), (see graph)

Materials:

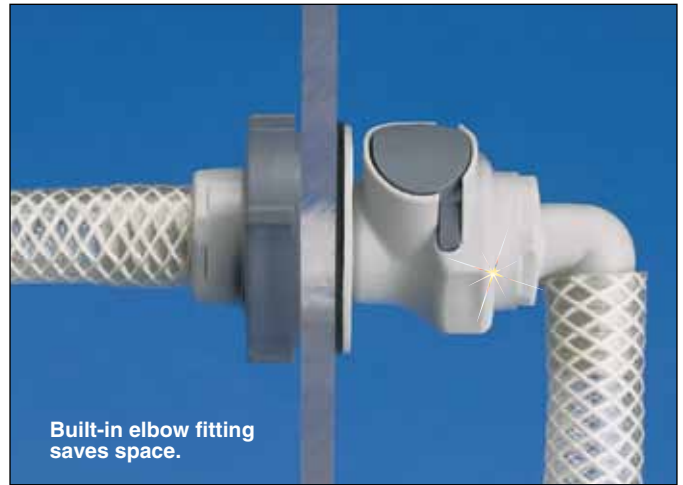
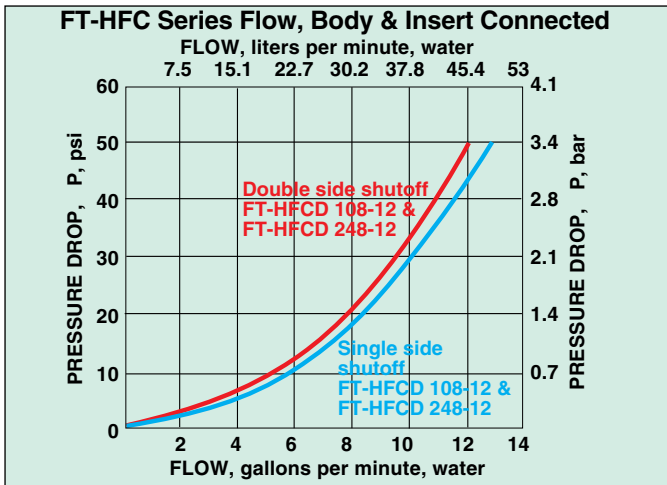
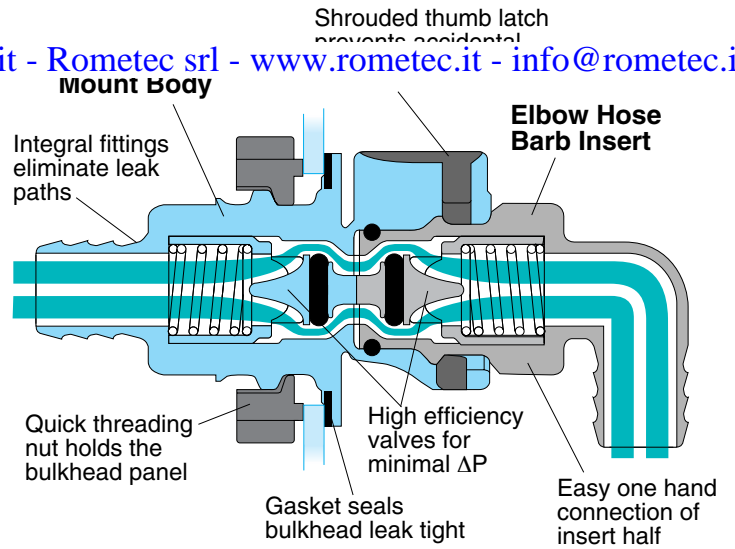
- Coupling:** Polypropylene
- Seals:** EPR, others available
- Color:** Light Gray with Charcoal Gray latch
- Valve Spring:** 316 Stainless Steel
- Latch Spring:** 316 Stainless Steel

Suggested Tubing:

PVC, Silicone, Reinforced PVC, Polyurethane

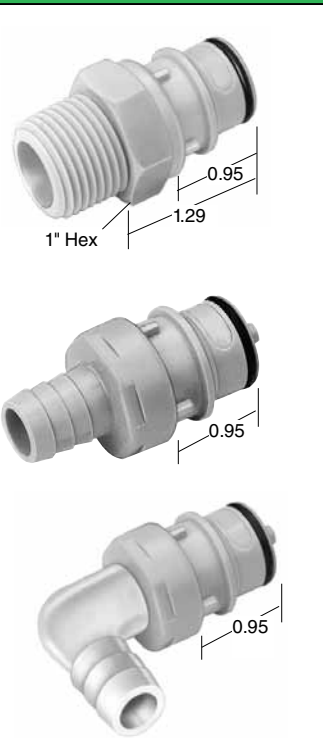
Flow Information:

- $\frac{3}{8}$ " Hose Barb: 0.281" flow
- $\frac{1}{2}$ " Hose Barb: 0.375" flow



Coupling Inserts $\frac{3}{8}$ " Flow

To Order



Male Pipe Thread Insert

MALE THREAD	STRAIGHT THRU MODEL NUMBER	SHUTOFF MODEL NUMBER	LENGTH (inch)
$\frac{3}{8}$ NPT	FT-HFC246-12	FT-HFCD246-12	1.76
$\frac{1}{2}$ NPT	FT-HFC248-12	FT-HFCD248-12	1.76
$\frac{3}{4}$ NPT	FT-HFC2412-12	FT-HFCD2412-12	2.14

Hose Barb Insert

TUBING SIZE ID	METRIC EQ mm	STRAIGHT THRU MODEL NUMBER	SHUTOFF MODEL NUMBER	LENGTH (inch)
$\frac{3}{8}$ "	9.5	FT-HFC226-12	FT-HFCD226-12	1.86
$\frac{1}{2}$ "	12.7	FT-HFC228-12	FT-HFCD228-12	1.86
$\frac{5}{8}$ "	15.9	FT-HFC2210-12	FT-HFCD2210-12	2.03
$\frac{3}{4}$ "	19	FT-HFC2212-12	FT-HFCD2212-12	2.01

Elbow Hose Barb Insert

TUBING SIZE ID	METRIC EQ mm	STRAIGHT THRU MODEL NUMBER	SHUTOFF MODEL NUMBER	LENGTH (inch)
$\frac{3}{8}$ "	9.5	FT-HFC236-12	FT-HFCD236-12	1.94
$\frac{1}{2}$ "	12.7	FT-HFC238-12	FT-HFCD238-12	1.94

Polypropylene coupling halves do not interchange with other materials.

Ordering Examples: FT-HFCD176-12, $\frac{3}{8}$ " ID hose barb body, and FT-HFC226-12 $\frac{3}{8}$ " ID hose barb insert. FT-HFC106-12, $\frac{3}{8}$ MNPT body and FT-HFC246-12, $\frac{3}{8}$ MNPT insert.

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HIGH FLOW COUPLING

3/8" Flow Polysulfone, FT-HFC-35 Series
1/2" Flow Polysulfone, FT-FFC-35 Series



Applications

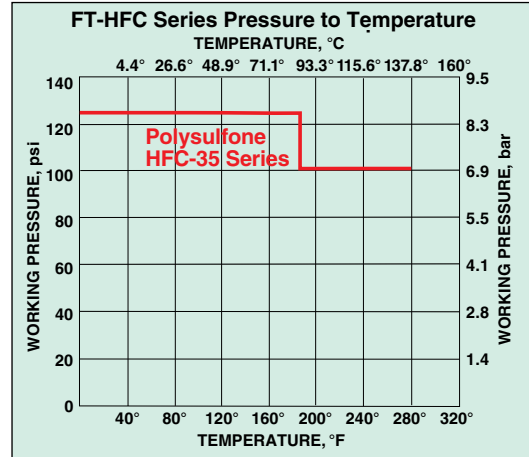
- High-Purity and Deionized water
- Filtration Equipment
- Pharmaceutical Equipment
- Heavy Equipment Cooling Lines
- Food and Beverage Serving Equipment
- Bioprocessing Lines
- Laboratory Equipment and Instrumentation

FT-HFC-35 Series couplings are designed to withstand the rigors of demanding applications. Their polysulfone construction imparts physical strength, repeated autoclaving capability and chemical resistance. FT-HFC-35 Series couplings' attractive design, light weight and large capacity make them a perfect replacement in many applications for stainless steel or brass. Use FT-HFC-35 couplings anywhere—available in the most common thread and hose sizes, 3/4 NPT or garden hose for drum unloading, male and female thread connections. Special-ordered couplings are available in versions that comply with listing requirements for NSF standard C-2 as well as versions certified to meet USP Class VI requirements. Fully interchangeable with FT-HFC-12 Series couplings. Patent No. 5316041.

FT-HFC-35



By Individual Model No.†



† Visit omega.com/rohs to determine specific RoHS compliance.



Coupling Bodies 3/8" Flow

To Order					
Male Pipe Thread Body			1/2" Flow FT-FFC		
Male Thread	Straight Thru Model No.	Shutoff Model No.	Full Flow Model No.	Length	
3/8" NPT	FT-HFC106-35	FT-HFCD106-35	— —	2.72"	
3/8" BS	FT-HFC106-35BS	FT-HFCD106-35BS	— —	2.72"	
1/2" NPT	FT-HFC108-35	FT-HFCD108-35	FT-FFC108-35	2.72"	
1/2" BS	FT-HFC108-35BS	FT-HFCD108-35BS	— —	2.72"	
3/4" NPT	FT-HFC1012-35	FT-HFCD1012-35	FT-FFC1012-35	3.07"	
3/4" BS	FT-HFC1012-35BS	FT-HFCD1012-35BS	FT-FFC1012-35BS	3.07"	
3/4" GdnHs	FT-HFC1012-35GH	FT-HFCD1012-35GH	FT-FFC1012-35GH	2.94"	
In Line Hose Barb Body					
Tubing Size Id	Metric Eq mm	Straight Thru Model No.	Shutoff Model No.	Full Flow Model No.	Length
3/8"	9.5	FT-HFC176-35	FT-HFCD176-35	— —	2.82"
1/2"	12.7	FT-HFC178-35	FT-HFCD178-35	— —	2.82"
3/4"	19	FT-HFC1712-35	FT-HFCD1712-35	FT-FFC1712-35	2.97"
Bulkhead Panel Mount Hose Barb Body					
Tubing Size Id	Metric Eqmm	Straight Thru Model No.	Shutoff Model No.	Full Flow Model No.	Length
3/8"	9.5	FT-HFC166-35	FT-HFCD166-35	— —	2.82"
1/2"	12.7	FT-HFC168-35	FT-HFCD168-35	— —	2.82"
3/4"	19	FT-HFC1612-35	FT-HFCD1612-35	FT-FFC1612-35	2.97"
Female Pipe Thread Body					
Female Thread	Straight Thru Model No.	Shutoff Model No.	Full Flow Model No.	Length	
3/4" GdnHsMt	FT-HFC1912-35BP	FT-HFCD1912-35BP	FT-FFC1912-35BP	2.69"	
3/4" GdnHs	FT-HFC1912-35GH	FT-HFCD1912-35GH	FT-FFC1912-35GH	2.69"	

Panel thickness 0.030" to 0.25", 1.20" diameter mounting hole 1.87" minimum coupling spacing Greenlee 730K-3/16 Keyway Punch Unit and 730S Hole Punch. Ø = diameter

SPECIFICATIONS

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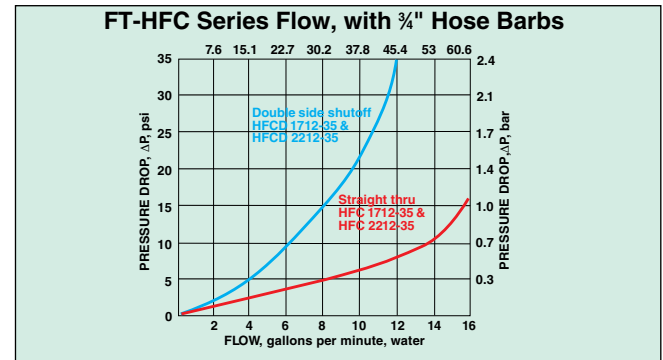
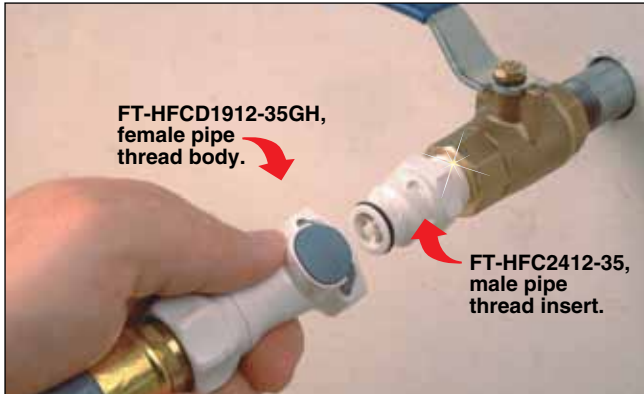
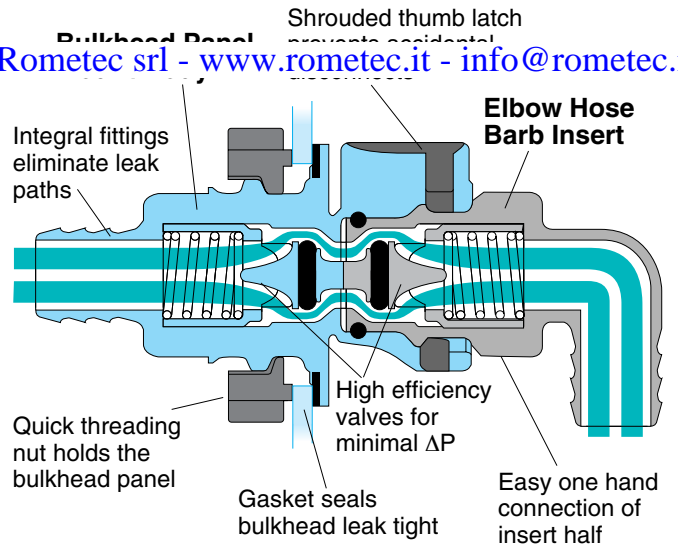
Operating Temperature: -40 to 137.8 °C (-40 to 280 °F)

Materials:

- Coupling:** Polysulfone
- Thumb Latch:** Polysulfone
- Panel Mount Nut:** Polysulfone
- O-Rings:** EPR, others available
- Panel Mount Gasket:** EPR, others available
- Springs:** 316 Stainless Steel
- Suggested Tubing:** PVC, Silicone, Reinforced PVC, Polyurethane, Rubber, Latex

Tubing Sizes:

- 3/8" or 9.5 mm ID
- 1/2" or 12.7 mm ID
- 3/4" or 19 mm ID



Coupling Inserts 3/8" Flow

To Order

Male Pipe Thread Insert	1/2" Flow FT-FFC Series				
	Male Thread	Straight Thru Model Number	Shutoff Model Number	Full Flow Model Number	Length
3/8" NPT	FT-HFC246-35	FT-HFCD246-35	—	—	1.76"
3/8" BS	FT-HFC246-35BS	FT-HFCD246-35BS	—	—	1.76"
1/2" NPT	FT-HFC248-35	FT-HFCD248-35	FT-FFC248-35	—	1.94"
1/2" BS	FT-HFC248-35BS	FT-HFCD248-35BS	—	—	1.94"
3/4" NPT	FT-HFC2412-35	FT-HFCD2412-35	FT-FFC2412-35	—	2.14"
3/4" BS	FT-HFC2412-35BS	FT-HFCD2412-35BS	FT-FFC2412-35BS	—	2.01"
3/4" GdnHs	FT-HFC2412-35GH	FT-HFCD2412-35GH	FT-FFC2412-35GH	—	2.01"

Hose Barb Insert					
Tubing Size Id	Metric Eq Mm	Straight Thru Model Number	Shutoff Model Number	Full Flow Model Number	Length
3/8" ID	9.5 ID	FT-HFC226-35	FT-HFCD226-35	—	1.86"
1/2" ID	12.7 ID	FT-HFC228-35	FT-HFCD228-35	—	1.86"
3/4" ID	19 ID	FT-HFC2212-35	FT-HFCD2212-35	FT-FFC2212-35	2.01"

Elbow Hose Barb Insert					
TUBING SIZE ID	METRIC EQ mm	STRAIGHT THRU MODEL NUMBER	SHUTOFF MODEL NUMBER	FULL FLOW MODEL NUMBER	LENGTH
3/8" ID	9.5 ID	FT-HFC236-35	FT-HFCD236-35	—	1.90"
1/2" ID	12.7 ID	FT-HFC238-35	FT-HFCD238-35	—	1.94"

Female Pipe Thread Insert				
Female Thread	Straight Thru Model Number	Shutoff Model Number	Full Flow Model Number	Length
3/4" GdnHsMt	FT-HFC2612-35BP	FT-HFCD2612-35BP	—	1.73"
3/4" GdnHs	FT-HFC2612-35GH	FT-HFCD2612-35GH	FT-FFC2612-35GH	1.77"

Ordering Examples: FT-HFCD176-35, 3/8" hose barb body, and FT-HFC226-35, 3/8" hose barb insert.

