



BACK-TO-BACK

MPC/MPX Back-to-Back Body Adapters

allow end users the flexibility of connecting off-the-shelf single-use systems that may feature identical coupling connections at the end of their tubing. A version with both MPC and a larger format MPX body will essentially provide a reducing option for users who need to transition from larger-sized tubing to smaller-sized tubing on two different single-use systems.

Features

- Compatible with MPC and MPX Series inserts
- Tubing Reduction Option
- Ergonomic thumb latches
- BSE/TSE 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 ADCF requirements

Note: Mates with MPC polycarbonate and polysulfone inserts and sealing plugs (pages 76-77) and MPX polycarbonate and polysulfone inserts and sealing caps (pages 77-79)

Back-To-Back Body Adapters

POLYCARBONATE

PART NUMBER	TYPE	A	B
MPC17C1703	MPC to MPC	.96 (24.5)	1.81 (46.0)
MPX17X1703	MPX to MPX	1.28 (32.5)	2.13 (54.1)
MPC17X1703	MPC to MPX	1.28 (32.5)	2.44 (62.0)

Back-To-Back Body Adapters

POLYSULFONE

PART NUMBER	TYPE	A	B
MPC17C1739	MPC to MPC	.96 (24.5)	1.81 (46.0)
MPX17X1739	MPX to MPX	1.28 (32.5)	2.13 (54.1)
MPC17X1739	MPC to MPX	1.28 (32.5)	2.44 (62.0)

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

Specifications

Pressure: Vacuum to 60 psi, 4.14 bar

Temperature:
-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

Sterilization:

Gamma: Up to 50 kGy irradiation.

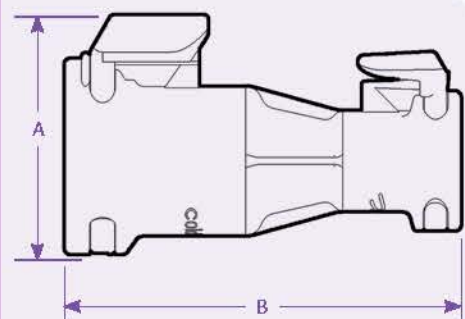
Autoclave:

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.

Termination Sizes:

1/2" ID hose barb (12.7mm), 3/8" hose barb (9.5mm) and 3/4" sanitary



A = Height/Diameter
B = Total Length



SANITARY SERIES

Specifications

Pressure:
Vacuum to 60 psi, 4.14 bar

Temperature:
-40°F to 300°F (-40°C to 149°C)

Materials:

Main components:
Polysulfone (amber tint), USP Class VI, ADCF
O-rings (mating insert): Silicone (clear), platinum-cured, USP Class VI, ADCF

Sterilization:

Gamma: Up to 50 kGy irradiation

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

Termination Sizes:

3/4", 1" and 1-1/2" sanitary

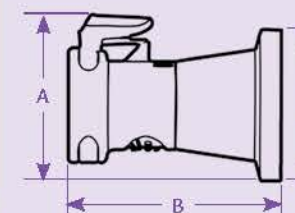
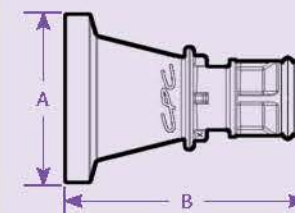
Sanitary couplings attach directly to 3/4", 1" and 1-1/2" sanitary terminations to provide greater flexibility for integrating components into single-use or hybrid process systems. Standard bag systems with quick couplings can be easily connected to equipment with sanitary terminations, while single-use cartridge filters can be converted to incorporate quick couplings for greater system modularity.

Features

- 3/4", 1" and 1-1/2" sanitary terminations
- Compatible with MPC and MPX Series couplings
- Integral coupling adaptor
- BSE/TSE free materials

Benefits

- Install to equipment with sanitary gaskets and sanitary clamps
- Quick and easy connections to industry standard plastic couplings on single-use bags and tube sets
- Provides flexibility to easily convert sanitary terminations on filter cartridge or equipment
- Meet ADCF Requirements



A = Height/Diameter
B = Total Length (including valve)
E = Outside Diameter

Note: Mates with MPC and MPX polycarbonate and polysulfone bodies, inserts, sealing caps and plugs. (pages 76-79)

Coupling Bodies

POLYSULFONE

PART NO.	SIZE	A	B	E
MPC3301239	3/4"	.98 (24.9)	1.40 (35.6)	1.0 (25.4)
MPX3301239	3/4"	1.28 (32.5)	1.70 (43.2)	1.0 (25.4)
MPC3301639	1"	1.50 (38.1)	1.40 (35.6)	1.50 (38.1)

Coupling Inserts

POLYSULFONE

PART NO.	SIZE	O-RING	A	B
MPC44012T39M	3/4"	Silicone Seal USP Class VI	.98 (24.9)	1.40 (35.6)
MPC44024T39M	1-1/2"	Silicone Seal USP Class VI	1.98 (50.3)	1.40 (35.6)
MPX44012T39M	3/4"	Silicone Seal USP Class VI	.98 (24.9)	1.71 (43.4)
MPX44024T39M	1-1/2"	Silicone Seal USP Class VI	1.98 (50.3)	1.71 (43.4)

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. **NOTE:** QD sanitary couplings are compatible with both stainless steel and plastic clamps. Clamps and gaskets are referenced for illustration and are not available through Colder.