

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

USP Class VI materials

Sterilizable by autoclave, EtO, e-beam, or gamma

Parting line-free hose barb

ADCF-free materials

BENEFITS

Easy to operate – even with gloved hands

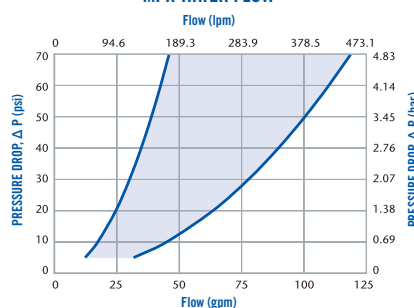
Meet biocompatibility requirements

Reusable, yet economical enough to allow disposability

Eliminates potential leak path

Meet BSE/TSE requirements

MPX WATER FLOW



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.

NOTE

MPX Series also mates with Back to Back Adapters



SCAN

cpcworldwide.com/MPX



COLDER PRODUCTS COMPANY

U.S.A.

PHONE: +1 (651) 645-0091

TOLL FREE: +1 (800) 444-2474

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

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



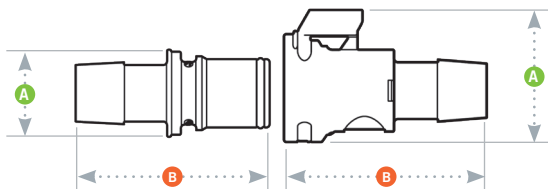
SEALING CAP	W/LOCK	MATERIAL	A	B
MPX32003	MPXK32003	Polycarbonate	1.28 (32.5)	1.67 (42.4)
MPX32039	MPXK32039	Polysulfone	1.28 (32.5)	1.67 (42.4)



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



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.

COPYRIGHT © 2024 BY COLDER PRODUCTS COMPANY.

CPC, Colder Products Company, and Colder Products are registered trademarks with the United States Patent and Trademark Office.

For detailed trademark information, please visit: <https://www.cpcworldwide.com/Trademarks>

CAT2021-MPX Rev. 08/25