FT-HFC108-35, 1/2" MNPT body and FT-HFC248-35, 1/2" MNPT insert.

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CHROME-PLATED BRASS

1/4" Flow, FT-LC Series

- ✓ Rugged Stainless Steel and Chrome—Plated Brass Construction
- ✓ Pipe Thread, Panel Mount, In Line and Elbow Configurations
- ✓ Attractive Appearance
- ✓ Single Side, Double Side Shutoffs or Straight thru Flow



FT-LC Series



By Individual Model No.†

FT-LC Series Couplings have the durability and attractiveness of Chrome-Plated Brass in 1/4" flow. These couplings are designed for higher pressure applications.

Coupling Bodies 1/4" Flow

To Order					
PIPE THREAD 	Male Thread	Metric EQ	Straight Thru Model No.	Shutoff Model No.	Length (inch)
	1/4 NPT	—	FT-LC100-04	FT-LCD100-04	1.15
	3/8 NPT	—	FT-LC100-06	FT-LCD100-06	1.15
	1/4" BSPT	—	FT-LC100-04BS	FT-LCD100-04BS	1.15
	3/8" BSPT	—	FT-LC100-06BS	FT-LCD100-06BS	1.15
PANEL MOUNT* 	Ferruleless Polytube Fitting††, PTF				
	Tubing Size OD x ID	Metric EQ mm	Straight Thru Model No.	Shutoff Model No.	Length (inch)
	1/4 x 0.170"	6 x 4.3	FT-LC120-04	FT-LCD120-04	1.87
	3/8 x 0.250"	9.5 x 6	FT-LC120-06	FT-LCD120-06	2
	Hose Barb				
	1/4" ID	6.4 ID	FT-LC160-04	FT-LCD160-04	2
	5/16" ID	7.9 ID	FT-LC160-05	FT-LCD160-05	2
	3/8" ID	9.5 ID	FT-LC160-06	FT-LCD160-06	2
	Male Thread				
	1/4 NPT	—	FT-LC150-04	FT-LCD150-04	1.50
IN LINE 	Ferruleless Polytube Fitting††, PTF				
	Tubing Size OD x ID	Metric EQ mm	Straight Thru Model No.	Shutoff Model No.	Length
	1/4 x 0.170"	6 x 4.3	FT-LC130-04	FT-LCD130-04	1.87
	3/8 x 0.250"	9.5 x 6	FT-LC130-06	FT-LCD130-06	2
	Hose Barb				
	1/4" ID	6.4 ID	FT-LC170-04	FT-LCD170-04	2
	5/16" ID	7.9 ID	FT-LC170-05	FT-LCD170-05	2
3/8" ID	9.5 ID	FT-LC170-06	FT-LCD170-06	2	

* Panel Opening = 11/16" Diameter Maximum Panel Thickness = 1/2" (except 1/4" pipe thread 0.35") Minimum Panel Thickness = 0.050"
 Panel Nuts = 13/16" Hex

† Visit omega.com/rohs to determine specific RoHS compliance.

†† PTF fittings are designed for semi-rigid tubing i.e. polyethylene, nylon etc. and polyurethane tubing. Acetal and Chrome-Plated Brass coupling halves interchange.

SPECIFICATIONS

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Operating Temperature: -40 to 82 °C (-40 to 180 °F) continuous

Materials:

Bodies: Chrome-Plated Brass

Valves: Acetal

Valve Spring: 316 Stainless Steel

External Springs, Pin, Latch: Stainless Steel

Seals: Buna, others available

Tubing Sizes:

¼ thru ¾" ID

¼ and ¾" OD

6 x 4 mm thru 12 x 10 mm (OD x ID)



Inserts ¼" Flow

To Order								
	PIPE THREAD		Thread	Straight Thru Model No.	Shutoff Model No.	Length		
			¼ NPT	FT-LC240-04	FT-LCD240-04	MC	MCD	
			¾ NPT	FT-LC240-06	FT-LCD240-06	1.25"	1.53"	
			¼ NPT Female	FT-LC260-04	FT-LCD260-04	1.25"	1.40"	
						1.25"	1.75"	
	PANEL MOUNT*					Ferrules Polytube Fitting††, PTF		
			Tubing Size OD x ID	Metric EQ mm	Straight Thru Model No.	Shutoff Model No.	Length	
			¼ x 0.170"	6 x 4.3	FT-LC400-04	FT-LCD400-04	1.83"	
			¾ x 0.250"	9.5 x 6	FT-LC400-06	FT-LCD400-06	1.96"	
			Hose Barb					
			¼" ID	6.4 ID	FT-LC420-04	FT-LCD420-04	1.96"	
		5/16" ID	7.9 ID	FT-LC420-05	FT-LCD420-05	1.96"		
		¾" ID	9.5 ID	FT-LC420-06	FT-LCD420-06	1.96"		
	STRAIGHTS					Ferrules Polytube Fitting††, PTF		
			Tubing Size OD x ID	Metric EQ mm	Straight Thru Model No.	Shutoff Model No.	Length	
			¼ x 0.170"	6 x 4.3	FT-LC200-04	FT-LCD200-04	LC	LCD
			¾ x 0.250"	9.5 x 6	FT-LC200-06	FT-LCD200-06	1.25"	1.72"
			Hose Barb					
			¼" ID	6.4 ID	FT-LC220-04	FT-LCD220-04	1.35"	1.85"
		5/16" ID	7.9 ID	FT-LC220-05	FT-LCD220-05	1.35"	1.85"	
		¾" ID	9.5 ID	FT-LC220-06	FT-LCD220-06	1.35"	1.68"	
	ELBOWS					Ferrules Polytube Fitting††, PTF		
			Tubing Size OD x ID	Metric EQ mm	Straight Thru Model No.	Shutoff Model No.	Length	
			¼ x 0.170"	6 x 4.3	FT-LC210-04	FT-LCD210-04	1.28"	
			¾ x 0.250"	9.5 x 6	FT-LC210-06	FT-LCD210-06	1.28"	
			Hose Barb					
			¼" ID	6.4 ID	FT-LC230-04	FT-LCD230-04	1.28"	
		¾" ID	9.5 ID	FT-LC230-06	FT-LCD230-06	1.28"		

* Panel Opening = 11/16" Panel Nut = 13/16" Hex Panel Thickness = 0.32" maximum and 0.050" minimum.

†† PTF fittings are designed for semi-rigid tubing i.e. polyethylene, nylon etc. and polyurethane tubing. Acetal and Chrome-Plated Brass coupling halves interchangeable.

Ordering Examples: FT-LCD160-04, hose barb coupling with shutoff for ¼" ID tubing, FT-LCD220-04, insert with barb for ¼" ID tubing and shutoff.

FT-LCD100-04, ¼ MNPT shutoff coupling body and FT-LCD240-04, ¼ NPT insert.

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High Temperature Brass Couplings

For durability and heat resistance

High Temperature brass couplings have a chrome-plated brass valve and Viton seals to operate effectively in temperatures up to 204°C (400°F). Made for high-heat environments or to carry fluids up to 204°C (400°F) without leaking. They offer all of the same quick connect-quick disconnect capabilities of other OMEGA® couplings.

Chrome-plated brass shutoff valves can be ordered as either the insert, the body, or both sides. For maximum flow, use couplings without valves.

All metal high temperature couplings have chrome-plated brass bodies and valves, stainless steel springs and latch, and Viton® fluoroelastomer O-Ring seals. They are an economical alternative to stainless steel quick couplings.

High Temperature Coupling Selection

All OMEGA® chrome-plated brass couplings are available in high temperature versions.

To Order Specify Model Number for FT-MC or FT-LC

HOW TO ORDER:

Simply add "HT" after the part number shown for the chrome-plated brass couplings to order with the chrome-plated brass valve and Viton® seals. Add **\$4.05** to the price of each coupling or insert, a 25 piece minimum order required.

Ordering Example:

High temperature panel mount body, 1/8" flow with shutoff valve, 1/4" ID tubing. Model Number, **FT-MCD16-04HT**.



Specifications

Working Pressure: Vacuum to 250 psi, 17.3 Bar

Operating Temperature: -40 to 204°C
-40 to 400°F

Materials:

Bodies: Chrome-Plated Brass

Valves: Chrome-Plated Brass

Valve Spring: 316 Stainless Steel

External Springs, Pin, Latch: Stainless Steel

Steel Seals: Viton

Tubing sizes:

1/8" thru 3/8" ID

5/32" OD x .10" ID thru 3/8" OD x .250" ID

4 OD x 2.5 mm ID thru 10 OD x 6.5 mm ID

Applications:

- Photo Chemicals for Film Processing
- Inks and Dyes
- Process Monitoring Instruments
- Boiling Water
- Autoclave Drains



With a combination of powerful features, the new portable and rugged OS520 Series infrared pyrometers offer solutions for many non-contact temperature measurement applications. The standard 1 mV per degree analog output allows interfacing with data acquisition equipment, including chart recorders, dataloggers and computers.

OS522 Unit with Standard Laser Sight, \$1295

CHROME-PLATED QUICK COUPLINGS

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Keyed, Color-Coded Brass Quick Couplings

1/8" Flow, FT-MC Series

Keyed OMEGA® quick couplings are specifically designed for small flexible hose and plastic tubing applications which require positive mechanical connections and non-interchangeable lines. They provide economical, keyed, high reliability, fool proof connections that are compatible with lower pressure and size requirements for instrumentation applications.

Features:

- Available in Chrome-Plated Brass
- Three Keyed, Non-Interchangeable Combinations
- Keyed Combinations Have Same Color-Code
- Available in Panel Mount and Pipe Thread Bodies
- Straight Through or Single End Shutoff, 1/8" Flow Size

Warning: Standard thermoplastic and chrome-plated brass quick disconnects cannot be interchanged with keyed quick disconnect couplings because they will leak.

***Color Coding:** K1= Orange
K2= Yellow
K3= Blue

1/8" Flow

COUPLING BODIES



Pipe Thread

MALE THREAD	STRAIGHT THRU MODEL NUMBER	PRICE	SHUTOFF MODEL NUMBER	PRICE
1/8" NPT	FT-MC10-02-K*	\$12.69	FT-MCD10-02-K*	\$14.99
1/4" NPT	FT-MC10-04-K*	12.69	FT-MCD10-04-K*	14.99

Panel Mount with Hose Barb

TUBING	STRAIGHT THRU MODEL NUMBER	PRICE	SHUTOFF MODEL NUMBER	PRICE
1/8" ID	FT-MC16-02-K*	\$18.59	FT-MCD16-02-K*	\$20.26
1/4" ID	FT-MC16-04-K*	19.14	FT-MCD16-04-K*	20.83

Panel Mount Ferruleless Polytube Fitting†, PTF

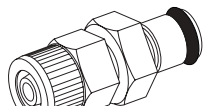
TUBING	STRAIGHT THRU MODEL NUMBER	PRICE	SHUTOFF MODEL NUMBER	PRICE
1/4" OD x .170" ID	FT-MC12-04-K*	\$20.10	FT-MCD12-04-K*	\$22.26

INSERTS



For body and insert dimensions, refer to MC Series listings.

† PTF fittings are designed for semi-rigid tubing i.e. polyethylene, nylon, etc., and polyurethane tubing.



Pipe Thread

MALE THREAD	STRAIGHT THRU MODEL NUMBER	PRICE
1/8" NPT	FT-MC24-02-K*	\$7.51

Hose Barb

TUBING	STRAIGHT THRU MODEL NUMBER	PRICE
1/8" ID	FT-MC22-02-K*	\$6.83
1/4" ID	FT-MC22-04-K*	6.83

Ferruleless Polytube Fitting†, PTF

TUBING	STRAIGHT THRU MODEL NUMBER	PRICE
1/4" OD x .170" ID	FT-MC20-04-K*	\$9.56



Specifications

Working Pressure: Vacuum to 250 psi, 17.3 Bar

Operating Temperature: -40 to 82°C continuous
-40 to 180°F continuous

Materials: Bodies: Chrome-Plated Brass
Valves: Delrin Acetal
Valve Spring: 316 Stainless Steel
External Springs, Pin, Latch: Stainless Steel
Seals: Buna-N

Ordering: All couplings have consistent color coding (i.e., K1-Orange, K2-Yellow, K3-Blue). Order body and insert separately to make tubing connection. For example, MC10-02K1 and MC22-02K1.



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Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters

CHROME-PLATED QUICK COUPLINGS

CHROME-PLATED BRASS

1/8" Flow

- ✓ Rugged Stainless Steel and Chrome-Plated Brass Construction
- ✓ Pipe Thread, Panel Mount, In Line and Elbow Configurations
- ✓ Attractive Appearance
- ✓ Single Side, Double Side Shutoff or Straight Thru Flow

Applications

- ✓ Air Lines
- ✓ Beverage Supply Lines
- ✓ Instrumentation
- ✓ Water Lines

FT-MC Series




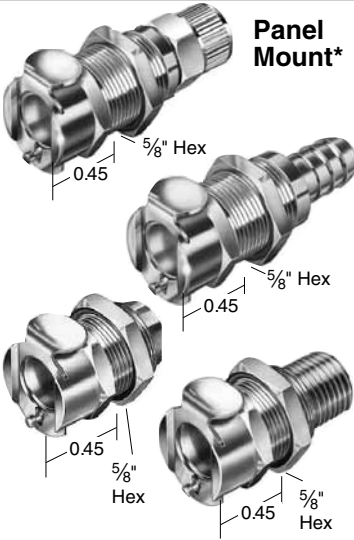
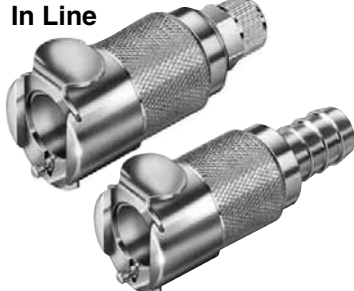
By Individual Model No.†



FT-MC Series couplings offer 1/8" flow along with the durability and attractiveness of Chrome-Plated Brass. They provide excellent service at higher pressures.

