

THERMOPLASTIC QUICK COUPLINGS

ACETAL

1/8" Flow, FT-PMC Series for 1/16 to 1/4" Tubing

Acetal couplings offer the widest selection of configurations and are OMEGA's most popular coupling.

FT-PMC Series Features

- ✔ Multiple Valving Options
- ✔ Leak Free O-Ring Seal
- ✔ Small Package Size

Applications

- ✔ Water and Air Supply Lines
- ✔ Mild Chemical Handling
- ✔ Ink Lines
- ✔ Potable Water
- ✔ Vacuum Lines



FT-PMC Series



By Individual Model No.†

Coupling Bodies 1/8" Flow

To Order					
PIPE THREAD 	MALE THREAD	STRAIGHT THRU MODEL NO.	SHUTOFF MODEL NO.	LENGTH (inch)	
	1/8" NPT	FT-PMC10-02	FT-PMCD10-02	1.00	
	1/4" NPT	FT-PMC10-04	FT-PMCD10-04	1.10	
	1/8" BSPT	FT-PMC10-02BS	FT-PMCD10-02BS	1.00	
	1/4" BSPT	FT-PMC10-04BS	FT-PMCD10-04BS	1.10	
PANEL MOUNT* 	Ferruleless Polytube Fitting††, PTF				
	TUBING SIZE OD x ID	METRIC EQ mm	STRAIGHT THRU MODEL NUMBER	SHUTOFF MODEL NUMBER	LENGTH (inch)
	—	4 x 2	FT-PMC12-M42	FT-PMCD12-M42	1.65
	5/32 x 0.10"	4 x 2.5	FT-PMC12-025	FT-PMCD12-025	1.70
	1/4 x 0.170"	6 x 4.3	FT-PMC12-04	FT-PMCD12-04	1.72
	Hose Barb				
	1/16" ID	—	FT-PMC16-01	FT-PMCD16-01	1.40
	1/8" ID	3.2 ID	FT-PMC16-02	FT-PMCD16-02	1.65
	3/16" ID	4.8 ID	FT-PMC16-03	FT-PMCD16-03	1.85
	1/4" ID	6.4 ID	FT-PMC16-04	FT-PMCD16-04	1.85
Female Thread					
10-32 UNF	—	FT-PMC18-1032	FT-PMCD18-1032	1.25	

IN LINE, Streamline Design

	Ferruleless Polytube Fitting††, PTF				
	TUBING SIZE OD x ID	METRIC EQ mm	STRAIGHT THRU MODEL NO.	SHUTOFF MODEL NO.	LENGTH (inch)
	—	4 x 2	FT-PMC13-M42	FT-PMCD13-M42	1.65
	5/32 x 0.10"	4 x 2.5	FT-PMC13-025	FT-PMCD13-025	1.70
	1/4 x 0.170"	6 x 4.3	FT-PMC13-04	FT-PMCD13-04	1.73
	Hose Barb				
	1/16" ID	—	FT-PMC17-01	FT-PMCD17-01	1.41
	1/8" ID	3.2 ID	FT-PMC17-02	FT-PMCD17-02	1.65
	3/16" ID	4.8 ID	FT-PMC17-03	FT-PMCD17-03	1.85
	1/4" ID	6.4 ID	FT-PMC17-04	FT-PMCD17-04	1.85
Female Thread					
10-32 UNF	—	FT-PMC19-1032	FT-PMCD19-1032	1.25	

Acetal and Chrome-Plated Brass coupling halves interchangeable.

* Panel Opening = 1/2" Diameter
 Maximum Panel Thickness = 1/2"
 Minimum Panel Thickness = .050"
 Panel Nuts = 5/8" Hex

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

† Visit us online to determine specific RoHS compliance.

Ordering Examples: FT-PMCD16-02, 1/8" ID shutoff panel mount hose barb fitting body and FT-PMC24-04 insert.
 FT-PMCD17-04, 1/4" ID shutoff inline coupling and FT-PMCD42-04, panel mount hose barb insert.

