

# HFC39 SERIES CONNECTOR



## Specifications ● ● ●

### PRESSURE:

Vacuum to 125 psi, 8.6 bar

### TEMPERATURE:

-40°F to 280°F (-40°C to 138°C)

### MATERIALS:

#### Main components:

Polysulfone (amber tint), USP Class VI, ADCF

**O-rings:** Silicone (clear), platinum-cured, USP Class VI, ADCF

**Springs:** 316L stainless steel

### STERILIZATION:

**Gamma:** Up to 50 kGy irradiation. Sterilize coupled or uncoupled.

**Autoclave:** Up to 270°F (132°C) for 60 minutes. Up to 25 repetitions for uncoupled units and up to one repetition for coupled units.

### TERMINATION SIZES:

1/4", 3/8" and 1/2" ID hose barb  
(6.4mm, 9.5mm and 12.7mm)

**HFC39 Series sterile disconnect couplings** prevent external organisms from entering into the media flow path upon disconnection. Automatic shutoff valves close off the flow path aseptically protecting valuable media while also eliminating the need for pinch clamps and tube welders. The easy-to-use thumb latch design provides a secure, leak-free connection and enables one-hand disconnects.

## FEATURES

Simple one-step disconnection

Automatic shutoff valves

CPC Click

Lightweight

ADCF-free materials

## BENEFITS

Maintains media sterility in each half by preventing external organisms from entering the flow path

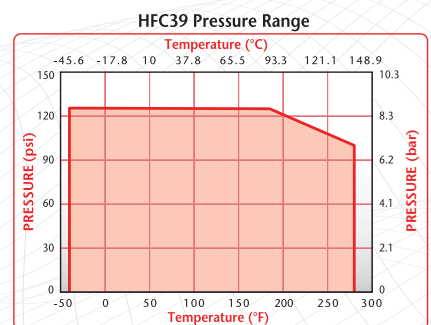
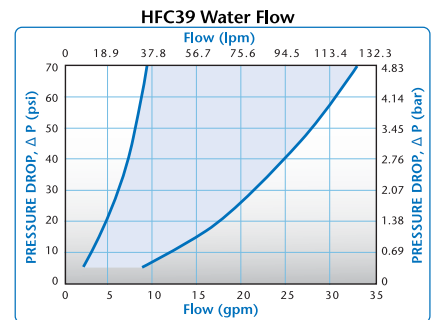
Stop flow and eliminate need for pinch clamps

Audible confirmation of secure connection

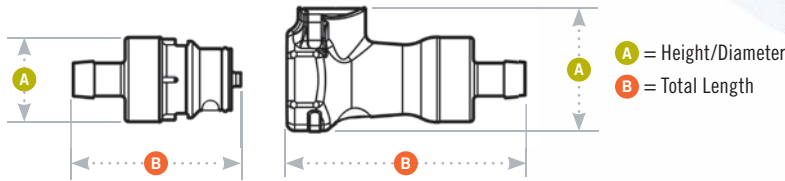
Easy integration with single-use assemblies

Meet BSE/TSE requirements

⚠ These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of the 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.



# HFC39 SERIES DIMENSIONS



## Coupling Bodies • POLYSULFONE



**TERMINATION**  
IN-LINE  
HOSE BARB

TUBING SIZE	METRIC EQ.	FLOW	SHUTOFF	A	B
1/4" ID	6.4mm ID	1/4"	HFCD17439M	1.44 (36.6)	2.82 (71.6)
3/8" ID	9.5mm ID	3/8"	HFCD17639M	1.44 (36.6)	2.82 (71.6)
1/2" ID	12.5mm ID	1/2"	HFCD17839M	1.44 (36.6)	2.82 (71.6)

## Coupling Inserts • POLYSULFONE



**TERMINATION**  
IN-LINE  
HOSE BARB

TUBING SIZE	METRIC EQ.	FLOW	STRAIGHT THRU	SHUTOFF	A	B
1/4" ID	6.4mm ID	1/4"	HFC22439M	HFCD22439M	1.00 (25.4)	2.02 (51.3)
3/8" ID	9.5mm ID	3/8"	HFC22639M	HFCD22639M	1.00 (25.4)	2.02 (51.3)
1/2" ID	12.5mm ID	1/2"	HFC22839M	HFCD22839M	1.00 (25.4)	2.02 (51.3)

## Mating Parts



SEALING CAP	O-RING	MATERIAL	A	B
HFC32039		Polysulfone	1.44 (36.6)	2.73 (69.3)
SEALING PLUG				
HFC30039M	Silicone Seal USP Class VI	Polysulfone	1.00 (25.4)	1.81 (46.0)

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

For validation reports,  
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and for extractables data  
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