† Visit omega.com/rohs to determine specific RoHS compliance.

Coupling Bodies 1/8" Flow

To Order					
 <p>5/8" Hex</p>	Male Thread	Metric Eq	Straight Thru Model No.	Shutoff Model No.	Length (inch)
	1/8" NPT	—	FT-MC10-02	FT-MCD10-02	1.10
	1/4" NPT	—	FT-MC10-04	FT-MCD10-04	1.10
	1/8" BSPT	—	FT-MC10-02BS	FT-MCD10-02BS	1.00
	1/4" BSPT	—	FT-MC10-04BS	FT-MCD10-04BS	1.10
 <p>Panel Mount*</p> <p>5/8" Hex</p> <p>0.45</p> <p>5/8" Hex</p> <p>0.45</p> <p>5/8" Hex</p> <p>0.45</p> <p>5/8" Hex</p> <p>0.45</p>	Ferrules Polytube Fitting†† PTF				
	Tubing Size OD x ID	Metric EQ mm	Straight Thru Model No.	Shutoff Model No.	Length (inch)
	5/32 x 0.10"	4 x 2.5	FT-MC12-025	FT-MCD12-025	1.67
	1/4 x 0.170"	6 x 4.3	FT-MC12-04	FT-MCD12-04	1.77
	Hose Barb				
	1/8" ID	3.2 ID	FT-MC16-02	FT-MCD16-02	1.67
	3/16" ID	4.8 ID	FT-MC16-03	FT-MCD16-03	1.89
	1/4" ID	6.4 ID	FT-MC16-04	FT-MCD16-04	1.89
	Female Thread				
	10-32 UNF	—	FT-MC18-1032	FT-MCD18-1032	1.25
Male Thread					
1/8" NPT	—	FT-MC15-02	FT-MCD15-02	1.20	
 <p>In Line</p>	Ferrules Polytube Fitting†† PTF				
	Tubing Size OD x ID	Metric EQ mm	Straight Thru Model No.	Shutoff Model No.	Length
	1/4 x 0.170"	6 x 4.3	FT-MC13-04	FT-MCD13-04	1.77
	Hose Barb				
	1/8" ID	3.2 ID	FT-MC17-02	FT-MCD17-02	1.65
	3/16" ID	4.8 ID	FT-MC17-03	FT-MCD17-03	1.65
1/4" ID	6.4 ID	FT-MC17-04	FT-MCD17-04	1.85	

* Panel Opening = 1/2" Diameter Maximum Panel Thickness = 1/2" (except 1/8" pipe thread = 0.21"). Minimum Panel Thickness = 0.050" Panel Nuts = 5/8" Hex

†† PTF fittings are designed for semi-rigid tubing i.e. polyethylene, nylon, etc. and polyurethane tubing. Acetal and Chrome-Plated Brass coupling halves interchange.

Ordering Examples: FT-MCD16-04, Panel mount body, 1/8" flow with shutoff valve, 1/4" ID tubing, FT-MCD22-04, hose barb insert.

FT-MC16-03, 1/4" ID panel mount body and FT-MC22-04, hose barb fitting

SPECIFICATIONS

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Operating Temperature: -40 to 62 °C
(-40 to 180°F) continuous

Materials:

- Bodies:** Chrome-Plated Brass
- Valves:** Acetal
- Valve Spring:** 316 Stainless Steel
- External Springs, Pin, Latch:** Stainless Steel
- Seals:** Buna, others available

Tubing Sizes: 1/8 thru 1/4" ID

5/32, 1/4 and 3/8" OD 5 thru 10 x 6.5 mm (OD x ID)



Chrome-Plated Brass Couplings for high temperatures and pressures.

Inserts 1/8" Flow

To Order						
	Thread	Straight Thru Model No.	Shutoff Model No.	Length (inch)		
	1/8 NPT	FT-MC24-02	FT-MCD24-02	MC	MCD	
	1/4 NPT	FT-MC24-04	FT-MCD24-04	1.03	1.33	
	1/8 NPT Female	FT-MC26-02	FT-MCD26-02	1.13	1.30	
	1/4 NPT Female	FT-MC26-04	FT-MCD26-04	0.95	1.55	1.72
Panel Mount* 	Ferrules Polytube Fitting†† PTF					
	Tubing Size OD x ID	Metric EQ mm	Straight Thru Model No.	Shutoff Model No.	Length (inch)	
	1/4" x 0.170"	6 x 4.3	FT-MC40-04	FT-MCD40-04	1.75	
	Hose Barb					
	1/8" ID	3.2 ID	FT-MC42-02	FT-MCD42-02	1.20	
3/16" ID	4.8 ID	FT-MC42-03	FT-MCD42-03	1.87		
1/4" ID	6.4 ID	FT-MC42-04	FT-MCD42-04	1.87		
Straights 	Ferrules Polytube Fitting†† PTF					
	Tubing Size OD x ID	Metric EQ mm	Straight Thru Model Number	Shutoff Model Number	Length (inch)	
	5/32 x 0.10"	4 x 2.5	FT-MC20-025	FT-MCD20-025	MC	MCD
	1/4 x 0.170"	6 x 4	FT-MC20-04	FT-MCD20-04	1.13	1.53
	3/8 x 0.250"	9.5 x 6	FT-MC20-06	FT-MCD20-06	1.30	1.45
	Hose Barb					
	1/8" ID	3.2 ID	FT-MC22-02	FT-MCD22-02	1.30	1.40
	3/16" ID	4.8 ID	FT-MC22-03	FT-MCD22-03	1.05	1.55
	1/4" ID	6.4 ID	FT-MC22-04	FT-MCD22-04	1.25	1.75
	Female Thread					
10-32 UNF	FT-MC28-1032	FT-MCD28-1032	1.25	1.58	0.63	
Female Thread						
10-32 UNF	FT-MC28-1032	FT-MCD28-1032	0.63	1.20		
Elbows 	Ferrules Polytube Fitting†† PTF					
	Tubing Size OD x ID	Metric EQ mm	Straight Thru Model No.	Shutoff Model No.	Length (inch)	
	5/32 x 0.10"	4 x 2.5	FT-MC21-025	FT-MCD21-025	1.18	
	1/4 x 0.170"	6 x 4.3	FT-MC21-04	FT-MCD21-04	1.18	
	Hose Barb					
1/8" ID	3.2 ID	FT-MC23-02	FT-MCD23-02	1.18		
1/4" ID	6.4 ID	FT-MC23-04	FT-MCD23-04	1.18		

* Panel Opening = 1/2" Panel Nut = 5/8" Hex Panel Thickness = 0.32" Maximum and 0.050" Minimum.
 †† PTF fittings are designed for semi-rigid tubing i.e. polyethylene, nylon, etc. and polyurethane tubing. Acetal and Chrome-Plated Brass coupling halves interchange.



MULTIPLE MOUNTING

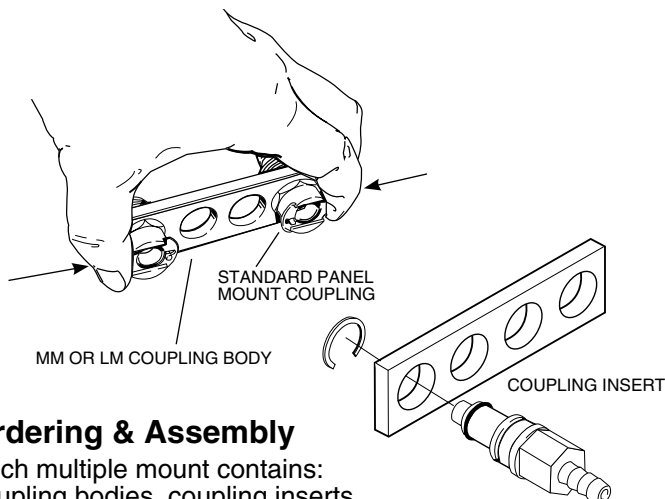
Easily Connects 3 to 5 Lines

- ✓ Leak Free, Easy Operation
- ✓ High Flow
- ✓ Thermoplastic or Chrome-Plated Brass
- ✓ Straight Thru, Double or Single End Shutoff
- ✓ Available for 3, 4, or 5 Coupling Mounts
- ✓ Keyed to Prevent Mismatches



Quick, convenient multiple couplings connect and disconnect several tubing lines at once and are easily made up from standard OMEGA® Quick Couplings. Multiple mounts are available in thermoplastic or chrome-plated brass, 1/8" and 1/4" flow sizes. Various materials, flow, weight and space requirements are accommodated.

FT-PMM/ PLM Series



Ordering & Assembly

Each multiple mount contains: coupling bodies, coupling inserts and coupling plates.

† Visit omega.com/rohs to determine specific RoHS compliance.

Bodies

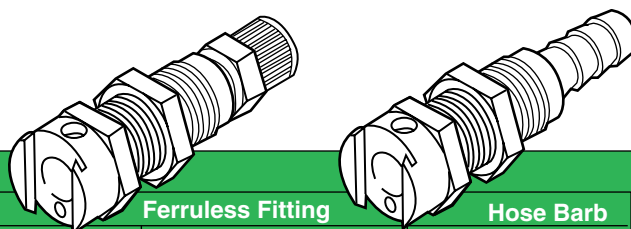
- Each multiple mount requires two standard panel mount coupling bodies.
- Remaining stations require multiple mount bodies. (see below)

Inserts

- Order required flow size and end configuration. (see next page).
- Retaining clip is included with each insert.
- Multiple mounting inserts are designed for mounting on 1/4" plates.

Coupling Mounting Plates

- Coupling plates are available for 3, 4, or 5 connections or construct your own plates.
- Keyed to prevent misconnections.



Multiple Mount Bodies

To Order						
Ferruleless Polytube Fitting††, PTF				Ferruleless Fitting		Hose Barb
Tubing Size OD X ID	Metric mm	Flow	Acetal Straight Thru	Shutoff	Chrome-Plated Brass Straight Thru	Shutoff
1/4" x 0.170"	6 x 4.3	1/8"	FT-PMM12-04	FT-PMMD12-04	FT-MM12-04	FT-MMD12-04
1/4" x 0.170"	6 x 4.3	1/4"	FT-PLM120-04	FT-PLMD120-04	FT-LM120-04	FT-LMD120-04
3/8" x 0.250"	9.5 x 6	1/4"	FT-PLM120-06	FT-PLMD120-06	FT-LM120-06	FT-LMD120-06
Hose Barb						
1/8" ID	3.2 ID	1/8"	FT-PMM16-02	FT-PMMD16-02	FT-MM16-02	FT-MMD16-02
3/16" ID	4.8 ID	1/8"	FT-PMM16-03	FT-PMMD16-03	FT-MM16-03	FT-MMD16-03
1/4" ID	6.4 ID	1/8"	FT-PMM16-04	FT-PMMD16-04	FT-MM16-04	FT-MMD16-04
1/4" ID	6.4 ID	1/4"	FT-PLM160-04	FT-PLMD160-04	FT-LM160-04	FT-LMD160-04
5/16" ID	7.9 ID	1/4"	FT-PLM160-05	FT-PLMD160-05	FT-LM160-05	FT-LMD160-05
3/8" ID	9.5 ID	1/4"	FT-PLM160-06	FT-PLMD160-06	FT-LM160-06	FT-LMD160-06

†† PTF fittings are designed for semi-rigid tubing i.e. polyethylene, nylon etc. and polyurethane tubing.

THERMOPLASTIC QUICK COUPLINGS

SUBMINIATURE COUPLING

For 1/16", 1/8" & 3 mm ID tubing, FT-SMC Series



Features:

- ✓ Leak Free Seal—Replaceable O-Ring Seal Makes a Reliable Pressure or Vacuum Seal
- ✓ Small Size and Clean Appearance—Space Saving Couplings for In-Line, Panel Mount and Pipe Thread Tubing Connections
- ✓ Easy-to-Use Positive Locking—Reliable Snap-Lock Is Quick and Dependable for Vacuum to 100 psi
- ✓ Eliminates Kinking, Twisting and Accidental Unlocking—Design Allows Tubing to Swivel Independent of Locking Mechanism. This Prevents Accidental Unlocking Typical of Luer-Type Connections
- ✓ Corrosion Resistant—Thermoplastic Acetal and Polypropylene are Compatible with FDA and Chemical Applications
- ✓ Single Side Shutoff—Automatically Stops Flow When Coupling is Disconnected. Available for 1/16", 1/8" and 3mm Connectors, Body Side Only
- ✓ Gamma Sterilizable—Available in Polycarbonate

Applications

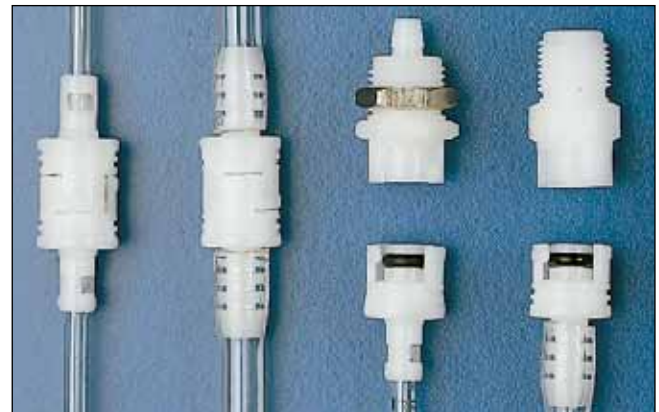
- ✓ Medical and Surgical Instrumentation
- ✓ Air Logic Systems
- ✓ Pneumatic Control Systems
- ✓ Disposable Medical Devices



FT-SMC Series quick disconnect couplings bring reliability, economy and added convenience to users of very small flexible plastic tubing.

OMEGA's FT-SMC coupling is a reliable quick connect system for easy servicing and quick component replacement. Available for in line, panel mount and pipe thread configurations. FT-SMC couplings are a reliable alternative to luer-type connections for medical instruments and devices. Their reliable O-Ring seal makes a leak-free connection every time.

† Visit omega.com/rohs to determine specific RoHS compliance.



Subminiature couplings offer reliable, repeatable sealing capability for space-constrained applications. Shown here actual size.

