



PMC SERIES

Specifications

**Pressure:** Vacuum to 120 psi, 8.3 bar

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

**Materials:**  
**Main components and valves:** Acetal  
**Thumb latch:** Stainless steel  
**Valve spring:** 316 stainless steel  
**External springs and pin:** Stainless steel  
**O-rings:** Buna-N

**Color:**  
Natural white, others available

**Tubing Sizes:**  
1/16" to 1/4" ID, 1.6mm to 6.4mm ID

**WARNING:** Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of Colder products in their own application conditions.

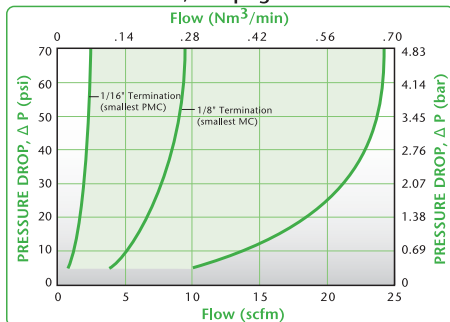
Don't forget: you can always visit [www.colder.com](http://www.colder.com) for more product information.

**The 1/8" flow PMC coupling** covers a wide variety of general-purpose applications. Featuring the Colder thumb latch, the PMC is easier to use than ball-and-sleeve designs. One-hand connection/disconnection and integral terminations make the PMC the choice for ease of use and manufacture.

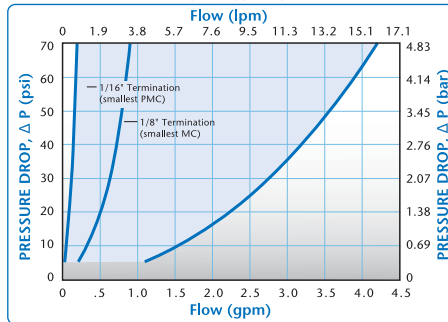
This coupling is NuSeal<sup>®</sup> compatible. See page 33 for details.

Features	Benefits
Hose barb shroud	Extra protection for the 1/16" hose barb
Integral terminations	Fewer leak points, shorter assemblies, faster installations
Compatible	Mates with PMC12 and MC Series couplings (see pages 28 and 32)
Clicks when connected	Assurance of a reliable connection

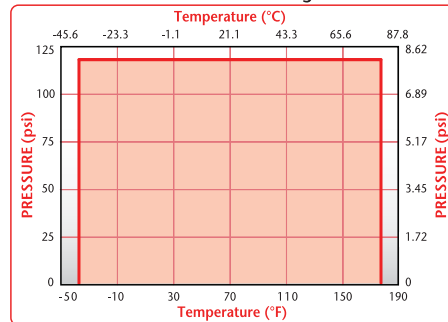
PMC Air Flow, 100 psig Inlet Pressure



PMC Water Flow



PMC Pressure Range



These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of each graph represents the operating range of the product family, i.e., upper and lower values are shown. Therefore, depending on the exact coupling configurations selected, you can reasonably expect values to fall within the shaded area.

## Liquid Flow Rates

### Liquid Flow Rate Information for Couplings

The chart below shows the flow rate for Colder couplings. Each coupling was tested with water at 70°F (21°C). To determine flow rates for specific coupling configurations use the formula to the right.

$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

Q=Flow rate in gallons per minute  
 $C_v$ =Average coefficient across various flow rates (see chart)  
 $\Delta P$ =Pressure drop across coupling (psi)  
 $S$ =Specific gravity of liquid

