

HFC12 SERIES CONNECTOR



HFC12 Series couplings have flow comparable to many 1/2" flow couplings in a 3/8" body size. Compact and lightweight, HFC couplings replace bulky and heavy brass ball-and-sleeve couplings in a wide range of applications. An ergonomic design and a large, shrouded thumb latch pad produce a coupling that is easy to grip and simple to operate. An efficient valve design leads to high flow and low spillage.

FEATURES

High efficiency valve
Ergonomic design
Polypropylene material
Compatible

BENEFITS

More flow in a compact size
Easy to grip, simple to operate
Chemically resistant and gamma sterilizable
Mates with CPC HFC35 Series couplings

Specifications

PRESSURE:

Vacuum to 60 psi, 4.2 bar

TEMPERATURE:

32°F to 160°F (0°C to 71°C)

MATERIALS:

Main components and valves: Polypropylene

Thumb latch: Polypropylene

Valve spring (wetted): 316 stainless steel

External springs: 316 stainless steel

O-rings: EPDM

Panel mount gasket: EPDM

Compression nut, gripper, ferrule: Polypropylene

COLOR: Gray with dark gray latch

TUBING SIZES:

3/8" to 3/4" ID, 9.5mm to 19.0mm ID

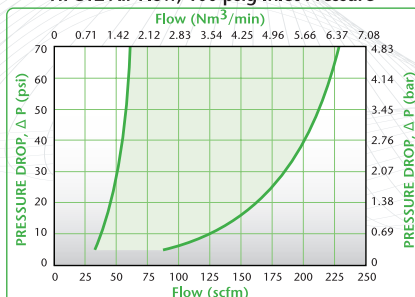
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

For compression termination specifications: 3/8" OD or 1/2" OD, +0.010/-0.000

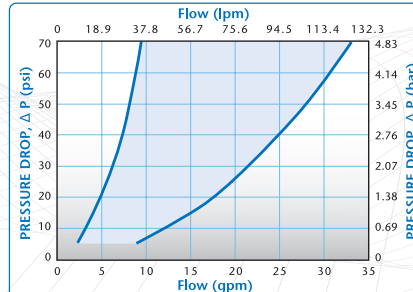
Note: Optional o-ring and spring materials are available, please contact CPC for details.

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.

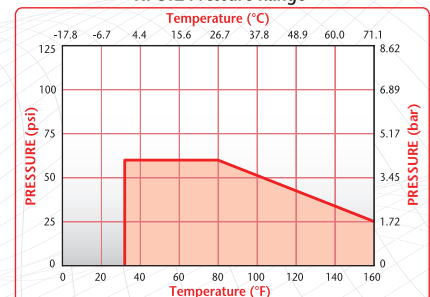
HFC12 Air Flow, 100 psig Inlet Pressure



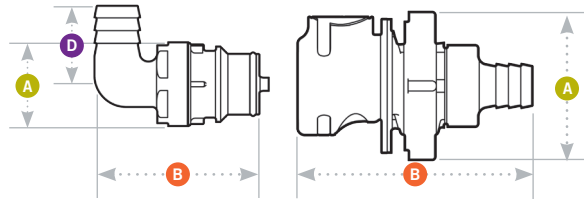
HFC12 Water Flow



HFC12 Pressure Range



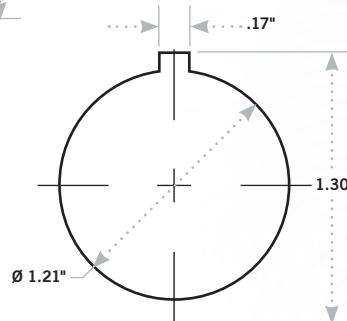
HFC12 DIMENSIONS



- A = Height/Diameter
- B = Total Length
- D = Elbow Radial Length

Panel Dimensions

	PANEL OPENING	PANEL THICKNESS MAX. - MIN.
COUPLING BODIES	see drawing	.25 - .03



Gasket Thickness: .06"
Mounting Hole: 1.21" diameter
Coupling Spacing: 1.92" minimum

Coupling Bodies • POLYPROPYLENE



TERMINATION IN-LINE PIPE THREAD

TUBING/THREAD SIZE METRIC EQ.