FT-SMC Complete In Line Couplings

To Order					
	1/16" X 1/16" Hose Barb				
	ACETAL STRAIGHT THRU MODEL NO.	ACETAL SHUTOFF MODEL NO.	POLYPROPYLENE STRAIGHT THRU MODEL NO.	LENGTH	
				THRU	OFF
	FT-SMC-01	FT-SMCD-01	FT-SMC-01-12	1.32"	1.46"
1/8" X 1/8" Hose Barb – 4 x 4 mm Hose Barb					
FT-SMC-02	FT-SMCD-02	FT-SMC-02-12	1.61"	1.61"	
3 x 3 mm Hose Barb					
FT-SMC-M3	FT-SMCD-M3	—	1.62"	1.62"	

SPECIFICATIONS

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Operating Temperature:

Acetal: -40 to 82°C (-40 to 180°F)

Polypropylene: 0 to 82°C (32 to 180°F)

Materials:

Coupling: Acetal, Polypropylene

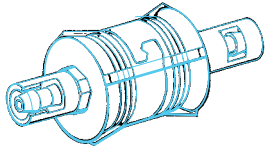
Locking Sleeves: Acetal

Shutoff Valves: Polypropylene

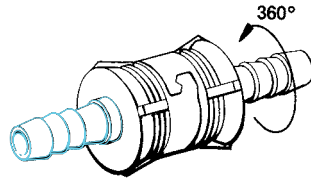
Valve Spring: 316 Stainless Steel

Seals: Buna with Acetal EPR with Polypropylene

Tubing Size: 1/16" and 1/8" ID, 3 mm, 4 mm ID



Exclusive 1/16" shrouded hose barb prevents breakage. Patented.



Tubing ends rotate independently of each other.

Ordering Information: FT-SMC couplings can be ordered complete for in line applications. For pipe thread and panel mount applications both coupling halves must be specified. For example, a panel mount body coupling (FT-SMFPM-01) requires an insert half of either 1/16", 1/8", 3 or 4 mm to make a complete connection.

In Line Coupling Halves



To Order					
Insert Half					
TUBING ID SIZE	METRIC mm ID	ACETAL STRAIGHT THRU MODEL NO.	POLYPROPYLENE SHUTOFF MODEL NO.	STRAIGHT THRU MODEL NO.	LENGTH (inch)
1/16"	—	FT-SMM-01	—	FT-SMM-01-12	1.10
—	3	FT-SMM-M3	—	—	—
1/8"	4	FT-SMM-02	—	FT-SMM-02-12	1.10
Body Half					
1/16"	—	FT-SMF-01	FT-SMFD-01	FT-SMF-01-12	1.25
—	3	FT-SMF-M3	FT-SMFD-M3	—	—
1/8"	4	FT-SMF-02	FT-SMFD-02	FT-SMF-02-12	1.25
Panel Mount Coupling Halves					
Insert Half					
TUBING ID SIZE	METRIC mm ID	ACETAL STRAIGHT THRU MODEL NO.	SHUTOFF MODEL NO.	POLYPROPYLENE STRAIGHT THRU MODEL NO.	LENGTH (inch)
1/16"	—	FT-SMMPM-01	—	FT-SMMPM-01-12	0.90
—	3	FT-SMMPM-M3	—	—	—
1/8"	4	FT-SMMPM-02	—	FT-SMMPM-02-12	0.90
Body Half					
1/16"	—	FT-SMFPM-01	FT-SMFPMD-01	FT-SMFPM-01-12	0.90
—	3	FT-SMFPM-M3	FT-SMFPMD-M3	—	—
1/8"	4	FT-SMFPM-02	FT-SMFPMD-02	FT-SMFPM-02-12	0.90
Pipe Thread Coupling Halves					
Body Half					
TUBING ID SIZE	METRIC mm ID	ACETAL STRAIGHT THRU MODEL NO.	SHUTOFF MODEL NO.	POLYPROPYLENE STRAIGHT THRU MODEL NO.	LENGTH (inch)
1/8" NPT MALE	—	FT-SMPT-02	FT-SMPTD-02	FT-SMPT-02-12	0.86

* Maximum Panel Thickness = 7/32"; Panel Opening = 7/16".

Ordering Examples: FT-SMF-02, body half (pkg of 10), and FT-SMM-02, insert half (pkg of 10). FT-SMCD-01, complete in-line Acetal shutoff (pkg of 10).

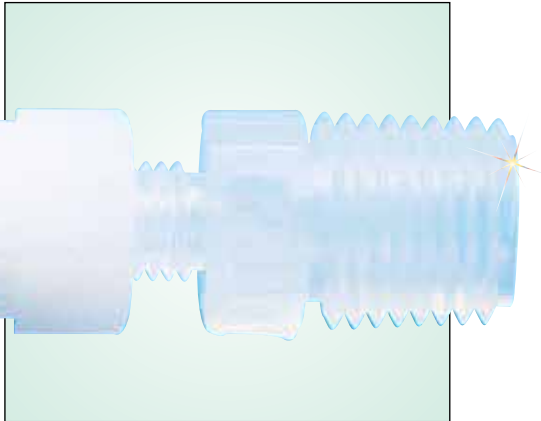
FTTP Series



All OMEGA® PFA fittings are equipped with the Grab-Seal System for positive sealing. Installation is quick and easy, and no tools are required. Simply cut tubing to desired length; position nut, Grab-Seal gripper, and ferrule on the tube, and tighten the nut with your fingers.

For most applications, all you need is your hand to make a positive leak-free connection. Applications include biomedical, chemical, petro-chemical, food processing, and semiconductor industries.

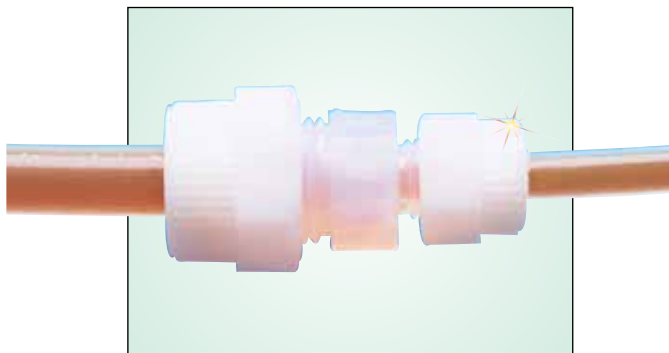
Straight Male Adaptor



Union Elbow



Union Reducer



To Order		
Model No.	Tube OD (inch)	Pipe Size NPT
FTTP-22	1/8	1/8
FTTP-24	1/8	1/4
FTTP-42	1/4	1/8
FTTP-44	1/4	1/4
FTTP-46	1/4	3/8
FTTP-48	1/4	1/2
FTTP-62	3/8	1/8
FTTP-64	3/8	1/4
FTTP-66	3/8	3/8
FTTP-68	3/8	1/2
FTTP-84	1/2	1/4
FTTP-86	1/2	3/8
FTTP-88	1/2	1/2
FTTP-812	1/2	3/4
FTTP-128	3/4	1/2
FTTP-1212	3/4	3/4
FTTP-1216	3/4	1
FTTP-1612	1	3/4
FTTP-1616	1	1

Ordering Example: FTTP-22, 1/8" OD tube, male connector.
 Visit us online for a full selection of OMEGAFLEX® tubing.

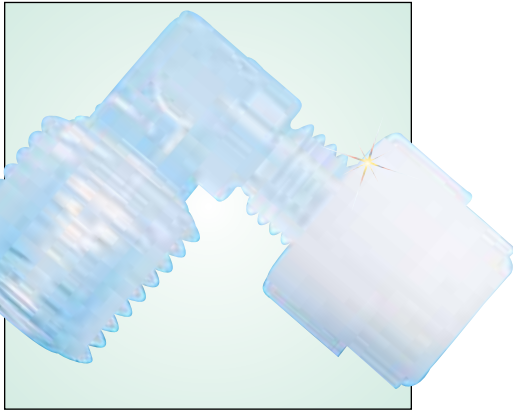
Model No.	Tube OD (inch)
FTTP-2	1/8
FTTP-4	1/4
FTTP-6	3/8
FTTP-8	1/2
FTTP-12	3/4
FTTP-16	1

Model No.	Tube Od	
	OD 1 (inch)	OD (inch)
FTTP-24U	1/8	1/4
FTTP-46U	1/4	3/8
FTTP-48U	1/4	1/2
FTTP-68U	3/8	1/2
FTTP-128U	3/4	1/2
FTTP-1216U	3/4	1

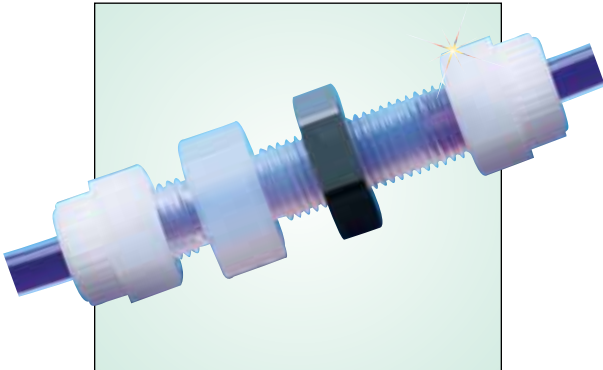
DEA Compressinn Fittinne

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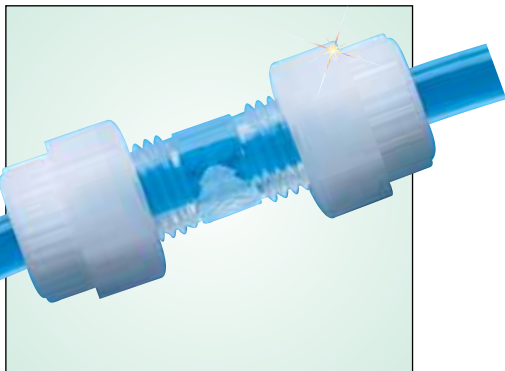
Male Elbow



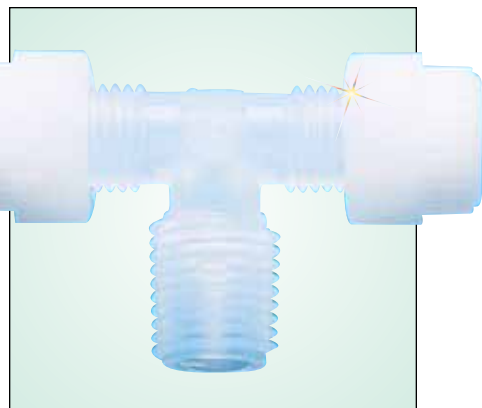
Union Panel Mount



Union



Male Branch Tee



To Order		
Model No.	Tube OD (inch)	Pipe Size NPT
FTTP-22E	1/8	1/8
FTTP-24E	1/8	1/4
FTTP-42E	1/4	1/8
FTTP-44E	1/4	1/4
FTTP-46E	1/4	3/8
FTTP-62E	3/8	1/8
FTTP-64E	3/8	1/4
FTTP-66E	3/8	3/8
FTTP-68E	3/8	1/2
FTTP-84E	1/2	1/4
FTTP-86E	1/2	3/8
FTTP-88E	1/2	1/2
FTTP-812E	1/2	3/4
FTTP-128E	3/4	1/2
FTTP-1212E	3/4	3/4
FTTP-1216E	3/4	1
FTTP-1612E	1	3/4
FTTP-1616E	1	1

Model No.	Tube OD (inch)
FTTP-2S	1/8
FTTP-4S	1/4
FTTP-6S	3/8
FTTP-8S	1/2
FTTP-12S	3/4
FTTP-16S	1

Model No.	Tube OD (Inch)
FTTP-2SU	1/8
FTTP-4SU	1/4
FTTP-6SU	3/8
FTTP-8SU	1/2
FTTP-12SU	3/4
FTTP-16SU	1

Model No.	Tube OD (inch)	Pipe Size NPT
FTTP-2M	1/8	1/8
FTTP-4M	1/4	1/4
FTTP-6M	3/8	3/8
FTTP-8M	1/2	1/2
FTTP-12M	3/4	3/4
FTTP-16M	1	1

Ordering Example: FTTP-16M, 1" OD tube, male branch tee.

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Male Run Tee

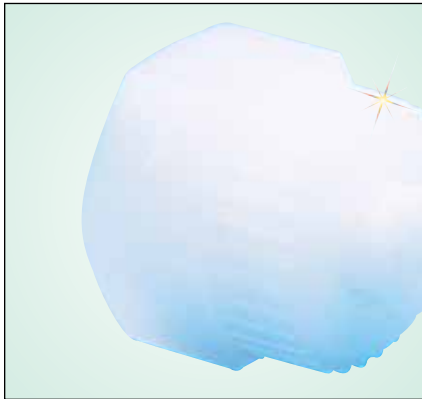
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To Order		
Model No.	Tube OD (inch)	Pipe Size NPTF
FTTP-2MR	1/8	1/8
FTTP-4MR	1/4	1/4
FTTP-6MR	3/8	3/8
FTTP-8MR	1/2	1/2
FTTP-12MR	3/4	3/4
FTTP-16MR	1	1

PFA Tube Accessories

Nut



Model No.	Tube OD (inch)
FTTP-2N	1/8
FTTP-4N	1/4
FTTP-6N	3/8
FTTP-8N	1/2
FTTP-12N	3/4
FTTP-16N	1

Grab-Seal Gripper



Model No.	Tube OD (inch)
FTTP-2G	1/8
FTTP-4G	1/4
FTTP-6G	3/8
FTTP-8G	1/2
FTTP-12G	3/4
FTTP-16G	1

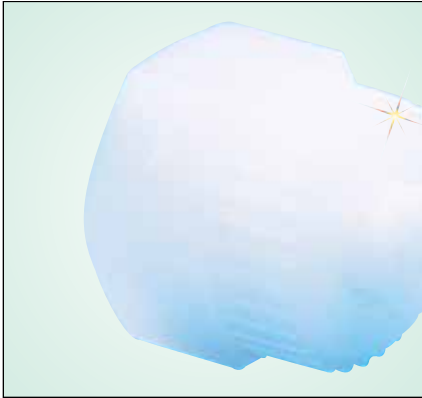
Grab-Seal Ferrule



Model No.	Tube OD (inch)
FTTP-2F	1/8
FTTP-4F	1/4
FTTP-6F	3/8
FTTP-8F	1/2
FTTP-12F	3/4
FTTP-16F	1

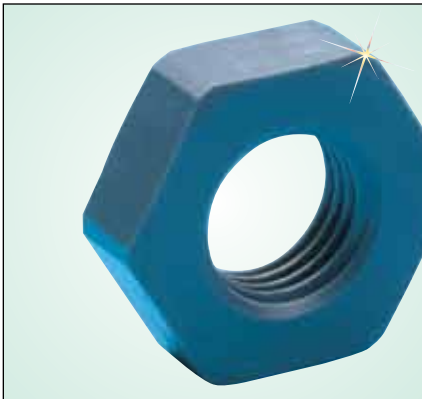
Ordering Example: FTTP-2N, nut for 1/8" OD tubing.