### $C_v$ Values for 1/8" Flow PMC Couplings

BODIES	PMC 2004	PMCD 2004	PMC 2006	PMCD 2006	PMC 2202	PMCD 2202	PMC 2204	PMCD 2204	PMC 2402	PMCD 2402	PMC 2404	PMCD 2404	PMC 2602	PMC 2304	PMC 2104	PMCD 2304	PMC 2203	PMCD 2203	PMC 2201	PMCD 2201
PMC1002	.40	.18	.50	.19	.25	.16	.50	.19	.50	.20	.51	.19	.50	.50	.38	.24	.30	.17	.03	.03
PMCD1002	.27	.18	.31	.18	.24	.16	.28	.20	.26	.20	.29	.18	.26	.26	.27	.24	.25	.17	.03	.03
PMC1004	.40	.21	.50	.24	.26	.18	.50	.24	.50	.20	.51	.24	.50	.50	.38	.26	.30	.19	.03	.03
PMCD1004	.29	.19	.32	.23	.25	.17	.30	.23	.27	.21	.28	.23	.27	.28	.29	.24	.25	.18	.03	.03
PMC1204	.40	.18	.50	.18	.25	.16	.40	.18	.40	.16	.36	.18	.40	.40	.38	.21	.30	.17	.03	.03
PMCD1204	.21	.17	.22	.17	.20	.16	.22	.17	.21	.17	.20	.17	.21	.22	.21	.18	.21	.16	.03	.03
PMC1602	.23	.15	.28	.18	.19	.14	.27	.15	.27	.15	.28	.18	.27	.27	.23	.16	.20	.14	.03	.03
PMCD1602	.19	.15	.19	.15	.17	.14	.19	.15	.18	.15	.18	.15	.18	.19	.19	.15	.18	.14	.03	.03
PMC1604	.33	.23	.44	.24	.24	.18	.44	.23	.44	.20	.38	.24	.38	.44	.33	.26	.26	.19	.03	.03
PMCD1604	.23	.17	.26	.21	.22	.16	.26	.21	.26	.19	.25	.21	.21	.26	.23	.24	.22	.16	.03	.03
PMC1703	.25	.20	.30	.20	.20	.17	.30	.20	.30	.19	.28	.20	.28	.30	.25	.18	.21	.17	.03	.03
PMCD1703	.20	.17	.20	.17	.19	.15	.21	.17	.19	.17	.20	.17	.19	.20	.20	.16	.19	.16	.03	.03
PMC1701	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02
PMCD1701	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02



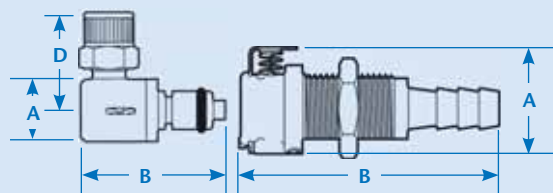
## DID YOU KNOW ...

CAD models are available for all Colder couplings. These files are available in many formats including STEP, IGES and native file formats. You can see them online at [www.colder.com](http://www.colder.com).

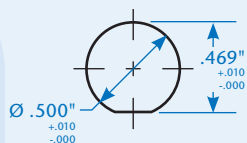


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A = Height/Diameter  
B = Total Length (including valve)  
D = Elbow Radial Length