SPECIFICATIONS

Working Pressure: Vacuum to 8.3 bar (120 psi)

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

Materials:

Bodies and Valves: Acetal

Internal Spring: 316 Stainless Steel

External Springs, Pin, Latch: Stainless Steel

Seals: Buna, others available

Color: Natural white

Tubing Sizes:

1/16 thru 1/4" ID

5/32, 1/4 and 3/8" OD

4 x 2 mm thru

10 x 6.4 mm (OD x ID)



Coupling Inserts 1/8" Flow

To Order						
PIPE THREAD 	MALE THREAD	STRAIGHT THRU MODEL NUMBER	LENGTH (inch)	SHUTOFF MODEL NUMBER	LENGTH (inch)	
	1/8 NPT	FT-PMC24-02	1.03	FT-PMCD24-02	1.33	
	1/4 NPT	FT-PMC24-04	1.13	FT-PMCD24-04	1.30	
	1/8" BSPT	FT-PMC24-02BS	1.03	FT-PMCD24-02BS	1.33	
	1/4" BSPT	FT-PMC24-04BS	1.13	FT-PMCD24-04BS	1.30	
PANEL MOUNT* 	Ferrules Polytube Fitting††, PTF					
	TUBING SIZE OD x ID	METRIC EQ mm	STRAIGHT THRU MODEL NO.	LENGTH (inch)	SHUTOFF MODEL NO.	LENGTH (inch)
	1/4 x 0.17"	6 x 4.3	FT-PMC40-04	1.70	FT-PMCD40-04	1.70
	Hose Barb					
	1/16" ID	—	FT-PMC42-01	1.38	FT-PMCD42-01	1.38
1/8" ID	3.2 ID	FT-PMC42-02	1.63	FT-PMCD42-02	1.63	
3/16" ID	4.8 ID	FT-PMC42-03	1.83	FT-PMCD42-03	1.83	
1/4" ID	6.4 ID	FT-PMC42-04	1.83	FT-PMCD42-04	1.83	
STRAIGHTS 	Ferrules Polytube Fitting††, PTF					
	TUBING SIZE OD x ID	METRIC EQ mm	STRAIGHT THRU MODEL NO.	LENGTH (inch)	SHUTOFF MODEL NO.	LENGTH (inch)
	— —	4 x 2	FT-PMC20-M42	1.08	FT-PMCD20-M42	1.53
	5/32 x 0.10"	4 x 2.5	FT-PMC20-025	1.13	FT-PMCD20-025	1.53
	1/4 x 0.170"	6 x 4.3	FT-PMC20-04	1.15	FT-PMCD20-04	1.45
3/8 x 0.250"	9.5 x 6	FT-PMC20-06	1.30	FT-PMCD20-06	1.40	
	Hose Barb					
	1/16" ID	1.6 ID	FT-PMC22-01	0.80	FT-PMCD22-01	1.35
	1/8" ID	3.2 ID	FT-PMC22-02	1.05	FT-PMCD22-02	1.55
	3/16" ID	4.8 ID	FT-PMC22-03	1.25	FT-PMCD22-03	1.75
	1/4" ID	6.4 ID	FT-PMC22-04	1.25	FT-PMCD22-04	1.58
	Female Thread					
	10-32 UNF	—	FT-PMC28-1032	0.63	FT-PMCD28-1032	1.19
ELBOWS 	Ferrules Polytube Fitting††, PTF					
	TUBING SIZE OD x ID	METRIC EQ mm	STRAIGHT THRU MODEL NUMBER	LENGTH	SHUTOFF MODEL NUMBER	LENGTH
	1/4 x 0.170"	6 x 4.3	FT-PMC21-04	1.17	FT-PMCD21-04	1.20
	5/32 x 0.100"	—	FT-PMC21-025	1.17	— —	—
	Hose Barb					
1/8" ID	3.2 ID	FT-PMC23-02	0.85	FT-PMCD23-02	1.09	
1/4" ID	6.4 ID	FT-PMC23-04	1.00	FT-PMCD23-04	1.09	

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