

# MPU SERIES CONNECTOR



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" hose barb provides smooth, rapid media transfer.

FEATURES	BENEFITS
3/4" 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

## Specifications ●●●

**PRESSURE:**  
Vacuum to 35 psi, 2.4 bar

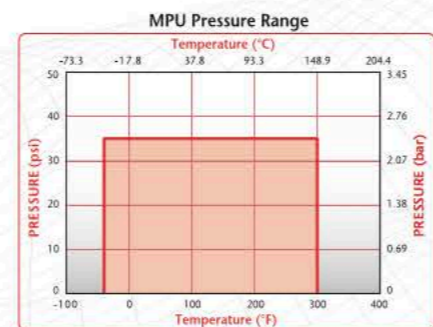
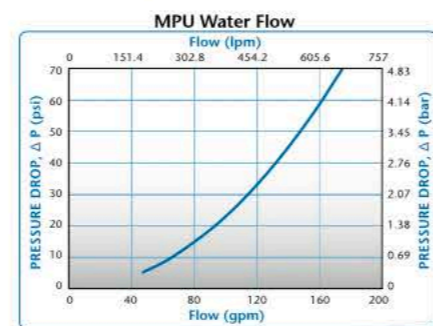
**TEMPERATURE:**  
-40°F to 300°F (-40°C to 149°C)

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

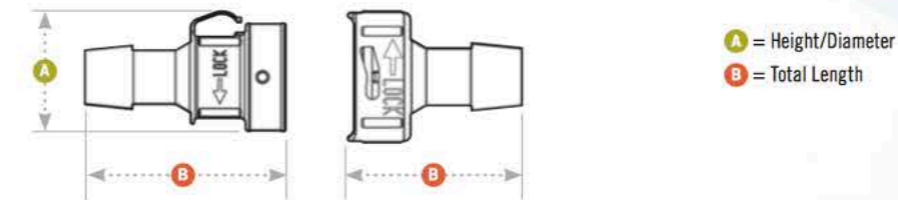
**STERILIZATION:**  
**Gamma:** Up to 50 kGy irradiation  
**Autoclave:** Up to 270°F (132°C) for 60 minutes, up to 25 repetitions. Sterilize uncoupled only.

**TUBING SIZES:** 3/4" ID (19.0 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.

These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of each graph represents the operating range of the product family, i.e., upper and lower values are shown. Therefore, depending on the exact coupling configurations selected, you can reasonably expect values to fall within the shaded area.



# MPU SERIES CONNECTOR DIMENSIONS



## 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 (44.5)	2.37 (60.2)

## 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	1.56 (39.6)	2.88 (73.2)

## Accessories • POLYSULFONE

SEALING CAP MPU32039		MATERIAL Polysulfone USP Class VI	A	B
			1.75 (44.5)	.79 (20.1)
SEALING PLUG MPU30039M	O-RING Silicone Seal	MATERIAL Polysulfone USP Class VI	A	B
			1.56 (39.6)	1.38 (35.1)

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