Greenlee® punch  
number 60077

**COUPLING BODIES**  
**COUPLING INSERTS**








PANEL OPENING	MAX. PANEL THICKNESS	MIN. PANEL THICKNESS
see drawing	.50	.05
1/2	.30	.05



PANEL NUT HEX	PANEL NUT THREAD
5/8	1/2-24UNF

## Coupling Bodies

### ACETAL

	<b>TERMINATION</b> IN-LINE PIPE THREAD	<b>THREAD SIZE</b> 1/8" NPT 1/8" BSPT 1/4" NPT 1/4" BSPT		<b>STRAIGHT THRU</b> PMC1002 PMC1002BSPT PMC1004 PMC1004BSPT	<b>SHUTOFF</b> PMCD1002 PMCD1002BSPT PMCD1004 PMCD1004BSPT	<b>A</b> .79 .79 .79 .79	<b>B</b> 1.00 1.00 1.10 1.10
	<b>TERMINATION</b> PANEL MOUNT FERRULELESS POLYTUBE FITTING, PTF†	<b>TUBING SIZE</b> 5/32" OD, .10" ID 1/4" OD, .17" ID	<b>METRIC EQ.</b> 4.0mm OD, 2.0mm ID 4.0mm OD, 2.5mm ID 6.4mm OD, 4.3mm ID	<b>STRAIGHT THRU</b> PMC12M42 PMC12025 PMC1204	<b>SHUTOFF</b> PMCD12M42 PMCD12025 PMCD1204	<b>A</b> .77 .77 .77	<b>B</b> 1.65 1.70 1.72
	<b>TERMINATION</b> PANEL MOUNT HOSE BARB	<b>TUBING SIZE</b> 1/16" ID 1/8" ID 3/16" ID 1/4" ID	<b>METRIC EQ.</b> 1.6mm ID 3.2mm ID 4.8mm ID 6.4mm ID	<b>STRAIGHT THRU</b> PMC1601 PMC1602 PMC1603 PMC1604	<b>SHUTOFF</b> PMCD1601 PMCD1602 PMCD1603 PMCD1604	<b>A</b> .77 .77 .77 .77	<b>B</b> 1.40 1.65 1.85 1.85
	<b>TERMINATION</b> PANEL MOUNT FEMALE THREAD	<b>THREAD SIZE</b> 10-32 UNF		<b>STRAIGHT THRU</b> PMC181032	<b>SHUTOFF</b> PMCD181032	<b>A</b> .77	<b>B</b> 1.25
	<b>TERMINATION</b> IN-LINE FERRULELESS POLYTUBE FITTING, PTF†	<b>TUBING SIZE</b> 5/32" OD, .10" ID 1/4" OD, .17" ID	<b>METRIC EQ.</b> 4.0mm OD, 2.0mm ID 4.0mm OD, 2.5mm ID 5.0mm OD, 3.0mm ID 6.4mm OD, 4.3mm ID	<b>STRAIGHT THRU</b> PMC13M42 PMC13025 PMC13M5 PMC1304	<b>SHUTOFF</b> PMCD13M42 PMCD13025 PMCD13M5 PMCD1304	<b>A</b> .81 .81 .81 .81	<b>B</b> 1.65 1.65 1.72 1.75
	<b>TERMINATION</b> IN-LINE HOSE BARB	<b>TUBING SIZE</b> 1/16" ID 1/8" ID 3/16" ID 1/4" ID	<b>METRIC EQ.</b> 1.6mm ID 3.2mm ID 4.8mm ID 6.4mm ID	<b>STRAIGHT THRU</b> PMC1701 PMC1702 PMC1703 PMC1704	<b>SHUTOFF</b> PMCD1701 PMCD1702 PMCD1703 PMCD1704	<b>A</b> .81 .81 .81 .81	<b>B</b> 1.41 1.45/1.65 1.65/1.85 1.65/1.85
	<b>TERMINATION</b> IN-LINE FEMALE THREAD	<b>THREAD SIZE</b> 10-32 UNF		<b>STRAIGHT THRU</b> PMC191032	<b>SHUTOFF</b> PMCD191032	<b>A</b> .81	<b>B</b> 1.25

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. †NOTE: Colder's Ferruleless PTF (polytube fitting) terminations do not require ferrules to achieve a secure connection and are therefore easier to use and reuse. PTF fittings are designed for semi-rigid tubing, i.e., polyethylene, nylon, polyurethane, etc.