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To Order	
Model No.	Tube Size (inch)
FTTP-2P	1/8
FTTP-4P	1/4
FTTP-6P	3/8
FTTP-8P	1/2
FTTP-12P	3/4
FTTP-16P	1

Panel Nut

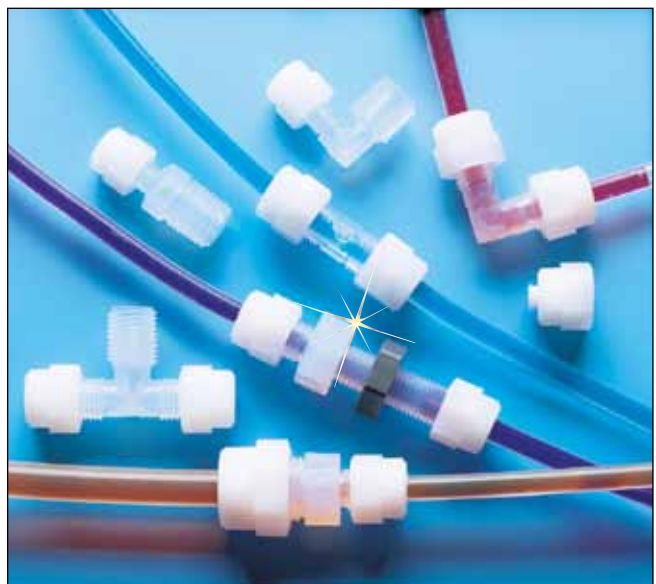
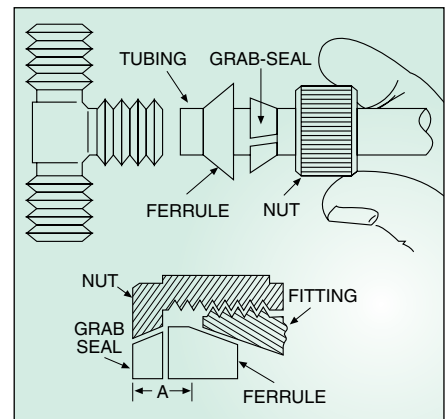


Model No.	Tube OD (inch)	Hex Flat (inch)
FTTP-2PN	1/8	3/4
FTTP-4PN	1/4	3/4
FTTP-6PN	3/8	1
FTTP-8PN	1/2	1 1/4
FTTP-12PN	3/4	1 5/8

Ordering Example: FTTP-4PN, panel nut for 1/4" tube OD.

PFA Tube Accessories

1. Cut tubing to desired length.
2. Loosen the nut, insert tube (the pre-assembled fitting should be ready for use).
3. Tighten the nut.
4. The fitting is now ready for use. No tools are required, but if you decide to use a mechanical device to tighten it, rotate the nut no more than a 1/2 turn past finger-tight.



MULTITUBE QUICK COUPLING

Connect 1 to 10 Tubes in One Easy Motion

FT-T Series



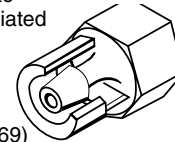
By P/N

- ✓ **Fast Hook-Up**—1 to 10 lines in Seconds, Even 1/16" Lines
- ✓ **Dependable**—For Vacuum or Pressure
- ✓ **Lightweight**—Adapts Easily to Any Application
- ✓ **Versatile**—Ideal for Panel Mounting or In Line Connections
- ✓ **Long Life**—Replaceable Inserts and Seals Cut Costs
- ✓ **Mix Tubing Sizes**—Fit Specific Applications Requiring 1/16, 1/8" and 3, 4 mm ID Tubing

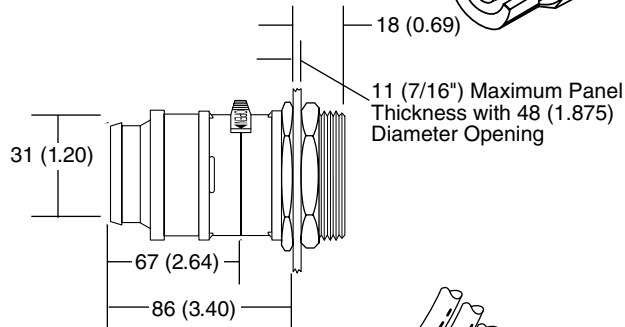
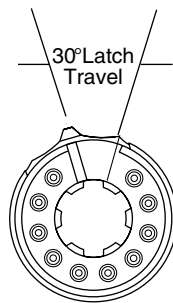


The Multitube Quick Coupling is the most reliable, easy operating multiple tube connection available for plastic tubing. Pneumatic control systems designers appreciate the Multitube advantages and features. The rugged thermoplastic design utilizes the toughness of engineering plastics and provides economy and other user requested features.

Tube fitting insert
 OMEGA's exclusive Multitube Includes the 1/16" ID shrouded tube fitting to eliminate fitting breakage associated with miniature tube fittings. Patented.



Positive latch connection. Slide the latch 30° for a positive no leak seal. Distinct click assures coupling is locked. Connect or disconnect in one simple motion.



Optional tubing shroud is ideal for in line applications

Optional tubing jacket protects tubing

Straight thru or single side shutoff capability

Replaceable inserts

Keyed to provide non-interchangeable hook-up

Individual O-Ring seal connections assure leak-free vacuum or pressure connections

Thermoplastic materials provide exceptional chemical resistance

Multitube panel mount adaptor fits through a 48 (1.875") diameter hole

Patented.

Ordering Information: Each coupling body includes ten inserts of one tube size. Purchase inserts of different sizes for replacements of original tube fittings or to mix tube sizes in the coupling. Coupling body does not include optional tubing shroud or panel mount adaptor. Specify separately depending on coupling configuration; i.e. panel mount coupling requires 1 tubing shroud, 1 panel mount adaptor. Tube-to-tube coupling assemblies require 2 tubing shrouds.

Note: Connectors supplied with one size tube fitting unless specified otherwise.

SPECIFICATIONS

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Operating Temperature:

Delrin®/Celcon® Acetal Fitting Inserts:

-40 to 82°C (-40 to 180°F) continuous

Polypropylene Fitting Inserts:

0 to 82°C (32 to 180°F) continuous

Materials:

Fitting Inserts: Delrin/Celcon Acetal or Polypropylene

Valves: Polypropylene

Valve Springs: 316 Stainless Steel

Seals: Buna with Delrin/Celcon Acetal EPR with Polypropylene

Body/Color: Nylon/Black

Panel Mount Adapter: Delrin/Celcon Acetal

Tube Shroud: Delrin/Celcon Acetal

Tubing Sizes: 1/16" and 1/8" ID

1/4" OD Poly, 6 x 4 mm Nylon, and 3 mm ID Nylon



Multitube multiple tube quick couplings increase serviceability for pneumatic controls.

Multitube

To Order				
<p>COMPLETE COUPLING BODY</p>		Complete Coupling Set		
Tubing Size ID	Metric EQ mm ID	Delrin®/Celcon® Acetal Straight Thru Model No.	Delrin®/Celcon® Acetal Shutoff Model No.	Polypropylene Straight Thru Model No.
1/16"	—	FT-TT10-01	FT-TTD10-01	FT-TT10-01-12
—	3	FT-TT10-M3	FT-TTD10-M3	—
1/8"	4	FT-TT10-02	FT-TTD10-02	FT-TT10-02-12
<p>COMPLETE COUPLING INSERT</p>		Complete Coupling Body		
1/16"	—	FT-TFB10-01	FT-TFBD10-01	FT-TFB10-01-12
—	3	FT-TFB10-M3	FT-TFBD10-M3	—
1/8"	4	FT-TFB10-02	FT-TFBD10-02	FT-TFB10-02-12
Body without Inserts		FT-TFB10	—	—
<p>COMPLETE COUPLING INSERT</p>		Complete Coupling Insert		
1/16"	—	FT-TMB10-01	—	FT-TMB10-01-12
—	3	FT-TMB10-M3	—	—
1/8"	4	FT-TMB10-02	—	FT-TMB10-02-12
Body without Inserts		FT-TMB10	—	—
<p>COMPLETE COUPLING INSERT</p>		Fitting Inserts		
1/16"	—	FT-TMF-01	—	FT-TMF-01-12
—	3	FT-TMF-M3	—	—
1/8"	4	FT-TMF-02	—	FT-TMF-02-12
<p>TUBE SHROUD PANEL MOUNT ADAPTOR & NUT MULTITUBE COUPLING</p>		Fitting Bodies		
1/16"	—	FT-TFF-01	FT-TFFD-01	FT-TFF-01-12
—	3	FT-TFF-M3	FT-TFFD-M3	—
1/8"	4	FT-TFF-02	FT-TFFD-02	FT-TFF-02-12
<p>TUBE FITTING INSERT TUBE FITTING BODY</p>		Accessories		
<p>TUBE FITTING BODY WITH SHUTOFF</p>		Description		
<p>Dimensions: mm (inch)</p>		Tube Shroud snaps into either half		Model No. FT-TS-10
		Panel Mount Adaptor includes nut 7/16" maximum panel thickness requires 1.875" Diameter hole		FT-TPM-10
		Tube Jacketing black, 40 foot coils standard		FT-TJ-10
		Cable tie		FT-CT-10

Ordering Example: FT-TT10-01-12, polypropylene coupling set, FT-TS-10, tube shroud.

Rometec srl - www.rometec.it - info@rometec.it - Rometec srl - www.rometec.it - info@rometec.it

FITTING ASSEMBLIES

LVM-50 Series



- ✓ Ideal Single-Switch Installation Fitting for High or Low Level Switch Applications
- ✓ Installation is Fast, Simple and Cost Effective
- ✓ Custom User Specified Lengths From 15.20 cm to 2.4 m (6" to 8')
- ✓ Compatible with OMEGA® Level Switches, Relay Controllers and Junction Boxes
- ✓ Constructed of PP, PVC or PVDF Materials for Corrosive Liquids
- ✓ Entire Level Switch Assembly Installs Through 2 NPT Fittings
- ✓ Compact Junction Box Rated NEMA 4X (IP65) for Power and Signal Termination
- ✓ Side Mount Bracket (Sold Separately) Provides Easy Installation in Open Tanks or Sumps

Side Mount Bracket

Bracket Material: Polypropylene

Mounting Threads: 2 NPT

Installation: Bolt or plastic weld

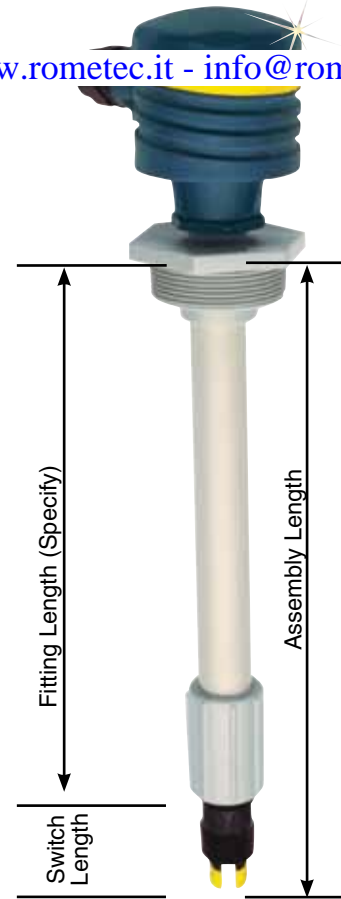
Note: For open tanks or sumps, select the side mount bracket for quick installation to the side wall. The LVM-30 mounting bracket is fully compatible with the LVM-50 installation fittings and is designed for bolt or heat weld attachments to the vessel.



LVM-30 shown smaller than actual size.

Fitting Length

The length is measured from the base of wrench flat to the end of the level switch adapter. To specify the fitting length, determine the assembly length including the level switch that will be installed on the LVM-50 Series fitting. The assembly length minus the nominal switch length equals the length of the fitting. Specify the length with the part number at the time of your order.



Assembly shown with LVCN-12 junction box and LVU-150-R ultrasonic switch.

NOMINAL SWITCH LENGTHS

Model No.	Technology	Adder
LTU-101	Tuning Fork	3.5"
LVU-150	Ultrasonic	2.0"
LVC-101	RF Capacitance	2.0"
LVF-210	Optic	2.0"
LVV-110	Vertical Buoyancy	4.3"
LVC-152	Capacitance	4.0

SPECIFICATIONS

Junction Box

Enclosure Rating: NEMA 4X (IP65)

Enclosure Material: Polypropylene

Enclosure Rotation: 300° swivel base

Termination: 6 pole socket terminal strip

Temperature Range: -40 to 70°C (-40 to 158°F)

Conduit Connection: ½ NPT

LVM-50 Series Fitting

Fitting Lengths: 15.2 cm to 2.4 m (6" to 8')

Fitting Tolerance: ⅛" (typical)

Fitting Material: PP, PVC or PVDF

Mounting Thread: 2 NPT

Mixing Velocity: Up to 1.5 fps

Temperature Range: -40 to 90°C (-40 to 194°F)

Pressure Range: 150 psi @ 25°C, derated @ 1.667 psi per °C above 25°C

CUSTOM MODELS BUILT TO ORDER!

To Order	
Model No.	Description
LVM-50-XX	Switch fitting, PVC
LVM-51-XX	Switch fitting, PP
LVM-52-XX	Switch fitting, PVDF
LVCN-12	Compact junction box (1 to 3 switches)
LVM-30	Side mount bracket, PP

The length must be specified with the part number (ex: **LVM-51-3.5"**) at the time of your order. Prices shown do not include insertion tube length. For PVC, and PP, additional cost per foot for each additional foot up to 8'. For PVDF, additional cost per foot for each additional foot up to 8'. The length may be specified from 6" to 8' maximum. For integral power and signal termination, order one compact junction box for installation on the top of switch assembly. To install an LVM-50 in an open tank or sump, order one side mount bracket LVM-30. The switch fitting components (2 NPT plug fitting with ¼ NPT switch adapter) may also be purchased unassembled by specifying a zero length with the part number (ex: **LVM-50-00.00"**). Attachment of a user provided ¼" pipe section requires a solvent (PVC) or thermal (PP, PVDF) weld assembly with the switch pack fitting components.

Ordering Examples: LVM-50-00.00", zero length switch fitting, LVM-30 side mount bracket. LVM-51-3.5. PP switch fitting with 3.5 insertion length.

PLUG 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.

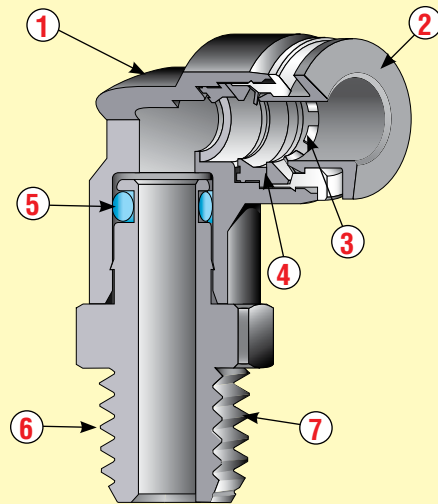


Method of Assembly



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 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.



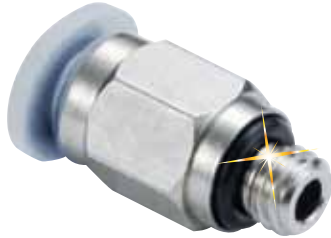
Shown larger than actual size.



To Order

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

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.



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



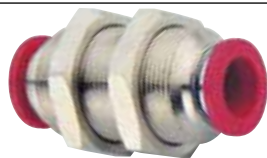
OM-AIR-C24880210	10-32 UNF	5/32", 4 mm
OM-AIR-C24880410	10-32 UNF	1/4"
OM-AIR-C24880218	1/8 NPT	5/32", 4 mm
OM-AIR-C24880418	1/8 NPT	1/4"
OM-AIR-C24880228	1/4 NPT	5/32", 4 mm
OM-AIR-C24880428	1/4 NPT	1/4"
OM-AIR-C24880628	1/4 NPT	3/8"
OM-AIR-C24880438	3/8 NPT	1/4"
OM-AIR-C24880638	3/8 NPT	3/8"
OM-AIR-C24880648	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" tubina.