NSF PN

STANDARD PN

A

B

3/8" NPT		63400	HFC10612 NSF	1.44	2.69
3/8" NPT		63300	HFCD10612 NSF	1.44	2.69
1/2" NPT		61200	HFC10812 NSF	1.44	2.88
1/2" NPT		62800	HFCD10812 NSF	1.44	2.88
3/4" NPT		63500	HFC101212 NSF	1.44	3.07

BULKHEAD PANEL MOUNT HOSE BARB

3/4" NPT

61800

HFCD101212 NSF

1.44

3.07

BULKHEAD PANEL MOUNT COMPRESSION

3/8" ID	9.5mm ID	63800	HFC16612 NSF	1.82	2.82
3/8" ID	9.5mm ID	62600	HFCD16612 NSF	1.82	2.82
1/2" ID	12.7mm ID	63900	HFC16812 NSF	1.82	2.82
1/2" ID	12.7mm ID	60300	HFCD16812 NSF	1.82	2.82
3/4" ID	19.0mm ID	62000	HFCD161212 NSF	1.82	2.94

IN-LINE HOSE BARB

3/8" ID	9.5mm ID	63600	HFC17612 NSF	1.44	2.79
3/8" ID	9.5mm ID	60600	HFCD17612 NSF	1.44	2.79
1/2" ID	12.7mm ID	61500	HFC17812 NSF	1.44	2.79
1/2" ID	12.7mm ID	60700	HFCD17812 NSF	1.44	2.79
5/8" ID	15.9mm ID	64900	HFCD171012 NSF	1.44	2.94
3/4" ID	19.0mm ID	63700	HFC171212 NSF	1.44	2.94
3/4" ID	19.0mm ID	61900	HFCD171212 NSF	1.44	2.94

Coupling Inserts • POLYPROPYLENE



TERMINATION IN-LINE PIPE THREAD

TUBING/THREAD SIZE METRIC EQ.

NSF PN

STANDARD PN

A

B

D

3/8" NPT		62500	HFC24612 NSF	1.16	1.77	
3/8" NPT		60500	HFCD24612 NSF	1.16	1.89	
1/2" NPT		64000	HFC24812 NSF	1.16	1.95	
1/2" NPT		64000	HFCD24812 NSF	1.16	2.07	
3/4" NPT		62100	HFCD241212 NSF	1.23	2.26	

IN-LINE HOSE BARB

3/8" ID	9.5mm ID	65500	HFC22612 NSF	1.00	1.97	
3/8" ID	9.5mm ID	62700	HFCD22612 NSF	1.00	2.09	
1/2" ID	12.7mm ID	61300	HFC22812 NSF	1.00	1.97	
1/2" ID	12.7mm ID	61400	HFCD22812 NSF	1.00	2.09	
5/8" ID	15.9mm ID	65100	HFCD221012 NSF	1.00	2.13	
3/4" ID	19.0mm ID	62200	HFCD221212 NSF	1.00	2.26	

ELBOW HOSE BARB

3/8" ID	9.5mm ID	65200	HFC23612 NSF	1.00	1.93	.93
3/8" ID	9.5mm ID	61100	HFCD23612 NSF	1.00	2.05	.93
1/2" ID	12.7mm ID	64400	HFC23812 NSF	1.00	1.97	.93
1/2" ID	12.7mm ID	61000	HFCD23812 NSF	1.00	2.09	.93
3/4" ID	19.0mm ID	65400	HFC231212 NSF	1.00	1.95	.93
3/4" ID	19.0mm ID	65300	HFCD231212 NSF	1.00	2.07	.93

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