

MPC

SERIES CONNECTORS

MPC Series Connectors add ease of use and security to critical fluid handling applications. Choose from a full line of connectors and configurations, including pressure sealing caps and plugs, in sizes to fit 1/8" to 3/8" tubing. MPC couplings offer optional locking sleeves to further guard against accidental disconnects. In addition, coupling halves can be rotated when connected to reduce tube kinks.

SPECIFICATIONS

OPERATING PRESSURE

Vacuum to 60 psi, 4.1 bar

OPERATING TEMPERATURE

Polycarbonate:

-40°F to 250°F (-40°C to 121°C)

Polysulfone:

-40°F to 300°F (-40°C to 149°C)

STERILIZATION

Gamma: Up to 50 kGy irradiation

Autoclave:

Polycarbonate: Up to 250°F (121°C),

30 minutes, up to 10 repetitions

Sterilize uncoupled only

Polysulfone: Up to 270°F (132°C),

60 minutes, up to 25 repetitions

Sterilize uncoupled only

TERMINATIONS

1/8" to 3/8" ID (3.2mm to 9.5mm)

MATERIALS

Main components:

Polycarbonate (purple tint)

Polysulfone (amber tint)

Locking sleeves:

Polysulfone (white)

Thumb Latches:

Polycarbonate (white)

PVDF (white)

O-rings:

Silicone (clear), platinum-cured

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's products in their own application conditions.

CAUTION: CPC does not recommend the use of PVC tubing with the polycarbonate MPC Series Connectors. Leachables from PVC tubing could be incompatible with polycarbonate material and affect product performance. Determining product application suitability is solely the customer's responsibility. CPC does not guaranty or warrant product suitability for any application or use.

FEATURES

Ergonomic thumb latch	→	Easy to operate – even with gloved hands
Parting line-free hose barb	→	Prevent potential leak path
Optional locking sleeve	→	Prevents accidental disconnection
Various options on termination size and material	→	Better flexibility to fit more applications

BENEFITS

TYPICAL FLOW RATE

Cv Value Range: 0.1 - 8
for MPC hose barb terminations

Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

NOTE

Validation and Extractables data can be requested at cpcworldwide.com/MPC

DID YOU KNOW

The MPC and MPX connectors are perfect for smaller bag systems for aliquoted media or other product stored in bags.

Scan code to visit webpage



cpcworldwide.com/MPC



COLDER PRODUCTS COMPANY
U.S.A.
PHONE: +1 (651) 645-0091
TOLL FREE: +1 (800) 519-7633
E-MAIL: info@cpcworldwide.com

COLDER PRODUCTS COMPANY GMBH
Germany
E-MAIL: cpcgmbh@cpcworldwide.com

DOVER (SHANGHAI) INDUSTRIAL CO., LTD
ShangHai, China
PHONE: +86 21 2411 2666
TOLL FREE: +86 400 990 1978
E-MAIL: asiapacific@cpcworldwide.com

MPC SERIES DIMENSIONS

COUPLING BODIES



TERMINATION	METRIC EQ.	POLYCARBONATE PART NO.	POLYSULFONE PART NO.	A	B
1/8" HOSE BARB	3.2 mm ID	MPC17002T03	MPC17002T39	0.96" (24.4 mm)	1.10" (27.9 mm)
1/4" HOSE BARB	6.4 mm ID	MPC17004T03	MPC17004T39	0.96" (24.4 mm)	1.30" (33.0 mm)
3/8" HOSE BARB	9.5 mm ID	MPC17006T03	MPC17006T39	0.96" (24.4 mm)	1.30" (33.0 mm)
1/8" HOSE BARB W/ LOCK	3.2 mm ID	MPCK17002T03	MPCK17002T39	1.02" (25.9 mm)	1.10" (27.9 mm)
1/4" HOSE BARB W/ LOCK	6.4 mm ID	MPCK17004T03	MPCK17004T39	1.02" (25.9 mm)	1.30" (33.0 mm)
3/8" HOSE BARB W/ LOCK	9.5 mm ID	MPCK17006T03	MPCK17006T39	1.02" (25.9 mm)	1.30" (33.0 mm)

COUPLING INSERTS



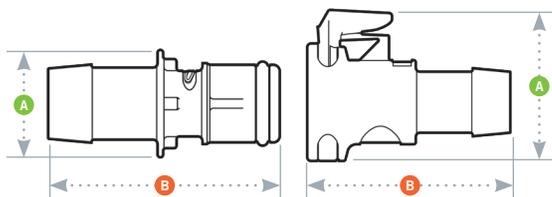
TERMINATION	METRIC EQ.	POLYCARBONATE PART NO.	POLYSULFONE PART NO.	A	B
1/8" HOSE BARB	3.2 mm ID	MPC22002T03M	MPC22002T39M	0.60" (15.2 mm)	1.09" (27.7 mm)
1/4" HOSE BARB	6.4 mm ID	MPC22004T03M	MPC22004T39M	0.60" (15.2 mm)	1.30" (33.0 mm)
3/8" HOSE BARB	9.5 mm ID	MPC22006T03M	MPC22006T39M	0.60" (15.2 mm)	1.30" (33.0 mm)

SEALING COMPONENTS



SEALING CAP	W/LOCK	MATERIAL	A	B
MPC32003	MPCK32003	Polycarbonate	0.96" (24.4 mm)	1.30" (33.0 mm)
MPC32039	MPCK32039	Polysulfone	0.99" (25.2 mm)	1.30" (33.0 mm)
SEALING PLUG		MATERIAL	A	B
MPC30003M		Polycarbonate	0.75" (19.1 mm)	1.24" (31.5 mm)
MPC30039M		Polysulfone	0.75" (19.1 mm)	1.24" (31.5 mm)

PRODUCT DIMENSIONS



A = Height/Diameter

B = Total Length

WARRANTY: All sales are subject to Colder Products Company's limited express warranty set forth in the CPC catalog. Contact your local distributor or CPC Customer Service for warranty provisions.

Warning: Due to the wide variety of possible fluid media and operating conditions, unintended consequences may result from the use of this product, all of which are beyond the control of CPC. It is the user's responsibility to carefully determine and test for compatibility for use with their application. All such risks shall be assumed by the buyer.

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