

MPC/MPX BACK-TO-BACK SERIES ADAPTERS

MPC/MPX Back-to-Back Adapters give end users the flexibility of connecting single-use systems that feature identical coupling connections at the end of their tubing. Combining both MPC and MPX couplings provides a reducing option for users who need to transition between tubing diameters ranging from 1/8" to 1/2".



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

MATERIALS

Main Components:

Polycarbonate (purple tint)

Polysulfone (amber tint)

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.

FEATURES

Compatible with MPC and MPX Series inserts

Tubing reduction option

Ergonomic thumb latches

BENEFITS

Easy conversion to industry standard connections or single-use systems

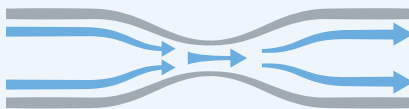
Allows easy transition between multiple size tubing from 1/8" to 1/2" ID

Easy to operate – even with gloved hands

TYPICAL FLOW RATE:

Cv Value Range: 2 - 32

for Back-to-Back 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/Back-to-Back-Adapters

DID YOU KNOW

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

MPC/MPX BACK-TO-BACK SERIES DIMENSIONS

MPC/MPX BACK-TO-BACK INSERT ADAPTERS - Polysulfone



PART NO.	TYPE	A	B
MPC22C2239M	MPC to MPC	0.74" (18.8)	2.04" (51.0)
MPC22X2239M	MPC to MPX	0.98" (25.0)	2.42" (61.5)
MPX22X2239M	MPX to MPX	0.98" (25.0)	2.73" (69.5)

MPC/MPX BACK-TO-BACK BODY ADAPTERS - Polycarbonate



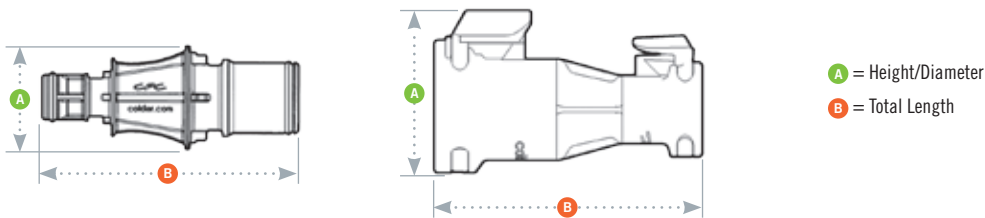
PART NO.	TYPE	A	B
MPC17C1703	MPC to MPC	0.96" (24.5)	1.81" (46.0)
MPX17X1703	MPX to MPX	1.28" (32.5)	2.44" (62.0)
MPC17X1703	MPC to MPX	1.28" (32.5)	2.13" (54.1)

MPC/MPX BACK-TO-BACK BODY ADAPTERS - Polysulfone



PART NO.	TYPE	A	B
MPC17C1739	MPC to MPC	0.96" (24.5)	1.81" (46.0)
MPX17X1739	MPX to MPX	1.28" (32.5)	2.44" (62.0)
MPC17X1739	MPC to MPX	1.28" (32.5)	2.13" (54.1)

PRODUCT DIMENSIONS



NOTES