# Coupling Inserts ACETAL

TERMINATION IN-LINE PIPE THREAD	THREAD SIZE 1/8" NPT 1/8" BSPT 1/4" NPT 1/4" BSPT		STRAIGHT THRU PMC2402 PMC2402BSPT PMC2404 PMC2404BSPT	SHUTOFF PMCD2402 PMCD2402BSPT PMCD2404 PMCD2404BSPT	A .58 .58 .65 .65	B 1.03/1.45 1.03/1.44 1.13/1.42 1.13/1.42	
TERMINATION PANEL MOUNT FERRULELESS POLYTUBE FITTING, PTF†	TUBING SIZE 1/4" OD, .17" ID	METRIC EQ. 6.4mm OD, 4.3mm ID	STRAIGHT THRU PMC4004	SHUTOFF PMCD4004	A .72	B 1.70/1.82	
TERMINATION PANEL MOUNT HOSE BARB	TUBING SIZE 1/16" ID 1/8" ID 3/16" ID 1/4" ID	METRIC EQ. 1.6mm ID 3.2mm ID 4.8mm ID 6.4mm ID	STRAIGHT THRU PMC4201 PMC4202 PMC4203 PMC4204	SHUTOFF PMCD4201 PMCD4202 PMCD4203 PMCD4204	A .72 .72 .72 .72	B 1.38/1.50 1.63/1.75 1.83/1.95 1.83/1.95	
TERMINATION IN-LINE FERRULELESS POLYTUBE FITTING, PTF†	TUBING SIZE 5/32" OD, .10" ID 1/4" OD, .17" ID 3/8" OD, .25" ID	METRIC EQ. 4.0mm OD, 2.0mm ID 4.0mm OD, 2.5mm ID 6.4mm OD, 4.3mm ID 9.5mm OD, 6.4mm ID	STRAIGHT THRU PMC20M42 PMC20025 PMC2004 PMC2006	SHUTOFF PMCD20M42 PMCD20025 PMCD2004 PMCD2006	A .58 .58 .58 .65	B 1.08/1.60 1.13/1.65 1.15/1.57 1.40/1.52	
TERMINATION IN-LINE HOSE BARB	TUBING SIZE 1/16" ID 1/8" ID 3/16" ID 1/4" ID	METRIC EQ. 1.6mm ID 3.2mm ID 4.8mm ID 6.4mm ID	STRAIGHT THRU PMC2201 PMC2202 PMC2203 PMC2204	SHUTOFF PMCD2201 PMCD2202 PMCD2203 PMCD2204	A .50 .50 .50 .50	B .80/1.47 1.00/1.67 1.20/1.88 1.22/1.70	
TERMINATION IN-LINE FEMALE THREAD	THREAD SIZE 10-32 UNF		STRAIGHT THRU PMC281032	SHUTOFF PMCD281032	A .58	B .63/1.31	
TERMINATION ELBOW FERRULELESS POLYTUBE FITTING, PTF†	TUBING SIZE 5/32" OD, .10" ID 1/4" OD, .17" ID	METRIC EQ. 4.0mm OD, 2.5mm ID 6.4mm OD, 4.3mm ID	STRAIGHT THRU PMC21025 PMC2104	SHUTOFF PMCD2104	A .50 .50	B 1.17 1.17/1.21	D .75 .77
TERMINATION ELBOW HOSE BARB	TUBING SIZE 1/8" ID 1/4" ID	METRIC EQ. 3.2mm ID 6.4mm ID	STRAIGHT THRU PMC2302 PMC2304	SHUTOFF PMCD2302 PMCD2304	A .50 .50	B .85/1.21 1.00/1.21	D .75/.69 .95/.90



All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. Couplings are pictured with valves unless otherwise noted.  
†NOTE: Colder's Ferruleless PTF (polytube fitting) terminations do not require ferrules to achieve a secure connection and are therefore easier to use and reuse. PTF fittings are designed for semi-rigid tubing, i.e., polyethylene, nylon, polyurethane, etc.



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## PMC12 SERIES

### Specifications

**Pressure:** Vacuum to 120 psi, 8.3 bar

**Temperature:**  
32°F to 160°F (0°C to 71°C)

#### Materials:

**Main components and valves:** Polypropylene

**Thumb latch:** Stainless steel

**Valve spring:** 316 stainless steel

**External spring and pin:** Stainless steel

**O-rings:** EPDM

#### Sterilization:

**Gamma:** Up to 50 kGy irradiation

#### Color:

Almond

#### Tubing Sizes:

Microbore to 1/4" ID, Microbore to 6.4mm ID

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**The 1/8" flow polypropylene PMC12** offers many of the same configuration options as the PMC. The polypropylene material adds greater chemical resistance and is gamma sterilizable. The PMC12 also mates to small diameter rigid tubing. Available with a 1/4-28 flat bottom port and 1/4-28 UNF threads, these couplings eliminate the need to thread and re-thread common compression nuts each time a tubing connection is made.

#### Features

Polypropylene material

EPDM o-ring

Colder thumb latch

Integral terminations

#### Benefits

Chemically resistant and gamma-sterilizable

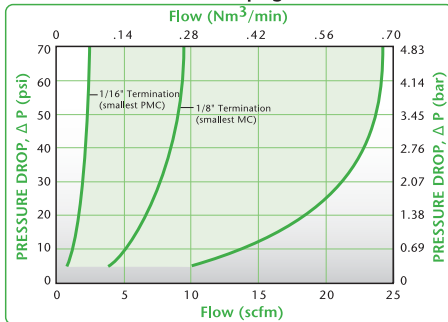
Greater chemical resistance

One-hand connection and disconnection

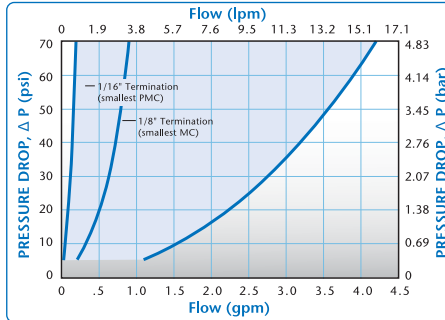
Fewer leak points, shorter assemblies, faster installations



