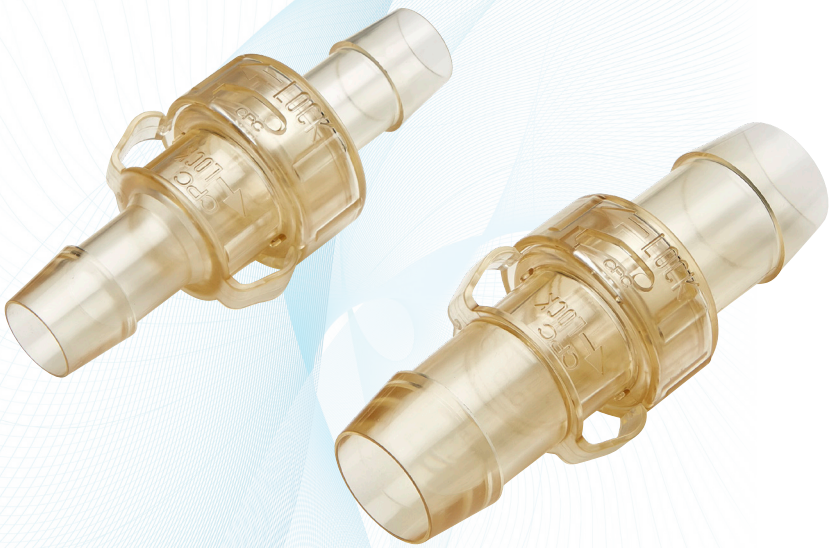
MPU SERIES CONNECTOR



Specifications

PRESSURE:
Vacuum to 35 psi, 2.4 bar

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

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

TUBING SIZE:
3/4" ID (19.0mm), 1" ID (25.4 mm)

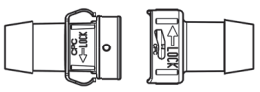
***WARNING**: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.*

The MPU's twist-to-connect design features an easy-to-use locking mechanism that guards against accidental disconnects and provides a reliable, secure connection. A 3/4" and 1" hose barb provides smooth, rapid media transfer.

FEATURES	BENEFITS
3/4" and 1" hose barb	Facilitates rapid fill and empty of bioprocessing bags
Locking feature	Guards against accidental disconnects
Sharp barb end	Minimizes fluid turbulence and dead space
Shrouded, leak-free seal & smooth, internal flow path	Protect valuable fluids and eliminate potential to contaminate fluid path
ADCF-free materials	Meet BSE/TSE requirements
Easy to use thumb latch	Simplifies opening and closing

MPU Flow Results

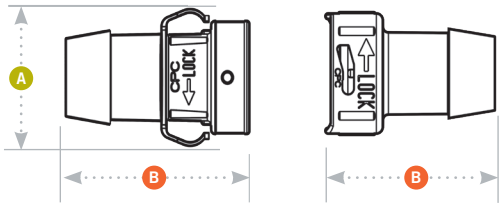
The CV value is the estimated GPM flow of water resulting in a 1 PSI pressure drop across the connector set



MPU 3/4"
CV value 20

MPU 1"
CV value 37

MPU SERIES CONNECTOR DIMENSIONS



A = Height/Diameter
B = Total Length

Coupling Bodies • POLYSULFONE



TERMINATION	TUBING	METRIC EQ.	FLOW	STRAIGHT THRU	A	B
IN-LINE HOSE BARB	3/4" ID	19.0mm ID	.71"	MPU171239	1.75" (44.5mm)	2.37" (60.2mm)
	1" ID	25.4mm ID	1"	MPU171639	1.75" (44.5mm)	2.57" (60.3mm)

Coupling Inserts • POLYSULFONE



TERMINATION	TUBING	METRIC EQ.	FLOW	STRAIGHT THRU	O-RING	A	B
IN-LINE HOSE BARB	3/4" ID	19.0mm ID	.71"	MPU221239M	Silicone Seal USP Class VI	1.9" (48.3mm)	2.88" (73.2mm)
	1" ID	25.4mm ID	1"	MPU221639M	Silicone Seal USP Class VI	1.9" (48.3mm)	2.88" (73.2mm)

Accessories • POLYSULFONE



SEALING CAP	MATERIAL	A	B
MPU32039	Polysulfone USP Class VI	1.75" (44.5mm)	.79" (20.1mm)

SEALING PLUG	O-RING	MATERIAL	A	B
MPU30039M	Silicone Seal	Polysulfone	1.56" (39.6mm)	1.38" (35.1mm)

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