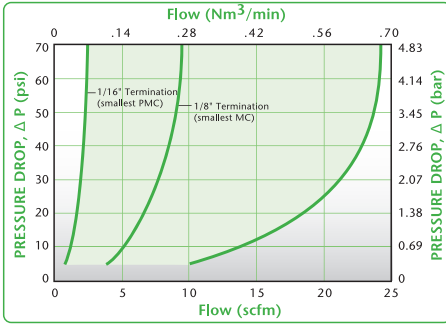
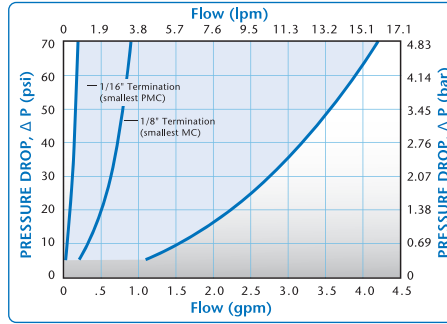


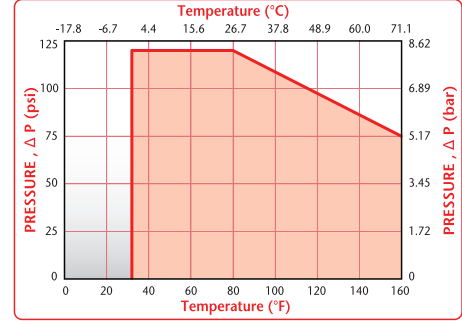
PMC12 Air Flow, 100 psig Inlet Pressure



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.



The IdentiQuik® Series of smart couplings are RFID enabled couplings used on equipment and in processes. RFID is an identification method that relies on remotely writing and reading data. Smart coupling applications include: inventory level meters, surgical tool identification, product protection and many more.

RFID Specifications

RF Communication Range:
Approximately 1"

Operating Voltage:
8-25 V standard, 5V only available

Power Consumption:
350mW maximum

Communications:
ASCII RS-232 (DB-9)

RFID Tag:
13.56 MHz
ISO15693 - 112 bytes programmable

NOTE: RFID tags not approved for e-beam or gamma sterilization

Operating Temperature:
32°F to 150°F (0°C to 65°C)

Materials are listed on page 20. Customized parts (materials, voltage, termination, cable length, etc.) available. Call for more information.

SMART COUPLINGS WITH RFID

IdentiQuik PMC Series

- (((**Identify misconnections:** eliminate out-of-sequence connections or misconnections due to operator error
- (((**Protect your brand:** prevent out-of-date, incorrect or misapplied products from being used
- (((**Prolong equipment life:** prevent the accidental or unintentional use of harmful media
- (((**Save time:** automatic documentation of package and media lot numbers, date codes and more

Coupling Reader



POLYPROPYLENE

TERMINATION	TUBING SIZE	METRIC EQ.
<i>IN-LINE HOSE BARB</i>	1/4" ID	6.4mm ID

Product Dimensions
(See drawing on page 22)

SHUTOFF	A	B
iPMC12D4HP24A00	1.32	2.75

Coupling Inserts



POLYPROPYLENE

TERMINATION	TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	A	B	C
<i>IN-LINE HOSE BARB</i>	1/4" ID	6.4mm ID	iPMC124HP1	iPMC12D4HP1	.75	1.63	1/2
	1/4" ID	6.4mm ID			.75	1.73	1/2

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. **NOTE:** I-Code SL1 tags are available for existing applications, contact the factory for assistance.

Don't forget: you can always visit www.colder.com for more product information.

POLYPROPYLENE

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



PMC12 1/4-28 Coupling Inserts

POLYPROPYLENE

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