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MPX SERIES

MPX Specifications

Pressure: Vacuum to 60 psi, 4.14 bar

Temperature:

Polysulfone:

-40° F to 300° F (-40° C to 149° C)

Polycarbonate:

-40° F to 250° F (-40° C to 121° C)

Materials:

Main components:

Polysulfone (amber tint), USP Class VI; Polycarbonate (purple tint), USP Class VI

Locking sleeves: Polysulfone (white)

O-rings:

Silicone (clear), platinum-cured, USP Class VI

Sterilization:

Gamma: Up to 50 kGy irradiation

Autoclave

Polycarbonate: Up to 250°F (121°C), 30 minutes, up to 10 repetitions. Sterilize uncoupled only.

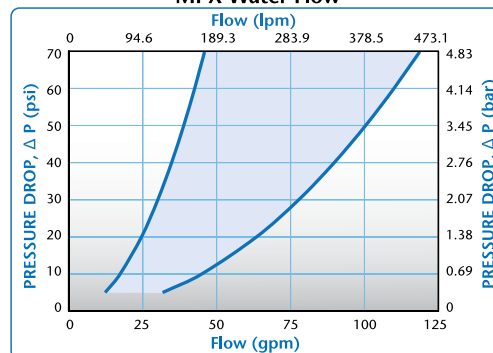
Polysulfone: Up to 270°F (132°C) for 60 minutes, up to 25 repetitions. Sterilize uncoupled only.

Tubing Sizes:

3/8" to 1/2" ID, 9.5mm to 12.7mm 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 Colder's products in their own application conditions.

MPX Water Flow



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.

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.

Features

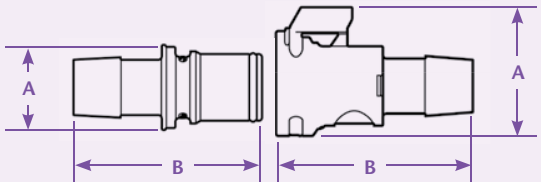
- Ergonomic thumb latch
- USP Class VI materials
- Sterilizable by autoclave, EtO, e-beam, or gamma
- Parting line-free hose barb

Benefits

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

Note: MPC Series mates with SaniQuik™ and Sanitary Series (See pages 8-9)

Product Dimensions



A = Height/Diameter
B = Total Length

Coupling Bodies

POLYCARBONATE

TERMINATION	TUBING SIZE	METRIC EQ.	FLOW	STRAIGHT THRU	A	B
IN-LINE HOSE BARB	1/2" ID	12.7mm ID	.500"	MPX17803	1.28 (32.5)	1.96 (49.8)
IN-LINE HOSE BARB WITH LOCK	1/2" ID	12.7mm ID	.500"	MPXK17803	1.28 (32.5)	1.96 (49.8)



POLYSULFONE

TERMINATION	TUBING SIZE	METRIC EQ.	FLOW	STRAIGHT THRU	A	B
IN-LINE HOSE BARB	1/2" ID	12.7mm ID	.500"	MPX17839	1.28 (32.5)	1.96 (49.8)
IN-LINE HOSE BARB WITH LOCK	1/2" ID	12.7mm ID	.500"	MPXK17839	1.28 (32.5)	1.96 (49.8)



Coupling Inserts

POLYCARBONATE

TERMINATION	TUBING SIZE	METRIC EQ.	FLOW	STRAIGHT THRU	O-RING	A	B
IN-LINE HOSE BARB	3/8" ID	9.5mm ID	.375"	MPX22603M	Silicone Seal USP Class VI	.85 (21.6)	1.90 (48.3)
IN-LINE HOSE BARB	1/2" ID	12.7mm ID	.500"	MPX22803M	Silicone Seal USP Class VI	.85 (21.6)	1.90 (48.3)



POLYSULFONE

TERMINATION	TUBING SIZE	METRIC EQ.	FLOW	STRAIGHT THRU	O-RING	A	B
IN-LINE HOSE BARB	3/8" ID	9.5mm ID	.375"	MPX22639M	Silicone Seal USP Class VI	.85 (21.6)	1.90 (48.3)
IN-LINE HOSE BARB	1/2" ID	12.7mm ID	.500"	MPX22839M	Silicone Seal USP Class VI	.85 (21.6)	1.90 (48.3)



Accessories

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



Accessories

SEALING PLUG	O-RING	A	B
MPX30003M	Silicone Seal USP Class VI	1.10 (27.9)	1.66 (42.2)
MPX30039M	Silicone Seal USP Class VI	1.10 (27.9)	1.66 (42.2)



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