

MPX[®] SERIES CONNECTOR

MPX[®] Series couplings add ease of use and security to your most critical fluid handling applications. Choose from a full line of connectors and configurations, including pressure sealing caps and plugs in sizes to fit 3/8" and 1/2" tubing. MPX couplings offer optional locking sleeves to further guard against accidental disconnects. In addition, coupling halves can be rotated when connected reducing tube kinks.



SPECIFICATIONS

PRESSURE:

Vacuum to 60 psi, 4.1 bar

TEMPERATURE:

Polycarbonate:

-40°F to 250°F (-40°C to 121°C)

Polysulfone:

-40°F to 300°F (-40°C to 149°C)

MATERIALS:

Main components:

Polycarbonate (purple tint), USP Class VI, ADCF

Polysulfone (amber tint), USP Class VI, ADCF

Locking sleeves:

Polysulfone (white), USP Class VI, ADCF

Thumb Latches:

Polycarbonate (white), USP Class VI, ADCF

Polysulfone (amber tint), USP Class VI, ADCF

O-rings: Silicone (clear), platinum-cured, USP Class VI, ADCF

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) for 60 minutes, up to 25 repetitions. Sterilize uncoupled only.

TUBING SIZES:

3/8" to 1/2" ID (9.5mm to 12.7mm)

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.

FEATURES

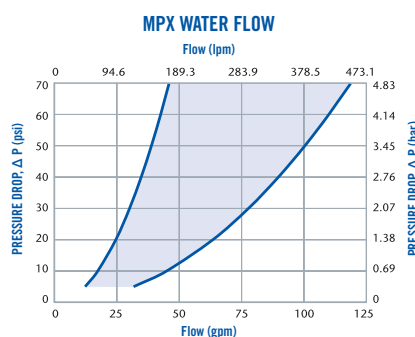
- Ergonomic thumb latch → Easy to operate – even with gloved hands
- USP Class VI materials → Meet biocompatibility requirements
- Sterilizable by autoclave, EtO, e-beam, or gamma → Reusable, yet economical enough to allow disposability
- Parting line-free hose barb → Eliminates potential leak path
- ADCF-free materials → Meet BSE/TSE requirements

BENEFITS

- Easy to operate – even with gloved hands
- Meet biocompatibility requirements
- Reusable, yet economical enough to allow disposability
- Eliminates potential leak path
- Meet BSE/TSE requirements

NOTE

MPX Series also mates with Back to Back Adapters



This graph is intended to give you a general idea of the performance capabilities of each product line. The shaded area of the 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.



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MPX® SERIES DIMENSIONS


COUPLING BODIES - Polycarbonate

TERMINATION	TUBING	METRIC EQ.	FLOW	STRAIGHT THRU		A	B
 IN-LINE HOSE BARB	1/2" ID	12.7mm ID	0.50"	MPX17803		1.28 (32.5)	1.96 (49.8)
 IN-LINE HOSE BARB WITH LOCK	1/2" ID	12.7mm ID	0.50"	MPXK17803		1.28 (32.5)	1.96 (49.8)


COUPLING BODIES - Polysulfone

TERMINATION	TUBING	METRIC EQ.	FLOW	STRAIGHT THRU		A	B
 IN-LINE HOSE BARB	1/2" ID	12.7mm ID	0.50"	MPX17839		1.28 (32.5)	1.96 (49.8)
 IN-LINE HOSE BARB WITH LOCK	1/2" ID	12.7mm ID	0.50"	MPXK17839		1.28 (32.5)	1.96 (49.8)


COUPLING INSERTS - Polycarbonate

TERMINATION	TUBING	METRIC EQ.	FLOW	STRAIGHT THRU	O-RING		A	B
 IN-LINE HOSE BARB	3/8" ID	9.5mm ID	0.38"	MPX22603M	Silicone Seal USP Class VI	0.85 (21.6)	1.9 (48.3)	
	1/2" ID	12.7mm ID	0.50"	MPX22803M	Silicone Seal USP Class VI	0.85 (21.6)	1.9 (48.3)	

COUPLING INSERTS - Polysulfone

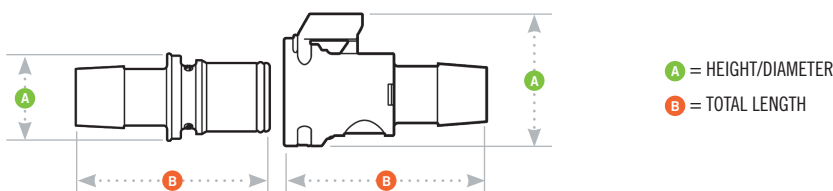
TERMINATION	TUBING	METRIC EQ.	FLOW	STRAIGHT THRU	O-RING		A	B
 IN-LINE HOSE BARB	3/8" ID	9.5mm ID	0.38"	MPX22639M	Silicone Seal USP Class VI	0.85 (21.6)	1.9 (48.3)	
	1/2" ID	12.7mm ID	0.50"	MPX22839M	Silicone Seal USP Class VI	0.85 (21.6)	1.9 (48.3)	

MATING PARTS

	SEALING CAP	W/LOCK	MATERIAL	A	B
	MPX32003	MPXK32003	Polycarbonate	1.28 (32.5)	1.67 (42.4)
	MPX32039	MPXK32039	Polysulfone	1.28 (32.5)	1.67 (42.4)
	SEALING PLUG	O-RING	MATERIAL	A	B
	MPX30003M	Silicone Seal USP Class VI	Polycarbonate	1.1 (27.9)	1.66 (42.2)
	MPX30039M	Silicone Seal USP Class VI	Polysulfone	1.1 (27.9)	1.66 (42.2)

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters.

PRODUCT DIMENSIONS



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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