

# 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  
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) 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.	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)

**Note:**  
Mates with MPC and MPX bodies, inserts and sealing caps and plugs (pages 106-111).

## Back-To-Back Body Adapters

### • POLYCARBONATE



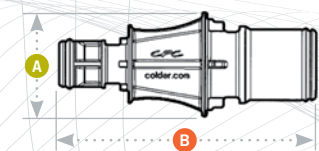
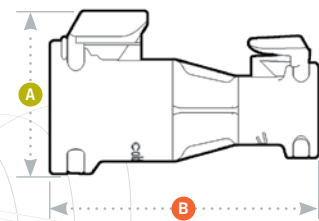
PART NO.	TYPE	A	B
MPC17C1703	MPC to MPC	.96 (24.5)	1.81 (46.0)
MPX17X1703	MPX to MPX	1.28 (32.5)	2.44 (62.0)
MPC17X1703	MPC to MPX	1.28 (32.5)	2.13 (54.1)

### • POLYSULFONE



PART NO.	TYPE	A	B
MPC17C1739	MPC to MPC	.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)

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



A = Height/Diameter

B = Total Length