

THERMOPLASTIC QUICK COUPLINGS

POLYPROPYLENE

1/8" Flow, FT-PMC-12 & 1/4" Flow, FT-PLC-12 Series

Polypropylene couplings in 1/8" and 1/4" flow. This series of couplings offers most of the same sizes and configurations as the FT-PMC and FT-PLC Series with the addition of greater chemical resistance material.



- ✓ Excellent Chemical Resistance
- ✓ Sizes From 1/16" to 3/8" ID
- ✓ Many Configurations
- ✓ Gamma Sterilizable

- ### Applications
- ✓ Photographic Chemicals
 - ✓ Plating Solutions
 - ✓ Caustic Chemicals
 - ✓ Medical Devices

FT-PMC/PLC



By Individual Model No.†

Coupling Bodies 1/8" and 1/4" Flow

To Order					
PIPE THREAD					
	MALE THREAD	SHUTOFF MODEL NUMBER		FLOW (inch)	LENGTH (inch)
	1/8" NPT	FT-PMCD10-02-12		1/8	1.02
	1/4" NPT	FT-PMCD10-04-12		1/8	1.10
	1/4" NPT	FT-PLCD100-04-12		1/4	1.15
	3/8" NPT	FT-PLCD100-06-12		1/4	1.15
PANEL MOUNT*					
	Ferrules Polytube Fitting†, PTF				
	TUBING SIZE OD x ID (inch)	METRIC EQ mm	SHUTOFF MODEL NUMBER	FLOW (inch)	LENGTH (inch)
	1/4 x 0.170	6 x 4.3	FT-PMCD12-04-12	1/8	1.72
3/8 x 0.250	9.5 x 6	FT-PLCD120-06-12	1/4	1.97	
Hose Barb					
1/16 ID	—	FT-PMCD16-01-12	1/8	1.40	
1/8 ID	3.2 ID	FT-PMCD16-02-12	1/8	1.65	
1/4 ID	6.4 ID	FT-PMCD16-04-12	1/8	1.85	
1/4 ID	6.4 ID	FT-PLCD160-04-12	1/4	1.95	
3/8 ID	9.5 ID	FT-PLCD160-06-12	1/4	1.95	
IN LINE					
	Ferrules Polytube Fitting†, PTF				
	TUBING SIZE OD x ID (inch)	METRIC EQ mm	SHUTOFF MODEL NUMBER	FLOW (inch)	LENGTH (inch)
	1/4 x 0.170	6 x 4.3	FT-PMCD13-04-12	1/8	1.74
3/8 x 0.250	9.5 x 6	FT-PLCD130-06-12	1/4	1.97	
Hose Barb					
1/16 ID	1.6 ID	FT-PMCD17-01-12	1/8	1.41	
1/8 ID	3.2 ID	FT-PMCD17-02-12	1/8	1.67	
1/4 ID	6.4 ID	FT-PMCD17-04-12	1/8	1.87	
1/4 ID	6.4 ID	FT-PLCD170-04-12	1/4	1.97	
3/8 ID	9.5 ID	FT-PLCD170-06-12	1/4	1.97	
Softube Fitting					
1/4 x 3/8	6 x 9.5	FT-PLCD170-406-12	1/4	2.30	
3/8 x 1/2	9.5 x 12.7	FT-PLCD170-608-12	1/4	2.36	

Polypropylene coupling halves do not interchange with other materials.

* Panel Opening = 1/2" PMC, 11/16" Diameter
 Maximum Panel Thickness = 1/2"
 Minimum Panel Thickness = 0.020"
 Panel Nuts = 5/8" Hex PMC, 13/16" Hex

† Visit us on line to determine specific RoHS compliance.

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

SPECIFICATIONS

Materials:

Bodies and Valves: Polypropylene

Internal Springs: 316 Stainless Steel

External Springs, Pin, Latch: Stainless Steel

Seals: EPR, others available

Color: Almond

Tubing Sizes: 1/16 thru 3/8" ID 1/4"

and 3/8" OD 6 x 4 mm thru 10 x 6.4 mm

(OD x ID) 1.6 mm thru 9.5 mm ID

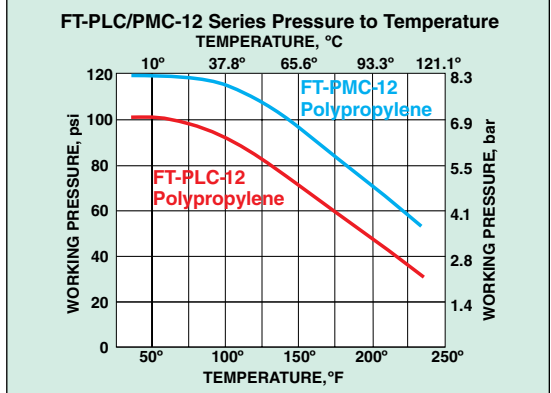
Working Pressure: Vacuum to maximum 120 psi (8.3 bar)

(see graph)



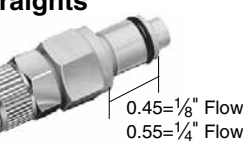
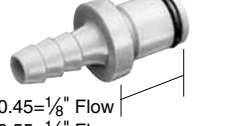



Operating Temperature: Minimum 0°C (32°F),

maximum 110°C (230°F) (see graph)

