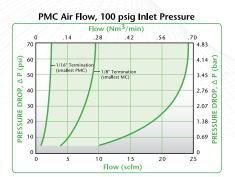
PMC SERIES CONNECTOR

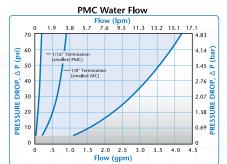


The 1/8" flow PMC coupling covers a wide variety of general-purpose applications. Featuring the CPC thumb latch, the PMC is easier to use than ball-and-sleeve designs. One-hand connection/disconnection and integral terminations make the PMC the choice for ease of use and manufacture.

This coupling is NuSeal® compatible (see page 27 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 30 and 34)
Clicks when connected	Assurance of a reliable connection







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:

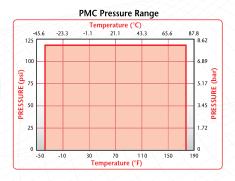
1/16" to 1/4" ID, 1.6mm to 6.4mm ID

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

> Also available in NSF listed versions. Please visit our website for part number information.

> > NSF

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.



NU-SEAL® QUICK DISCONNECT COUPLING

Nu-Seal® Specifications

PRESSURE: Vacuum to 20 psi, 1.4 bar

MATERIALS: Main components: Low density polyethylene

COLOR: Translucent

TUBING SIZE: 1/8" ID, 3.2mm ID

Nu-Seal® quick disconnect coupling inserts feature a

patented integral seal and are USP Class VI compliant. These economic inserts are ideal for applications that require limited connect/disconnect cycles.

FEATURES	BENEFITS
Patented integral seal	Economical, allows for disposability and provides leak-free connections
Low density polyethylene	Sterilizable by Et0, E-beam & gamma
Chemically resistant	Works in many critical USP Class VI material applications
Compatible	Mates with MC, PMC, PMC12 couplings

5	TERMINATION IN-LINE HOSE BARB	<i>Tubing Size</i> 1/8" ID	<i>METRIC EQ.</i> 3.2 mm ID	<i>PART NO.</i> DSM2202	HEIGHT .50	LENGTH .98

Liquid Flow Rate Information for Couplings

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

Cv VALUES FOR 1/8" FLOW PMC COUPLINGS

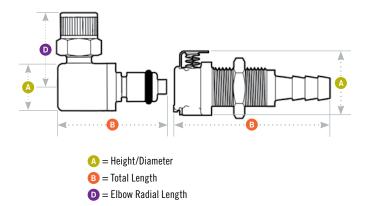
INSERTS BODIES	<i>PMC</i> 2004	<i>PMCD</i> 2004	РМС 2006	PMCD 2006	<i>PMC</i> 2202	<i>PMCD</i> 2202	<i>PMC</i> 2204	<i>PMCD</i> 2204	<i>PMC</i> 2402	<i>PMCD</i> 2402	<i>PMC</i> 2404	<i>PMCD</i> 2304	РМС 2602	<i>PMCD</i> 2304	<i>PMC</i> 2104	<i>PMCD</i> 2304	РМС 2203	<i>PMCD</i> 2203	РМС 2201	<i>PMCD</i> 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



Q = Flow rate in gallons per minute

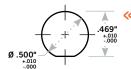
- C_v = Average coefficient across various
- flow rates (see chart) $\Delta P = Pressure drop across coupling (psi)$ S = Specific gravity of liquid

PMC DIMENSIONS



Panel Dimensions

	PANEL OPENING	PANEL THICKNESS MAX. – MIN.	PANEL NUT HEX	PANEL NUT THREAD
COUPLING BODIES	see drawing	.50 – .05	5/8	1/2-24UNS
COUPLING INSERTS	1/2	.30 – .05	5/8	1/2-24UNS