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

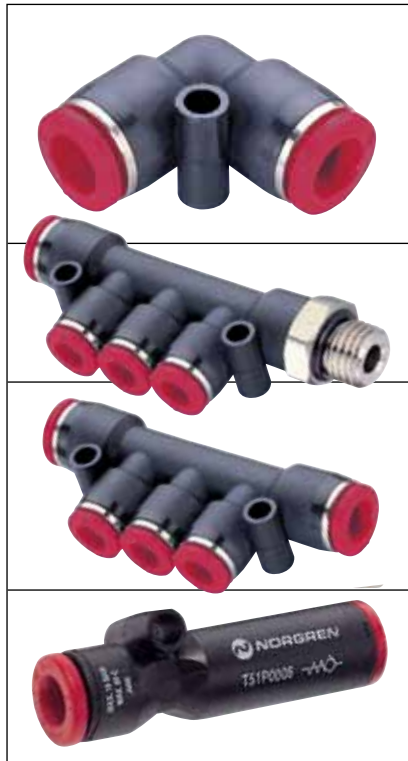
PLUG

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	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

FTNY/ FTPP/FTKY

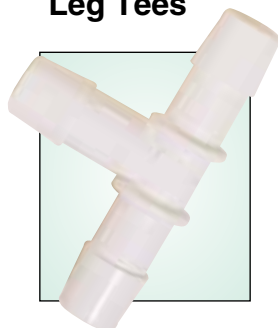


By Individual
Model No.†

Thread-Barb Adaptors



Equal Leg Tees



† Visit omega.com/rohs to determine specific RoHS compliance.

To Order				
Black Nylon Model No.	Natural Polypropylene Model No.	Natural Kynar® Model No.	Size Specification	
			Tube Id	Thread
FTNY-K210BN	FTPP-K210NP	FTKY-K210NK	1/16"	10-32 UNF
FTNY-K220BN	FTPP-K220NP	FTKY-K220NK	3/32"	10-32 UNF
FTNY-K230BN	FTPP-K230NP	FTKY-K230NK	1/8"	10-32 UNF
FTNY-K240BN	FTPP-K240NP	FTKY-K240NK	5/32"	10-32 UNF
FTNY-X210BN	FTPP-X210NP	FTKY-X210NK	1/16"	10-32 TAPER
FTNY-X220BN	FTPP-X220NP	FTKY-X220NK	3/32"	10-32 TAPER
FTNY-X230BN	FTPP-X230NP	FTKY-X230NK	1/8"	10-32 TAPER
FTNY-X240BN	FTPP-X240NP	FTKY-X240NK	5/32"	10-32 TAPER
FTNY-S210BN	FTPP-S210NP	FTKY-S210NK	1/16"	1/4-28 UNF
FTNY-S220BN	FTPP-S220NP	FTKY-S220NK	3/32"	1/4-28 UNF
FTNY-S230BN	FTPP-S230NP	FTKY-S230NK	1/8"	1/4-28 UNF
FTNY-S240BN	FTPP-S240NP	FTKY-S240NK	5/32"	1/4-28 UNF
FTNY-S250BN	FTPP-S250NP	FTKY-S250NK	3/16"	1/4-28 UNF
FTNY-M6210BN	FTPP-M6210NP	FTKY-M6210NK	1/16"	M6 METRIC
FTNY-M6220BN	FTPP-M6220NP	FTKY-M6220NK	3/32"	M6 METRIC
FTNY-M6230BN	FTPP-M6230NP	FTKY-M6230NK	1/8"	M6 METRIC
FTNY-M6240BN	FTPP-M6240NP	FTKY-M6240NK	5/32"	M6 METRIC
FTNY-M6250BN	FTPP-M6250NP	FTKY-M6250NK	3/16"	M6 METRIC
FTNY-16210BN	FTPP-16210NP	FTKY-16210NK	3/32"	1/16 NPT
FTNY-16220BN	FTPP-16220NP	FTKY-16220NK	1/8"	1/16 NPT
FTNY-16230BN	FTPP-16230NP	FTKY-16230NK	1/16"	1/8 NPT
FTNY-18210BN	FTPP-18210NP	FTKY-18210NK	3/32"	1/8 NPT
FTNY-18220BN	FTPP-18220NP	FTKY-18220NK	1/8"	1/8 NPT
FTNY-18230BN	FTPP-18230NP	FTKY-18230NK	5/32"	1/8 NPT
FTNY-A2-4BN	FTPP-A2-4NP	FTKY-A2-4NK	1/4"	1/8 NPT
FTNY-A2-6BN	FTPP-A2-6NP	FTKY-A2-6NK	3/8"	1/8 NPT
FTNY-A4-4BN	FTPP-A4-4NP	FTKY-A4-4NK	1/4"	1/4 NPT
FTNY-A4-6BN	FTPP-A4-6NP	FTKY-A4-6NK	3/8"	1/4 NPT
FTNY-A4-8BN	FTPP-A4-8NP	FTKY-A4-8NK	1/2"	1/4 NPT
FTNY-A6-4BN	FTPP-A6-4NP	FTKY-A6-4NK	1/4"	3/8 NPT
FTNY-A6-6BN	FTPP-A6-6NP	FTKY-A6-6NK	3/8"	3/8 NPT
FTNY-A6-8BN	FTPP-A6-8NP	FTKY-A6-8NK	1/2"	3/8 NPT
FTNY-A8-4BN	FTPP-A8-4NP	FTKY-A8-4NK	1/4"	1/2 NPT
FTNY-A8-6BN	FTPP-A8-6NP	FTKY-A8-6NK	3/8"	1/2 NPT
FTNY-A8-8BN	FTPP-A8-8NP	FTKY-A8-8NK	1/2"	1/2 NPT
FTNY-A8-12BN	FTPP-A8-12NP	FTKY-A8-12NK	3/4"	1/2 NPT
FTNY-A12-4BN	FTPP-A12-4NP	FTKY-A12-4NK	1/4"	3/4 NPT
FTNY-A12-6BN	FTPP-A12-6NP	FTKY-A12-6NK	3/8"	3/4 NPT
FTNY-A12-8BN	FTPP-A12-8NP	FTKY-A12-8NK	1/2"	3/4 NPT
FTNY-A12-12BN	FTPP-A12-12NP	FTKY-A12-12NK	3/4"	3/4 NPT
FTNY-A12-16BN	FTPP-A12-16NP	FTKY-A12-16NK	1"	3/4 NPT
FTNY-A16-16BN	FTPP-A16-16NP	FTKY-A16-16NK	1"	1 NPT

BLACK NYLON MODEL NO.	NATURAL POLYPROPYLENE MODEL NO.	NATURAL KYNAR MODEL NO.	TUBE ID
FTNY-T210BN	FTPP-T210NP	FTKY-T210NK	1/16"
FTNY-T220BN	FTPP-T220NP	FTKY-T220NK	3/32"
FTNY-T230BN	FTPP-T230NP	FTKY-T230NK	1/8"
FTNY-T0-4BN	FTPP-T0-4NP	FTKY-T0-4NK	1/4"
FTNY-T0-6BN	FTPP-T0-6NP	FTKY-T0-6NK	3/8"
FTNY-T0-8BN	FTPP-T0-8NP	FTKY-T0-8NK	1/2"
FTNY-T0-10BN	FTPP-T0-10NP	FTKY-T0-10NK	5/8"
FTNY-T0-12BN	FTPP-T0-12NP	FTKY-T0-12NK	3/4"
FTNY-T0-16BN	FTPP-T0-16NP	FTKY-T0-16NK	1"

Ordering Examples: FTNY-18230BN, 1/8 NPT thread for 5/32" tubing, (10 pk).
 FTKY-T220NK, natural Kynar tees for 3/32" tubing, (5 pk).

Reduction Couplers



For compatible tubing, visit us online.

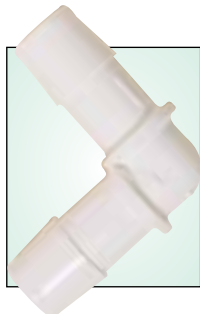
To Order				
BLACK NYLON MODEL NO.	NATURAL POLYPROPYLENE MODEL NO.	NATURAL KYNAR® MODEL NO.	SIZE SPECIFICATION	
			TUBE ID #1	TUBE ID #2
FTNY-N220/210BN	FTPP-N220/210NP	FTKY-N220/210NK	3/32"	1/16"
FTNY-N230/210BN	FTPP-N230/210NP	FTKY-N230/210NK	1/8"	1/16"
FTNY-N230/220BN	FTPP-N230/220NP	FTKY-N230/220NK	1/8"	3/32"
FTNY-1040BN	FTPP-1040NP	FTKY-1040NK	1/16"	5/32"
FTNY-2040BN	FTPP-2040NP	FTKY-2040NK	3/32"	5/32"
FTNY-3040BN	FTPP-3040NP	FTKY-3040NK	1/8"	5/32"
FTNY-1050BN	FTPP-1050NP	FTKY-1050NK	1/16"	3/16"
FTNY-2050BN	FTPP-2050NP	FTKY-2050NK	3/32"	3/16"
FTNY-3050BN	FTPP-3050NP	FTKY-3050NK	1/8"	3/16"
FTNY-4050BN	FTPP-4050NP	FTKY-4050NK	5/32"	3/16"
FTNY-3060BN	FTPP-3060NP	FTKY-3060NK	1/8"	1/4"
FTNY-4060BN	FTPP-4060NP	FTKY-4060NK	5/32"	1/4"
FTNY-5060BN	FTPP-5060NP	FTKY-5060NK	3/16"	1/4"
FTNY-C5-4BN	FTPP-C5-4NP	FTKY-C5-4NK	5/16"	1/4"
FTNY-C6-4BN	FTPP-C6-4NP	FTKY-C6-4NK	3/8"	1/4"
FTNY-C6-5BN	FTPP-C6-5NP	FTKY-C6-5NK	3/8"	5/16"
FTNY-C8-4BN	FTPP-C8-4NP	FTKY-C8-4NK	1/2"	1/4"
FTNY-C8-5BN	FTPP-C8-5NP	FTKY-C8-5NK	1/2"	5/16"
FTNY-C8-6BN	FTPP-C8-6NP	FTKY-C8-6NK	1/2"	3/8"
FTNY-C10-4BN	FTPP-C10-4NP	FTKY-C10-4NK	5/8"	1/4"
FTNY-C10-5BN	FTPP-C10-5NP	FTKY-C10-5NK	5/8"	5/16"
FTNY-C10-6BN	FTPP-C10-6NP	FTKY-C10-6NK	5/8"	3/8"
FTNY-C10-8BN	FTPP-C10-8NP	FTKY-C10-8NK	5/8"	1/2"
FTNY-C12-6BN	FTPP-C12-6NP	FTKY-C12-6NK	3/4"	3/8"
FTNY-C12-8BN	FTPP-C12-8NP	FTKY-C12-8NK	3/4"	1/2"
FTNY-C12-10BN	FTPP-C12-10NP	FTKY-C12-10NK	3/4"	5/8"
FTNY-C16-8BN	FTPP-C16-8NP	FTKY-C16-8NK	1"	1/2"
FTNY-C16-10BN	FTPP-C16-10NP	FTKY-C16-10NK	1"	5/8"
FTNY-C16-12BN	FTPP-C16-12NP	FTKY-C16-12NK	1"	3/4"

Equal Leg Couplers



BLACK NYLON MODEL NO.	NATURAL POLYPROPYLENE MODEL NO.	NATURAL KYNAR MODEL NO.	SIZE SPECIFICATION TUBE ID #1
FTNY-N210BN	FTPP-N210NP	FTKY-N210NK	1/16"
FTNY-N220BN	FTPP-N220NP	FTKY-N220NK	3/32"
FTNY-N230BN	FTPP-N230NP	FTKY-N230NK	1/8"
FTNY-4040BN	FTPP-4040NP	FTKY-4040NK	5/32"
FTNY-5050BN	FTPP-5050NP	FTKY-5050NK	3/16"
FTNY-C0-4BN	FTPP-C0-4NP	FTKY-C0-4NK	1/4"
FTNY-C0-5BN	FTPP-C0-5NP	FTKY-C0-5NK	5/16"
FTNY-C0-6BN	FTPP-C0-6NP	FTKY-C0-6NK	3/8"
FTNY-C0-8BN	FTPP-C0-8NP	FTKY-C0-8NK	1/2"
FTNY-C0-10BN	FTPP-C0-10NP	FTKY-C0-10NK	5/8"
FTNY-C0-12BN	FTPP-C0-12NP	FTKY-C0-12NK	3/4"
FTNY-C0-16BN	FTPP-C0-16NP	FTKY-C0-16NK	1"

Equal Leg Elbows



BLACK NYLON MODEL NO.	NATURAL POLYPROPYLENE MODEL NO.	NATURAL KYNAR MODEL NO.	SIZE SPECIFICATION TUBE ID
FTNY-L210BN	FTPP-L210NP	FTKY-L210NK	1/16"
FTNY-L220BN	FTPP-L220NP	FTKY-L220NK	3/32"
FTNY-L230BN	FTPP-L230NP	FTKY-L230NK	1/8"
FTNY-L0-4BN	FTPP-L0-4NP	FTKY-L0-4NK	1/4"
FTNY-L0-6BN	FTPP-L0-6NP	FTKY-L0-6NK	3/8"
FTNY-L0-8BN	FTPP-L0-8NP	FTKY-L0-8NK	1/2"
FTNY-L0-10BN	FTPP-L0-10NP	FTKY-L0-10NK	5/8"
FTNY-L0-12BN	FTPP-L0-12NP	FTKY-L0-12NK	3/4"
FTNY-L0-16BN	FTPP-L0-16NP	FTKY-L0-16NK	1"

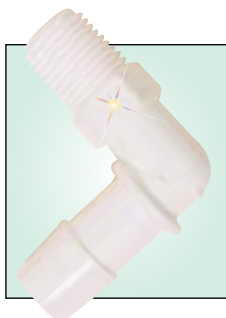
Ordering Examples: FTNY-C12-10BN, nylon reduction coupler for 3/4" and 5/8" tubing, (10 pk).
 FTTP-C0-4NP, natural polypropylene equal leg coupler for 1/4" tubing, (10 pk).