FT-PLC/PMC-12 Series Pressure to Temperature



Inserts 1/8" and 1/4" Flow

Pipe Thread 				LENGTH (inch)			
	MALE THREAD	STRAIGHT THRU MODEL NUMBER	SHUTOFF MODEL NUMBER	FLOW	THRU	S.OFF	
0.45=1/8" Flow 0.55=1/4" Flow	1/8 NPT 1/4 NPT	FT-PMC24-02-12 FT-PLC240-04-12	FT-PMCD24-02-12 FT-PLCD240-04-12	1/8 1/4	1.03 1.25	1.33 1.51	
Panel Mount* 	Hose Barb			LENGTH (inch)			
	TUBING SIZE OD x ID (inch)	METRIC EQ mm	STRAIGHT THRU MODEL NUMBER	SHUTOFF MODEL NUMBER	FLOW	THRU	S.OFF
	1/4 ID 3/8 ID	6.4 9.5	FT-PLC420-04-12 FT-PLC420-06-12	FT-PLCD420-04-12 FT-PLCD420-06-12	1/4 1/4	1.91 1.91	1.91 1.91
Straights 	Ferrules Polytube Fitting†, PTF			LENGTH			
	TUBING SIZE OD x ID (inch)	METRIC EQ mm	STRAIGHT THRU MODEL NUMBER	SHUTOFF MODEL NUMBER	FLOW	THRU	S.OFF
0.45=1/8" Flow 0.55=1/4" Flow	1/4 x 0.170	6 x 4.3 9.5	FT-PMC20-04-12 FT-PLC200-06-12	FT-PMCD20-04-12 FT-PLCD200-06-12	1/8 1/4	1.15 1.38	1.45 1.68
Straights 	Hose Barb			LENGTH			
	TUBING SIZE OD x ID (inch)	METRIC EQ mm	STRAIGHT THRU MODEL NUMBER	SHUTOFF MODEL NUMBER	FLOW	THRU	S.OFF
0.45=1/8" Flow 0.55=1/4" Flow	1/16 ID 1/8 ID 1/4 ID 1/4 ID 3/8 ID	— 3.2 ID 6.4 ID 6.4 ID 9.5 ID	FT-PMC22-01-12 FT-PMC22-02-12 FT-PMC22-04-12 FT-PLC220-04-12 FT-PLC220-06-12	FT-PMCD22-01-12 FT-PMCD22-02-12 FT-PMCD22-04-12 FT-PLCD220-04-12 FT-PLCD220-06-12	1/8 1/8 1/8 1/4 1/4	0.80 1.05 1.25 1.35 1.35	1.35 1.55 1.58 1.86 1.67
Straights 	Softube Fitting			LENGTH			
	TUBING SIZE OD x ID (inch)	METRIC EQ mm	STRAIGHT THRU MODEL NUMBER	SHUTOFF MODEL NUMBER	FLOW	THRU	S.OFF
0.45=1/8" Flow 0.55=1/4" Flow	1/4 x 3/8 3/8 x 1/2	6 x 9.5 9.5 x 12.7	— —	FT-PLCD220-406-12 FT-PLCD220-608-12	1/4 1/4	2.11 2.01	2.11 2.01
Elbows 	Ferrules Polytube Fitting†, PTF			LENGTH			
	TUBING SIZE OD x ID (inch)	METRIC EQ mm	STRAIGHT THRU MODEL NUMBER	SHUTOFF MODEL NUMBER	FLOW	THRU	S.OFF
0.45=1/8" Flow 0.55=1/4" Flow	1/4 x 0.170 3/8 x 0.250	6 x 4.3 9.5 x 6	— FT-PLC210-06-12	FT-PMCD21-04-12 FT-PLCD210-06-12	1/8 1/4	1.17 1.29	1.09 1.22
Elbows 	Hose Barb			LENGTH			
	TUBING SIZE OD x ID (inch)	METRIC EQ mm	STRAIGHT THRU MODEL NUMBER	SHUTOFF MODEL NUMBER	FLOW	THRU	S.OFF
0.45=1/8" Flow 0.55=1/4" Flow	1/8 ID 1/4 ID 1/4 ID 3/8 ID	3.2 ID 6.4 ID 6.4 ID 9.5 ID	FT-PMC23-02-12 FT-PMC23-04-12 FT-PLC230-04-12 FT-PLC230-06-12	FT-PMCD23-02-12 FT-PMCD23-04-12 FT-PLCD230-04-12 FT-PLCD230-06-12	1/8 1/8 1/4 1/4	1.09 1.09 1.21 1.21	1.09 1.09 1.21 1.21

* Panel Opening = 1/2" PMC, 11/16" Diameter, Maximum Panel Thickness = 1/2", Minimum Panel Thickness = 0.020", Panel Nuts = 3/8" Hex PMC, 13/16" Hex

† Acetal and Chrome-Plated Brass coupling halves interchange.

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

Polypropylene coupling halves do not interchange with other materials.

Ordering Examples: FT-PMCD17-02-12, 1/8" ID hose barb body, and FT-PMC22-02-12, 1/8" hose barb insert.

FT-PLCD170-06-12, 3/8" ID hose barb body and FT-PLCD220-06-12, 3/8" hose barb insert.