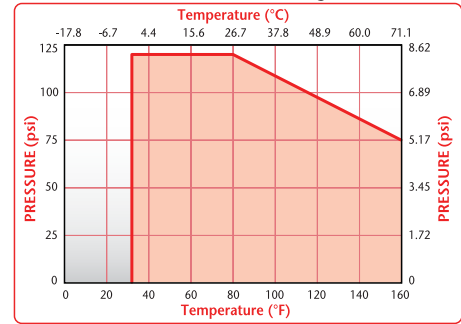
PMC12 Air Flow, 100 psig Inlet Pressure



PMC12 Water Flow



PMC12 Pressure Range



These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of each graph represents the operating range of the product family, i.e., upper and lower values are shown. Therefore, depending on the exact coupling configurations selected, you can reasonably expect values to fall within the shaded area.

## Liquid Flow Rates

### Liquid Flow Rate Information for Couplings

The chart below shows the flow rate for Colder couplings. Each coupling was tested with water at 70°F (21°C). To determine flow rates for specific coupling configurations use the formula to the right.

$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

Q=Flow rate in gallons per minute  
C<sub>v</sub>=Average coefficient across various flow rates (see chart)  
ΔP=Pressure drop across coupling (psi)  
S=Specific gravity of liquid

### C<sub>v</sub> Values for 1/8" Flow PMC12 Couplings

BODIES	PMC12 2004	PMCD12 2004	PMC12 2006	PMCD12 2006	PMC12 2202	PMCD12 2202	PMC12 2204	PMCD12 2204	PMC12 2402	PMCD12 2402	PMC12 2404	PMCD12 2404	PMC12 2602	PMC12 2304	PMCD12 2104	PMCD12 2304	PMC12 2203	PMCD12 2203	PMC12 2201	PMCD12 2201
PMC100212	.40	.18	.50	.19	.25	.16	.50	.19	.50	.20	.51	.19	.50	.50	.38	.24	.30	.17	.03	.03
PMCD100212	.27	.18	.31	.18	.24	.16	.28	.20	.26	.20	.29	.18	.26	.26	.27	.24	.25	.17	.03	.03
PMC100412	.40	.21	.50	.24	.26	.18	.50	.24	.50	.20	.51	.24	.50	.50	.38	.26	.30	.19	.03	.03
PMCD100412	.29	.19	.32	.23	.25	.17	.30	.23	.27	.21	.28	.23	.27	.28	.29	.24	.25	.18	.03	.03
PMC120412	.40	.18	.50	.18	.25	.16	.40	.18	.40	.16	.36	.18	.40	.40	.38	.21	.30	.17	.03	.03
PMCD120412	.21	.17	.22	.17	.20	.16	.22	.17	.21	.17	.20	.17	.21	.22	.21	.18	.21	.16	.03	.03
PMC160212	.23	.15	.28	.18	.19	.14	.27	.15	.27	.15	.28	.18	.27	.27	.23	.16	.20	.14	.03	.03
PMCD160212	.19	.15	.19	.15	.17	.14	.19	.15	.18	.15	.18	.15	.18	.19	.19	.15	.18	.14	.03	.03
PMC160412	.33	.23	.44	.24	.24	.18	.44	.23	.44	.20	.38	.24	.38	.44	.33	.26	.26	.19	.03	.03
PMCD160412	.23	.17	.26	.21	.22	.16	.26	.21	.26	.19	.25	.21	.21	.26	.23	.24	.22	.16	.03	.03
PMC170312	.25	.20	.30	.20	.20	.17	.30	.20	.30	.19	.28	.20	.28	.30	.25	.18	.21	.17	.03	.03
PMCD170312	.20	.17	.20	.17	.19	.15	.21	.17	.19	.17	.20	.17	.19	.20	.20	.16	.19	.16	.03	.03
PMC170112	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02
PMCD170112	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02



## DID YOU KNOW ...

You can prevent misconnections and crossed lines to help protect people and equipment? One method of preventing tubing or line misconnection is by combining different sizes of standard couplings to make correct line connections obvious to users. The following guidelines can help:

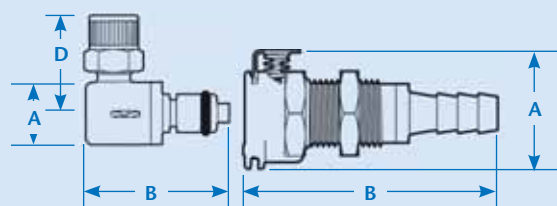
- Use one APC coupling and one PLC coupling.
- Use one MC/PMC size and one LC/PLC size.
- Use one panel mount body and one panel mount insert.
- Use Multi-Mount couplings (connect 3-5 lines simultaneously).



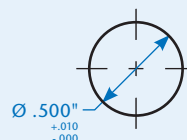
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## Product Dimensions



A = Height/Diameter  
B = Total Length (including valve)  
D = Elbow Radial Length



**COUPLING BODIES**  
**COUPLING INSERTS**

PANEL OPENING	MAX. PANEL THICKNESS	MIN. PANEL THICKNESS
see drawing	.50	.05
see drawing	.30	.06



PANEL NUT HEX	PANEL NUT THREAD
5/8	1/2-24UNF

## Coupling Bodies

### POLYPROPYLENE

POLYPROPYLENE

	<b>TERMINATION</b> <i>IN-LINE PIPE THREAD</i>	<b>THREAD SIZE</b> 1/8" NPT 1/8" BSPT 1/4" NPT 1/4" BSPT		<b>STRAIGHT THRU</b> PMC100212 PMC100212BSPT PMC100412 PMC100412BSPT	<b>SHUTOFF</b> PMCD100212 PMCD100212BSPT PMCD100412 PMCD100412BSPT	<b>A</b> .88 .88 .88 .88	<b>B</b> 1.00 1.00 1.10 1.10
	<b>TERMINATION</b> <i>PANEL MOUNT FERRULELESS POLYTUBE FITTING, PTF†</i>	<b>TUBING SIZE</b> 1/4" OD, .17" ID	<b>METRIC EQ.</b> 6.4mm OD, 4.3mm ID	<b>STRAIGHT THRU</b> PMC120412	<b>SHUTOFF</b> PMCD120412	<b>A</b> .79	<b>B</b> 1.72
	<b>TERMINATION</b> <i>PANEL MOUNT HOSE BARB</i>	<b>TUBING SIZE</b> 1/16" ID 1/8" ID 1/4" ID	<b>METRIC EQ.</b> 1.6mm ID 3.2mm ID 6.4mm ID	<b>STRAIGHT THRU</b> PMC160112 PMC160212 PMC160412	<b>SHUTOFF</b> PMCD160112 PMCD160212 PMCD160412	<b>A</b> .88 .88 .88	<b>B</b> 1.40 1.65 1.85
	<b>TERMINATION</b> <i>IN-LINE FERRULELESS POLYTUBE FITTING, PTF†</i>	<b>TUBING SIZE</b> 1/4" OD, .17" ID	<b>METRIC EQ.</b> 6.4mm OD, 4.3mm ID	<b>STRAIGHT THRU</b> PMC130412	<b>SHUTOFF</b> PMCD130412	<b>A</b> .89	<b>B</b> 1.74
	<b>TERMINATION</b> <i>IN-LINE HOSE BARB</i>	<b>TUBING SIZE</b> 1/16" ID 1/8" ID 1/4" ID	<b>METRIC EQ.</b> 1.6mm ID 3.2mm ID 6.4mm ID	<b>STRAIGHT THRU</b> PMC170112 PMC170212 PMC170412	<b>SHUTOFF</b> PMCD170112 PMCD170212 PMCD170412	<b>A</b> .89 .89 .89	<b>B</b> 1.42 1.67 1.87

## PMC12 1/4-28 Coupling Bodies

### POLYPROPYLENE

	<b>TERMINATION</b> PANEL MOUNT WITH A 1/4-28 FLAT BOTTOM PORT	<b>SHUTOFF</b> PMCD18042812	<b>A</b> 0.88	<b>B</b> 1.57
	<b>TERMINATION</b> IN-LINE WITH A 1/4-28 FLAT BOTTOM PORT	<b>SHUTOFF</b> PMCD19042812	<b>A</b> 0.89	<b>B</b> 1.57

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. †NOTE: Colder's Ferruleless PTF (polytube fitting) terminations do not require ferrules to achieve a secure connection and are therefore easier to use and reuse. PTF fittings are designed for semi-rigid tubing, i.e., polyethylene, nylon, polyurethane, etc.

