HFC DISCONNECT
SERIES CONNECTORS

HFC Disconnects enable sterile disconnection of single-use biopharma and cell and gene therapy manufacturing systems. With an easy push of the connector thumb latch, sterility is maintained on both sides of the system during the disconnection process. The HFC Disconnect sets include protective thumb latch covers to help reduce the chance of accidental disconnection, and are laser marked with item and lot number for complete batch traceability.

SPECIFICATIONS

OPERATING PRESSURE
Up to 75 psi, 5.17 bar

OPERATING TEMPERATURE
34° F to 104° F (1° C to 40°C)

STERILIZATION
Gamma: Up to 50 kGy irradiation
or
Autoclave: Up to 270°F (132°C), 60 minutes, one cycle

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

MATERIALS
Main components:
Polysulfone (amber tint)
O-rings: Silicone (clear), platinum-cured
Flow Path Springs: Alloy C-276

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.

Scan code to visit webpage

SCAN

cpcworldwide.com/HFC-Disconnect

FEATURES	BENEFITS
Intuitive one-step disconnection process	No requirement for additional equipment to make sterile disconnection
Automatic shutoff valves	Stop flow and eliminate need for pinch clamps
Protective thumb latch cover	Guard against accidental disconnects
Laser etched item number and lot number	Full traceability to raw material source
Alloy C-276 internal flow path spring	Enabling broader application compatibility

TYPICAL FLOW RATE

Cv Value Range: 0.7-1.9
for HFC Disconnect

Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

NOTE

Validation and Extractables data can be requested at cpcworldwide.com/HFC-Disconnect

DID YOU KNOW

The HFC Disconnect is great for post-use filter integrity testing (e.g. bubble point testing).

CPC
A DOVER COMPANY

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HFC DISCONNECT SERIES DIMENSIONS

COUPLING SETS - Polysulfone

TERMINATION	METRIC EQ.	PART NO.	A	B
1/4" HOSE BARB	6.4 mm ID	HFCD39SET4HC	1.54" (39.1 mm)	3.71" (94.3 mm)
3/8" HOSE BARB	9.5 mm ID	HFCD39SET6HC	1.54" (39.1 mm)	3.71" (94.3 mm)
1/2" HOSE BARB	12.5 mm ID	HFCD39SET8HC	1.54" (39.1 mm)	4.29" (109 mm)

COUPLING BODIES - Polysulfone

TERMINATION	METRIC EQ.	PART NO.	A	B
1/4" HOSE BARB	6.4 mm ID	HFCD17439MHC	1.44" (36.6 mm)	2.78" (70.6 mm)
3/8" HOSE BARB	9.5 mm ID	HFCD17639MHC	1.44" (36.6 mm)	2.78" (70.6 mm)
1/2" HOSE BARB	12.5 mm ID	HFCD17839MHC	1.44" (36.6 mm)	3.07" (78.0 mm)

COUPLING INSERTS - Polysulfone

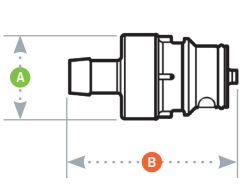
TERMINATION	METRIC EQ.	PART NO.	A	B
1/4" HOSE BARB	6.4 mm ID	HFCD22439MHC	1.00" (25.4 mm)	2.00" (50.8 mm)
3/8" HOSE BARB	9.5 mm ID	HFCD22639MHC	1.00" (25.4 mm)	2.00" (50.8 mm)
1/2" HOSE BARB	12.5 mm ID	HFCD22839MHC	1.00" (25.4 mm)	2.29" (58.2 mm)

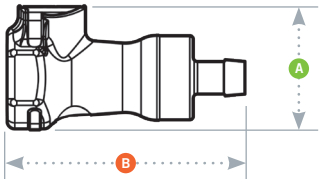
MATING PARTS

PART	PART NO.	A	B
SEALING CAP	HFC32039	1.44" (36.6 mm)	2.73" (69.3 mm)
SEALING PLUG	HFC30039M	1.00" (25.4 mm)	1.80" (45.7 mm)

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.

PRODUCT DIMENSIONS





A = Height/Diameter
B = Total Length