K Greenlee® punch number 60077

Coupling Bodies • ACETAL

C	TERMINATION IN-LINE PIPE THREAD	TUBING/THREAD SIZ 1/8" NPT 1/8" BSPT 1/4" NPT 1/4" BSPT	E METRIC EQ.	STRAIGHT THRU PMC1002 PMC1002BSPT PMC1004 PMC1004BSPT	SHUTOFF PMCD1002 PMCD1002BSPT PMCD1004 PMCD1004BSPT	A .79 .79 .79 .79	B 1.00 1.00 1.10 1.10
OF	PANEL MOUNT FERRULELESS POLYTUBE FITTING, PTF†	5/32" OD, .10" ID 1/4" OD, .17" ID	4.0mm OD, 2.0mm ID 4.0mm OD, 2.5mm ID 6.4mm OD, 4.3mm ID	PMC12M42 PMC12025 PMC1204	PMCD12M42 PMCD12025 PMCD1204	.77 .77 .77	1.65 1.70 1.72
P	PANEL MOUNT HOSE BARB	7/16" ID 1/8" ID 3/16" ID 1/4" ID	1.6mm ID 3.2mm ID 4.8mm ID 6.4mm ID	PMC1601 PMC1602 PMC1603 PMC1604	PMCD1601 PMCD1602 PMCD1603 PMCD1604	.77 .77 .77 .77	1.40 1.65 1.85 1.85
O	PANEL MOUNT FEMALE THREAD	10-32 UNF		PMC181032	PMCD181032	.77	1.25
87	IN-LINE FERRULELESS POLYTUBE FITTING, PTF†	5/32" OD, .10" ID 1/4" OD, .17" ID	4.0mm OD, 2.0mm ID 4.0mm OD, 2.5mm ID 5.0mm OD, 3.0mm ID 6.4mm OD, 4.3mm ID	PMC13M42 PMC13025 PMC13M5 PMC1304	PMCD13M42 PMCD13025 PMCD13M5 PMCD1304	.81 .81 .81 .81	1.65 1.65 1.72 1.75
2	IN-LINE HOSE BARB	1/16" ID 1/8" ID 3/16" ID 1/4" ID	1.6mm ID 3.2mm ID 4.8mm ID 6.4mm ID	PMC1701 PMC1702 PMC1703 PMC1704	PMCD1701 PMCD1702 PMCD1703 PMCD1704	.81 .81 .81 .81	1.41 1.45/1.65 1.65/1.85 1.65/1.85
80	IN-LINE FEMALE THREAD			PMC191032	PMCD191032	.81	1.25

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. †NOTE: CPC'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	<i>TUBING/THREAD SIZE</i> 1/8" NPT 1/8" BSPT 1/4" NPT 1/4" BSPT	METRIC EQ.	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	0
SENT?	PANEL MOUNT FERRULELESS POLYTUBE FITTING, PTF† (non-valved shown)	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	PMC4004	PMCD4004	.72	1.70/1.82	
)	PANEL MOUNT HOSE BARB	1/16" ID 1/8" ID 3/16" ID 1/4" ID	1.6mm ID 3.2mm ID 4.8mm ID 6.4mm ID	PMC4201 PMC4202 PMC4203 PMC4204	PMCD4201 PMCD4202 PMCD4203 PMCD4204	.72 .72 .72 .72 .72	1.38/1.50 1.63/1.75 1.83/1.95 1.83/1.95	
(E)	IN-LINE FERRULELESS POLYTUBE FITTING, PTF†	5/32" OD, .10" ID 1/4" OD, .17" ID 3/8" OD, .25" ID	4.0mm OD, 2.0mm ID 4.0mm OD, 2.5mm ID 6.4mm OD, 4.3mm ID 9.5mm OD, 6.4mm ID	PMC20M42 PMC20025 PMC2004 PMC2006	PMCD20M42 PMCD20025 PMCD2004 PMCD2006	.58 .58 .58 .65	1.08/1.60 1.13/1.65 1.15/1.57 1.40/1.52	
P	IN-LINE HOSE BARB (non-valved shown)	1/16" ID 1/8" ID 3/16" ID 1/4" ID	1.6mm ID 3.2mm ID 4.8mm ID 6.4mm ID	PMC2201 PMC2202 PMC2203 PMC2204	PMCD2201 PMCD2202 PMCD2203 PMCD2204	.50 .50 .50 .50	.80/1.47 1.00/1.67 1.20/1.88 1.22/1.70	
<i>a</i>	IN-LINE FEMALE THREAD	10-32 UNF		PMC281032	PMCD281032	.58	.63/1.31	
	ELBOW FERRULELESS POLYTUBE FITTING, PTF†	5/32" OD, .10" ID 1/4" OD, .17" ID	4.0mm OD, 2.5mm ID 6.4mm OD, 4.3mm ID		PMCD2104	.50 .50	1.17 1.17/1.21	.75 .77
	ELBOW HOSE BARB (non-valved shown)	1/8" ID 1/4" ID	3.2mm ID 6.4mm ID	PMC2302 PMC2304	PMCD2302 PMCD2304	.50 .50	.85/1.21 1.00/1.21	.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. tNOTE: CPC'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.