Thread-Barb Tees



To Order				
BLACK NYLON MODEL NO.	NATURAL POLYPROPYLENE MODEL NO.	NATURAL KYNAR® MODEL NO.	SIZE SPECIFICATION	
			TUBE ID	THREAD (NPT)
FTNY-KT210BN	—	—	1/16"	10-32 UNF
FTNY-KT220BN	FTPP-KT220NP	—	3/32"	10-32 UNF
FTNY-KT230BN	—	FTKY-KT230NK	1/8"	10-32 UNF
FTNY-XT210BN	FTPP-XT210NP	FTKY-XT210NK	1/16"	10-32 TAPER
FTNY-XT220BN	FTPP-XT220NP	FTKY-XT220NK	3/32"	10-32 TAPER
FTNY-XT230BN	FTPP-XT230NP	FTKY-XT230NK	1/8"	10-32 TAPER
FTNY-18T250BN	FTPP-18T250NP	FTKY-18T250NK	3/16"	1/8
FTNY-T2-4BN	FTPP-T2-4NP	FTKY-T2-4NK	1/4"	1/8
FTNY-T2-6BN	FTPP-T2-6NP	FTKY-T2-6NK	3/8"	1/8
FTNY-T4-4BN	FTPP-T4-4NP	FTKY-T4-4NK	1/4"	1/4
FTNY-T4-6BN	FTPP-T4-6NP	FTKY-T4-6NK	3/8"	1/4
FTNY-T4-8BN	FTPP-T4-8NP	FTKY-T4-8NK	1/2"	1/4
FTNY-T6-4BN	FTPP-T6-4NP	FTKY-T6-4NK	1/4"	3/8
FTNY-T6-6BN	FTPP-T6-6NP	FTKY-T6-6NK	3/8"	3/8
FTNY-T6-8BN	FTPP-T6-8NP	FTKY-T6-8NK	1/2"	3/8
FTNY-T8-4BN	FTPP-T8-4NP	FTKY-T8-4NK	1/4"	1/2
FTNY-T8-6BN	FTPP-T8-6NP	FTKY-T8-6NK	3/8"	1/2
FTNY-T8-8BN	FTPP-T8-8NP	FTKY-T8-8NK	1/2"	1/2
FTNY-T8-12BN	FTPP-T8-12NP	FTKY-T8-12NK	3/4"	1/2
FTNY-T12-4BN	FTPP-T12-4NP	FTKY-T12-4NK	1/4"	3/4
FTNY-T12-6BN	FTPP-T12-6NP	FTKY-T12-6NK	3/8"	3/4
FTNY-T12-8BN	FTPP-T12-8NP	FTKY-T12-8NK	1/2"	3/4
FTNY-T12-12BN	FTPP-T12-12NP	FTKY-T12-12NK	3/4"	3/4
FTNY-T12-16BN	FTPP-T12-16NP	FTKY-T12-16NK	1"	3/4
FTNY-T16-16BN	FTPP-T16-16NP	FTKY-T16-16NK	1"	1

Thread-Barb Elbows



BLACK NYLON MODEL NO.	NATURAL POLYPROPYLENE MODEL NO.	NATURAL KYNAR® MODEL NO.	SIZE SPECIFICATION	
			TUBE ID	THREAD (NPT)
FTNY-KL210BN	FTPP-KL210NP	FTKY-KL210NK	1/16"	10-32 UNF
FTNY-KL220BN	FTPP-KL220NP	FTKY-KL220NK	3/32"	10-32 UNF
FTNY-KL230BN	FTPP-KL230NP	FTKY-KL230NK	1/8"	10-32 UNF
FTNY-XL210BN	FTPP-XL210NP	FTKY-XL210NK	1/16"	10-32 TAPER
FTNY-XL220BN	FTPP-XL220NP	FTKY-XL220NK	3/32"	10-32 TAPER
FTNY-XL230BN	FTPP-XL230NP	FTKY-XL230NK	1/8"	10-32 TAPER
FTNY-18L230BN	FTPP-18L230NP	FTKY-18L230NK	1/8"	1/8 NPT
FTNY-18L250BN	FTPP-18L250NP	FTKY-18L250NK	3/16"	1/8 NPT
FTNY-18L260BN	FTPP-18L260NP	FTKY-18L260NK	1/4"	1/8 NPT
FTNY-L2-4BN	FTPP-L2-4NP	FTKY-L2-4NK	1/4"	1/8 NPT
FTNY-L2-6BN	FTPP-L2-6NP	FTKY-L2-6NK	3/8"	1/8 NPT
FTNY-L4-4BN	FTPP-L4-4NP	FTKY-L4-4NK	1/4"	1/4 NPT
FTNY-L4-6BN	FTPP-L4-6NP	FTKY-L4-6NK	3/8"	1/4 NPT
FTNY-L4-8BN	FTPP-L4-8NP	FTKY-L4-8NK	1/2"	1/4 NPT
FTNY-L6-4BN	FTPP-L6-4NP	FTKY-L6-4NK	1/4"	3/8 NPT
FTNY-L6-6BN	FTPP-L6-6NP	FTKY-L6-6NK	3/8"	3/8 NPT
FTNY-L6-8BN	FTPP-L6-8NP	FTKY-L6-8NK	1/2"	3/8 NPT
FTNY-L8-4BN	FTPP-L8-4NP	FTKY-L8-4NK	1/4"	1/2 NPT
FTNY-L8-6BN	FTPP-L8-6NP	FTKY-L8-6NK	3/8"	1/2 NPT
FTNY-L8-8BN	FTPP-L8-8NP	FTKY-L8-8NK	1/2"	1/2 NPT
FTNY-L8-12BN	FTPP-L8-12NP	FTKY-L8-12NK	3/4"	1/2 NPT
FTNY-L12-4BN	FTPP-L12-4NP	FTKY-L12-4NK	1/4"	3/4 NPT
FTNY-L12-6BN	FTPP-L12-6NP	FTKY-L12-6NK	3/8"	3/4 NPT
FTNY-L12-8BN	FTPP-L12-8NP	FTKY-L12-8NK	1/2"	3/4 NPT
FTNY-L12-12BN	FTPP-L12-12NP	FTKY-L12-12NK	3/4"	3/4 NPT
FTNY-L12-16BN	FTPP-L12-16NP	FTKY-L12-16NK	1"	3/4 NPT
FTNY-L16-16BN	FTPP-L16-16NP	FTKY-L16-16NK	1"	1 NPT

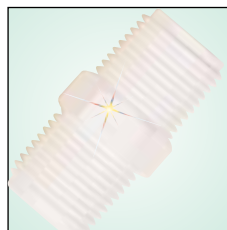
*Ordering Examples: FTNY-T8-6BN, nylon threaded barb tee for 1/2" tubing, (10 pk).
 FTKY-18L230NK, natural kynar 1/8 NPT for 1/8" tubing, (5 pk).*

Equal Leg "Y"



BLACK NYLON MODEL NO.	NATURAL POLYPROPYLENE MODEL NO.	NATURAL KYNAR® MODEL NO.	SIZE SPECIFICATION TUBE ID
FTNY-Y210BN	FTPP-Y210NP	FTKY-Y210NK	1/16"
FTNY-Y220BN	FTPP-Y220NP	FTKY-Y220NK	5/32"
FTNY-Y230BN	FTPP-Y230NP	FTKY-Y230NK	1/8"
FTNY-Y250BN	FTPP-Y250NP	FTKY-Y250NK	3/16"
FTNY-Y260BN	FTPP-Y260NP	FTKY-Y260NK	1/4"

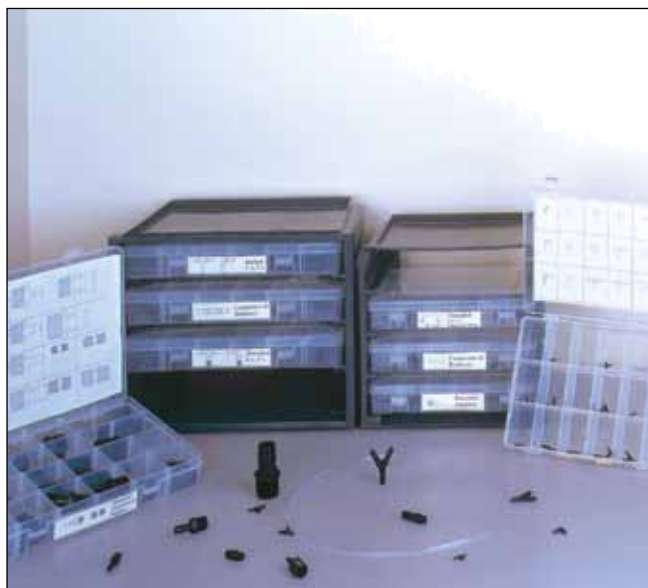
Threaded



BLACK NYLON MODEL NO.	NATURAL POLYPROPYLENE MODEL NO.	NATURAL KYNAR MODEL NO.	SIZE SPECIFICATION TUBE ID
FTNY-KNBN	FTPP-KNNP	FTKY-KNNK	10-32 UNF
FTNY-XNBN	FTPP-XNNP	FTKY-XNNK	10-32 TAPER
FTNY-N2BN	FTPP-N2NP	FTKY-N2NK	1/8 NPT
FTNY-N4BN	FTPP-N4NP	FTKY-N4NK	1/4 NPT
FTNY-N6BN	FTPP-N6NP	FTKY-N6NK	3/8 NPT
FTNY-N8BN	FTPP-N8NP	FTKY-N8NK	1/2 NPT
FTNY-N12BN	FTPP-N12NP	FTKY-N12NK	3/4 NPT
FTNY-N16BN	FTPP-N16NP	FTKY-N16NK	1 NPT

COMPLETE KITS

OMEGA® offers kits for storage and organization of a wide variety of fittings. Each unit consists of 4 impact-resistant boxes in a storage rack. The individual boxes, which feature secure, snap-shut latches, can be removed and carried separately. Convenient compartments make fittings easy to store and easy to find. See ordering chart at right.



SPECIFICATIONS

Temperature Range:

- Kynar:** -62 to 108°C (-80 to 226°F)
- Polypropylene:** -13 to 66°C (9 to 150°F)
- Nylon:** -46 to 135°C (-50 to 275°F)

Maximum Pressure:

- Kynar:** 17.9 bar (260 psi)
- Polypropylene:** 10.3 bar (150 psi)
- Nylon:** 10.3 bar (150 psi)

† Visit to determine specific RoHS compliance.



By Individual
Model No.†

Ordering Examples: FT-139-BN, black nylon barb elbow, tee and Y kit, FTNY-Y210BN, black nylon equal leg "Y" for 1/16" tubing, (10 pk).

To Order

1/4 to 1" Fittings

Barbed Adaptor Kit

2 each of 22 threaded adaptors
 Threads: 1/8, 1/4, 3/8, 1/2, 3/4, 1 NPT
 Barbs: 1/4", 3/8", 1/2", 3/4" 1"

Material	Model No.
Black nylon	FT-138-BN
Natural polypropylene	FT-138-NP
Natural Kynar®	FT-138-NK

Barbed Elbow, Tee and Y Kit

2 each of 11 elbows and tees
 Barbs: 1/4", 3/8", 1/2", 5/8", 3/4" and 1"

Material	Model No.
Black nylon	FT-139-BN
Natural polypropylene	FT-139-NP
Natural Kynar	FT-139-NK

Threaded Elbow and Tee Kit

2 each of 21 threaded elbows and tees
 Threads: 1/8, 1/4, 3/8, 1/2, 3/4, 1 NPT
 Barbs: 1/4", 3/8", 1/2", 3/4", and 1"

Material	Model No.
Black nylon	FT-140-BN
Natural polypropylene	FT-140-NP
Natural Kynar	FT-140-NK

Barbed Reducer and Connector Kit

2 each of 18 reducers and connectors
 Barbs: 1/16", 3/32", 1/8", 5/32", 3/16" and 1/4"

Material	Model No.
Black nylon	FT-137-BN
Natural polypropylene	FT-137-NP
Natural Kynar	FT-137-NK

Storage Rack for 1/16 to 1/4" Kits (Holds Up to 4 Kits)

Black	FT-BOX-S
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Barbed Reducer and Connector Kit

2 each of 17 reducers and connectors
 Barbs: 1/4", 3/8", 1/2", 5/8", 3/4" and 1"

Material	Model No.
Black nylon	FT-141-BN
Natural polypropylene	FT-141-NP
Natural Kynar	FT-141-NK

Storage Rack for 1/4 to 1" Fittings Kits (Holds Up to 4 Kits)

Black	FT-BOX-L
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PA Series



PA-27, shown larger than actual size.

- ✓ All Stainless Steel
- ✓ Adapt Up to 1/2 NPT
- ✓ Reduce Down to 1/8 NPT

2 Side Pressure Couplet		0	1	2	3	4	5	6	7	8
		3/16-18 M	7/16-20 M	1/4-18 NPT M	1/4-18 NPT F	1/8-27 NPT M	1/8-27 NPT F	1/2-14 NPT M	1/2-14 NPT F	VCO
1 Side Pressure Couplet	1		+	+	+	+	+	+	-	+
	2	+		+	+	+	+	+	+	+
	3				+	+	+	+	+	+
	4					+	+	-	+	-
	5						+	+	-	-
	6							+	+	-
	7								+	-
	8									-

Adaptors for 3/16-20 F Pressure Port	
MODEL NO.	DESCRIPTION
PA-11	3/16-20 M → 3/16-20 M
PA-12	3/16-20 M → 1/4-18 NPT M
PA-13	3/16-20 M → 1/4-18 NPT F
PA-14	3/16-20 M → 1/8-27 NPT M
PA-15	3/16-20 M → 1/8-27 NPT F
PA-16	3/16-20 M → 1/2-14 NPT M
PA-17	3/16-20 M → VCO

Adaptors for 1/4-18 NPT F Pressure Port	
MODEL NO.	DESCRIPTION
PA-20	9/16-18 M → 1/4-18 NPT M
PA-22	1/4-18 NPT M → 1/4-18 NPT M
PA-23	1/4-18 NPT M → 1/4-18 NPT F
PA-24	1/4-18 NPT M → 1/8-27 NPT M
PA-25	1/4-18 NPT M → 1/8-27 NPT F
PA-26	1/4-18 NPT M → 1/2-14 NPT M
PA-27	1/4-18 NPT M → 1/2-14 NPT F
PA-28	1/4-18 NPT M → VCO

Adaptors for 1/4-18 NPT M Pressure Port	
MODEL NO.	DESCRIPTION
PA-33	1/4-18 NPT F → 1/4-18 NPT F
PA-34	1/4-18 NPT F → 1/8-27 NPT M
PA-35	1/4-18 NPT F → 1/8-27 NPT F
PA-36	1/4-18 NPT F → 1/2-14 NPT M
PA-37	1/4-18 NPT F → 1/2-14 NPT F
PA-38	1/4-18 NPT F → VCO

Additional Adaptors	
MODEL NO.	DESCRIPTION
PA-44	1/8-27 NPT M → 1/8-27 NPT M
PA-45	1/8-27 NPT M → 1/8-27 NPT F
PA-47	1/8-27 NPT M → 1/2-14 NPT F
PA-55	1/8-27 NPT F → 1/8-27 NPT M
PA-56	1/8-27 NPT F → 1/8-27 NPT F
PA-66	1/2-14 NPT M → 1/2-14 NPT M
PA-67	1/2-14 NPT M → 1/2-14 NPT F
PA-77	1/2-14 NPT F → 1/2-14 NPT F



OMEGA® CONNECTORS FOR USE IN...

- ✓ Food Service
- ✓ Research and Industrial Laboratories
- ✓ Fluid Applications
- ✓ Compressed Air
- ✓ Plastic and Copper Tubing Applications

OMEGA fittings and color coded caps are manufactured using food grade Acetal Copolymers and stainless steel—Our O-rings are produced from food grade Nitrile rubber. OMEGA fittings meet stringent ISO 9001 requirements and exceed all specifications implemented by the FDA, NSF and Water Quality Association. Together, and in combination with patented,

proprietary design, your customer's health and safety are never compromised.