## POLYPROPYLENE

<b>TERMINATION</b> IN-LINE PIPE THREAD	<b>THREAD SIZE</b> 1/8" NPT		<b>STRAIGHT THRU</b> PMC240212	<b>SHUTOFF</b> PMCD240212	<b>A</b> .58	<b>B</b> 1.03/1.45	
<b>TERMINATION</b> IN-LINE FERRULELESS POLYTUBE FITTING, PTF†	<b>TUBING SIZE</b> 1/4" OD, .17" ID	<b>METRIC EQ.</b> 6.4mm OD, 4.3mm ID	<b>STRAIGHT THRU</b> PMC200412	<b>SHUTOFF</b> PMCD200412	<b>A</b> .58	<b>B</b> 1.15/1.58	
<b>TERMINATION</b> IN-LINE HOSE BARB	<b>TUBING SIZE</b> 1/16" ID 1/8" ID 1/4" ID	<b>METRIC EQ.</b> 1.6mm ID 3.2mm ID 6.4mm ID	<b>STRAIGHT THRU</b> PMC220112 PMC220212 PMC220412	<b>SHUTOFF</b> PMCD220112 PMCD220212 PMCD220412	<b>A</b> .50 .50 .50	<b>B</b> .80/1.47 1.05/1.67 1.20/1.71	
<b>TERMINATION</b> ELBOW FERRULELESS POLYTUBE FITTING, PTF†	<b>TUBING SIZE</b> 5/32" OD, .10" ID 1/4" OD, .17" ID	<b>METRIC EQ.</b> 4.0mm OD, 2.5mm ID 6.4mm OD, 4.3mm ID	<b>STRAIGHT THRU</b> PMC2102512 PMC210412	<b>SHUTOFF</b> PMCD2102512 PMCD210412	<b>A</b> .50 .50	<b>B</b> 1.09/1.21 1.17/1.21	<b>D</b> .77 .77
<b>TERMINATION</b> ELBOW HOSE BARB	<b>TUBING SIZE</b> 1/8" ID 1/4" ID	<b>METRIC EQ.</b> 3.2mm ID 6.4mm ID	<b>STRAIGHT THRU</b> PMC230212 PMC230412	<b>SHUTOFF</b> PMCD230212 PMCD230412	<b>A</b> .50 .50	<b>B</b> 1.09/1.21 1.09/1.21	<b>D</b> .69 .90



## PMC12 1/4-28 Coupling Inserts

### POLYPROPYLENE

<b>TERMINATION</b> IN-LINE WITH 1/4-28 UNF THREADS		<b>STRAIGHT THRU</b> PMC24042812	<b>SHUTOFF</b> PMCD24042812	<b>A</b> .50	<b>B</b> 1.48	
<b>TERMINATION</b> PANEL MOUNT WITH A 1/4-28 FLAT BOTTOM PORT			<b>SHUTOFF</b> PMCD48042812	<b>A</b> .72	<b>B</b> 1.55	



## Nuts

TUBING SIZE	DESCRIPTION	PART NUMBER
1/16" and 1.8mm	1/4-28 Polypropylene Nut (natural)	2418900
1/8" and 3mm	1/4-28 Polypropylene Nut (natural)	2419000
1/16" and 1.8mm	1/4-28 Acetal Nut (black)	2419199
1/8" and 3mm	1/4-28 Acetal Nut (black)	2419299



## Ferrules

TUBING SIZE	DESCRIPTION	PART NUMBER
1/16"	Ferrule, ETFE (blue)	2419300
1/8"	Ferrule, ETFE (yellow)	2419400
1.8mm	Ferrule, ETFE (green)	2419500
3.0mm	Ferrule, ETFE (orange)	2419600



All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. Couplings are pictured with valves unless otherwise noted.  
 †NOTE: Colder's Ferruleless PTF (polytube fitting) terminations do not require ferrules to achieve a secure connection and are therefore easier to use and reuse. PTF fittings are designed for semi-rigid tubing, i.e., polyethylene, nylon, polyurethane, etc.



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