

BACK-TO-BACK SERIES CONNECTOR



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".

FEATURES

Compatible with MPC and MPX Series inserts

Tubing reduction option

Ergonomic thumb latches

ADCF-free materials

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

Meet BSE/TSE requirements

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

Thumb Latches:

Polycarbonate (white), USP Class VI, ADCF
PVDF (white), 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) for 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.

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.

Back-To-Back Insert Adapters

• POLYSULFONE



PART NO.

MPC22C2239M
MPC22X2239M
MPX22X2239M

TYPE

MPC to MPC
MPC to MPX
MPX to MPX

A

0.74 (18.8)
0.98 (25.0)
0.98 (25.0)

B

2.04 (51.0)
2.42 (61.5)
2.73 (69.5)

Note:
Mates with MPC and MPX bodies, inserts and sealing caps and plugs (pages 6-11).

Back-To-Back Body Adapters

• POLYCARBONATE



PART NO.

MPC17C1703
MPX17X1703
MPC17X1703

TYPE

MPC to MPC
MPX to MPX
MPC to MPX

A

.96 (24.5)
1.28 (32.5)
1.28 (32.5)

B

1.81 (46.0)
2.44 (62.0)
2.13 (54.1)

• POLYSULFONE



PART NO.

MPC17C1739
MPX17X1739
MPC17X1739

TYPE

MPC to MPC
MPX to MPX
MPC to MPX

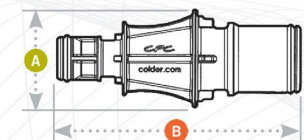
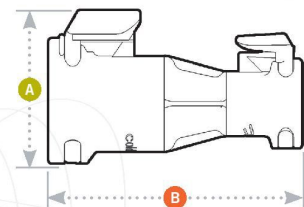
A

.96 (24.5)
1.28 (32.5)
1.28 (32.5)

B

1.81 (46.0)
2.44 (62.0)
2.13 (54.1)

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



A = Height/Diameter

B = Total Length

Confidence at every point of connection. 9