Application Adaptability

Our fittings are modular in design, they can be coupled together to form new integral fittings, making any complex connection requirement fast and simple.

Easy, Quick Installation

Contrasting the time consuming procedure of sweating traditional copper connections, the installation of OMEGA fittings is a click and a snap. There is no need to drain systems, remake leaky solder joints, or adjust awkward compression fittings—an especially important feature when working in confined spaces. Typical installation times can be cut by as much as 40%.

Despite this drastic cut in installation time, tests show that OMEGA fittings have a substantial service life of 20 years, while withstanding temperatures and pressures well in excess of normal working situations.

WITH EVERY OMEGA FITTING, YOU CAN EXPECT —

- ✓ 100% Leakproof Installations, Every Time
- ✓ Efficient, Rapid Connections, Even in Tight Working Quarters
- ✓ Reductions in Maintenance Cost
- ✓ Suitable for Plastic and Copper Tubing Applications (For Stainless Steel Applications Consult Factory)
- ✓ Rapid Disconnect and Reusability



Fitting Working Specifications:

Temperature

Air: -25 to 75°C (-14 to 167°F)

Water: 1 to 60°C (33 to 140°F)

Pressure

Air: 0 to 150 lbs. psi

Liquid: 0 to 150 lbs. psi

Suitable for Vacuum

Depending on the tube used, fittings may be used at higher pressures and temperatures under certain conditions. Please refer to our Technical Sales Staff for guidance.

Material Specifications

Bodies: Food Grade, Acetal Copolymer

O-Rings: Food Grade, Nitrile Rubber

Collet: Food Grade, Acetal Copolymer, Stainless Steel Teeth

THREAD TYPES: NPTF, MFL, FFL, UNS, BSW, BSP TAPER, BSP PARALLEL

Fitting Tube Tolerances

(Tube Outside Diameter)

Size (inch)	Tolerance
5/32	+01/-03
3/16	+01/-03
1/4	+01/-04
5/16	+01/-04
3/8	+01/-04
1/2	+01/-04

Fitting Tube Types

Plastic Tube: Polyethylene, nylon, polyurethane (for soft tubing or thin wall tube, tube supports are recommended).

Braided Tube: For Braided Tube, use Tube to Hose Stems and Elbows Series FT-25 & Series FT-29.

To retain braided tube on barbs, the use of clamps is also recommended.

Metal Tube (soft): Brass, Copper and Mild Steel.

Metal Tube (hard): Fittings recommended for stainless steel and other hard metal tubes, consult factory.

Chemicals: For use with chemicals or other potentially aggressive liquids, please consult our Technical Sales Staff for guidance.



Union Tee

Model No.	Tube OD (inch)
FT-020400-S1	5/32
FT-020600-S	3/16
FT-020800-S	1/4
FT-020800-S1	5/16
FT-021200-S	3/8
FT-021600-S	1/2



Reducing Elbow

Model No.	Tube OD (inch)	
	OD 1	OD 2
FT-210804-S1	5/16	5/32
FT-211006-S	5/16	3/16
FT-211008-S	5/16	1/4
FT-211206-S	3/8	3/16
FT-211208-S	3/8	1/4
FT-211210-S	3/8	5/16
FT-211612-S	1/2	3/8



Threaded Adaptor

Model No.	OD (inch)	NPT
FT-010421-S1	5/32	1/8
FT-010422-S1	5/32	1/4
FT-010621-S	3/16	1/8
FT-010821-S	1/4	1/8
FT-010821-S1	5/16	1/8
FT-010822-S	1/4	1/4
FT-010822-S1	5/16	1/4
FT-010823-S	1/4	3/8
FT-010823-S1	5/16	3/8
FT-011221-S	3/8	1/8
FT-011222-S	3/8	1/4
FT-011223-S	3/8	3/8
FT-011224-S	3/8	1/2
FT-011623-S	1/2	3/8
FT-011624-S	1/2	1/2

Ordering Example: FT-010821-S, 1/4" tubing to 1/8" NPT adaptor.



Union Elbow

Model No.	Tube OD (inch)
FT-030400-S1	5/32
FT-030600-S	3/16
FT-030800-S	1/4
FT-030800-S1	5/16
FT-031200-S	3/8
FT-031600	1/2



Reducing Branch Tee

Model No.	Tube OD Ends	Tube OD Branch
FT-301612-S	1/2"	3/8"

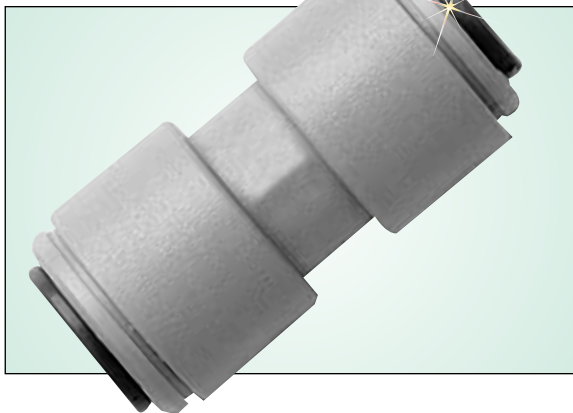


By P/N



Model No.	Tube OD (inch)	Thread NPTF
FT-480821-S	1/4	1/8
FT-480822-S	1/4	1/4
FT-480823-S	1/4	3/8
FT-481222-S	3/8	1/4

Reducing Union



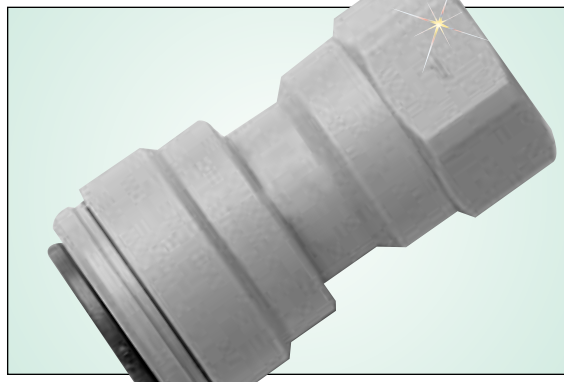
Model No.	Tube OD (inch)	
	OD 1	OD 2
FT-200806-S	1/4	3/16
FT-200804-S1	5/16	5/32
FT-201006-S	5/16	3/16
FT-201008-S	5/16	1/4
FT-201206-S	3/8	3/16
FT-201208-S	3/8	1/4
FT-201210-S	3/8	5/16
FT-201610-S	1/2	5/16
FT-201612-S	1/2	3/8

Union Connector



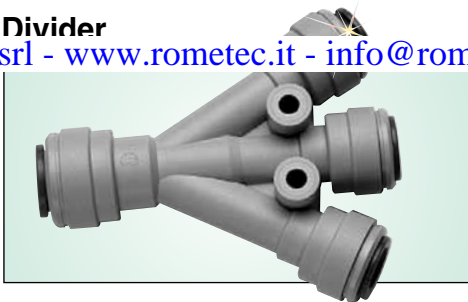
Model No.	Tube OD (inch)
FT-0404-S1	5/32
FT-0406-S	3/16
FT-0408-S	1/4
FT-0408-S1	5/16
FT-0412-S	3/8
FT-0416-S	1/2

Female Connector



Model No.	Tube OD (inch)	Thread NPTF
FT-450822-S	1/4	1/4
FT-451222-S	3/8	1/4

3-Way Divider



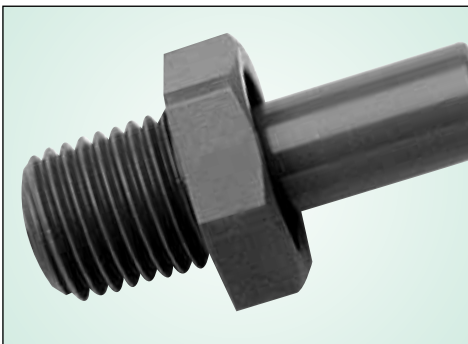
Model No.	Tube OD (inch)	
	Inlet OD	Outlet OD
FT-491612-S	1/2	3/8

Cross

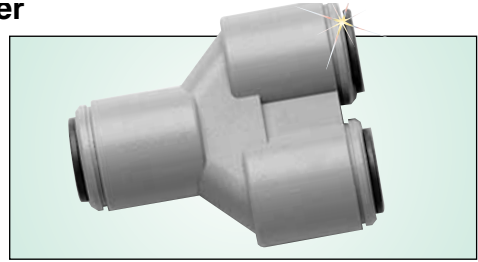


Model No.	Tube Od
FT-471200-S	3/8"

Stem Adaptor



2-way Divider



Model No.	Tube OD (inch)
FT-230800-S1	5/16
FT-231200-S	3/8

Unequal 2-Way Divider

Model No.	Tube OD (inch)	
	Inlet OD	Outlet OD
FT-241210-S	3/8	5/16

Locking Clip

Model No.	Tube OD (inch)
FT-C1808-R	1/4
FT-C1812-R	3/8

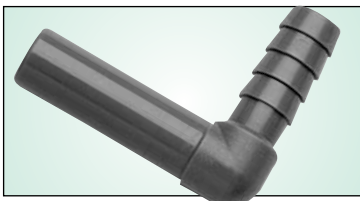


Model No.	Stem OD (inch)	Thread NPTF
FT-050421-S1	5/32	1/8
FT-050422-S1	5/32	1/4
FT-050621-S	3/16	1/8
FT-050821-S	1/4	1/8
FT-050821-S1	5/16	1/8
FT-050822-S	1/4	1/4
FT-050822-S1	5/16	1/4
FT-050823-S1	5/16	3/8
FT-051222-S	3/8	1/4
FT-051223-S	3/8	3/8
FT-051623-S	1/2	3/8
FT-051624-S	1/2	1/2



Check Valve

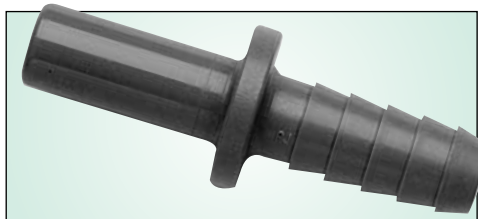
Model No.	Tube Od
FT-138120-S	3/8"



Tube to Hose Elbow

Model No.	Stem OD (inch)	Hose ID (inch)
FT-290808-S	1/4	1/4
FT-290808-S1	5/16	5/16
FT-290810-S	1/4	5/16
FT-291008-S	5/16	1/4
FT-291208-S	3/8	1/4
FT-291210-S	3/8	5/16

Tube to Hose Stem



Model No.	Stem OD (inch)	Hose ID (inch)
FT-250806-S	1/4	3/16
FT-250808-S	1/4	1/4
FT-250808-S1	5/16	5/16
FT-250810-S	1/4	5/16
FT-251006-S	5/16	3/16
FT-251008-S	5/16	1/4
FT-251012-S	5/16	3/8
FT-251208-S	3/8	1/4
FT-251210-S	3/8	5/16
FT-251212-S	3/8	3/8
FT-251216-S	3/8	1/2
FT-251612-S	1/2	3/8
FT-251616-S	1/2	1/2

Ordering Example: FT-250806-S, 3/16" tube ID to 1/4" stem OD.



FITTINGS AND ACCESSORIES

Rometec srl - www.rometec.it - info@rometec.it - Rometec srl - www.rometec.it - info@rometec.it

TUBE FITTINGS



By Individual Model No.†

Hose Barb Union

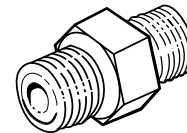
To Order	
	Straights (Supplied 10/PK)
	MODEL NO. DESCRIPTION
	FT-HS-2 1/16" x 1/16" hose barb
	FT-HS-3 3/32" x 3/32" hose barb
	Tees (Supplied 10/PK)
	MODEL NO. DESCRIPTION
	FT-HT-2 1/16" x 1/16" x 1/16" hose barb
	FT-HT-3 3/32" x 3/32" x 3/32" hose barb
	Elbows (Supplied 10/PK)
	MODEL NO. DESCRIPTION
	FT-HE-2 1/16" x 1/16" hose barb
	FT-HE-3 3/32" x 3/32" hose barb
	FT-HE-4 1/8" x 1/8" hose barb

Material: Polypropylene standard; Nylon available on request.

OMEGA's Tube Fittings solve many small tubing problems. Made of Polypropylene, they provide chemical compatibility. Sizes for 1/16", 3/32" and 1/8" plastic tubing.

Chemical Resistant Material
Polypropylene fittings provide excellent chemical resistance. This strong material is much lighter than brass, attractive in appearance and reasonably priced. Other materials or colors are available on request.

OMEGA's Panel Mount Hose Barb Union connects tubing through panels up to 1/4" thick. Acetal is strong and chemical resistant. Applications include vacuum, pressure lines, fluids and gases.



Panel Mount Hose Barb Union

	Straights (Supplied 10/PK)			
	TUBING ID	METRIC mm	MODEL NO.	PANEL
	1/8" x 1/8"	3.2 x 3.2	FT-BHU22-02	1/2"
	1/4" x 1/4"	6.4 x 6.4	FT-BHU22-04	1/2"
	3/8" x 3/8"	9.5 x 9.5	FT-BHU22-06	1/2"

Material: Acetal. Nut: Nickel-plated brass.

Tapered 10-32 Threads

OMEGA's threaded fittings feature a tapered 10 to 32 thread that requires no gasket for a reliable seal. Fittings will seal even in slightly off-sized holes. The tapered thread also allows the fitting to be directionally oriented without a gasket.



Hose Barb x 10 to 32 Thread

	Straights (Supplied 10/PK)
	MODEL NO. DESCRIPTION
	FT-MS-2 1/16" hose barb x 10 to 32 thread
	FT-MS-3 3/32" hose barb x 10 to 32 thread
	FT-MS-4 1/8" hose barb x 10 to 32 thread
	Tees (Supplied 10/PK)
	MODEL NO. DESCRIPTION
	FT-MT-2 1/16" x 1/16" hose barb x 10 to 32 thread
	FT-MT-3 3/32" x 3/32" hose barb x 10 to 32 thread
	FT-MT-4 1/8" x 1/8" hose barb x 10 to 32 thread
	Elbows (Supplied 10/PK)
	MODEL NO. DESCRIPTION
	FT-ME-2 1/16" hose barb x 10 to 32 thread
	FT-ME-3 3/32" hose barb x 10 to 32 thread
	FT-ME-4 1/8" hose barb x 10 to 32 thread
	Miscellaneous (Supplied 10/PK)
	MODEL NO. DESCRIPTION
	FT-MP 10 to 32 plug
	FT-N32 10 to 32 x 10 to 32 nipple

Material: Polypropylene.

Shrouded 1/16" Hose Barb Eliminates Breakage...

The patented shrouded design eliminates the most common problem of small fittings – barb breakage. The shroud completely supports the tubing, reducing stress on the fragile hose barb. It solves the problem of breakage without buying expensive metal tube fittings.

PATENTED
Patents issued and pending on many aspects of this device including but not limited to laser circle.

SPECIFICATIONS

Working Pressure: 7.0 bar (100 psi)

Operating Temperature:

0 to 110°C (32 to 230°F)

Materials: Polypropylene

These specifications do not apply to panel mount hose barb unions.

† Visit omega.com/rohs to determine specific RoHS compliance.