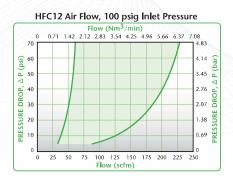
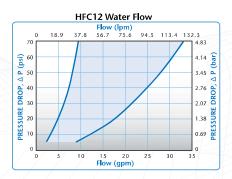
HFC12 SERIES CONNECTOR



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 | BENEFITS | | | | | |
|------------------------|---|--|--|--|--|--|
| High efficiency valve | More flow in a compact size | | | | | |
| Ergonomic design | Easy to grip, simple to operate | | | | | |
| Polypropylene material | Chemically resistant and gamma sterilizable | | | | | |
| Compatible | Mates with HFC35 and HFC57 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

0-rings: EPDM

Panel mount gasket: EPDM Compression nut, gripper, ferrule:

Polypropylene

COLOR: Gray with dark gray latch

TUBING SIZES:

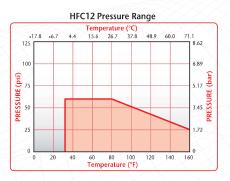
3/8" to 3/4" ID. 9.5mm to 19.0mm ID

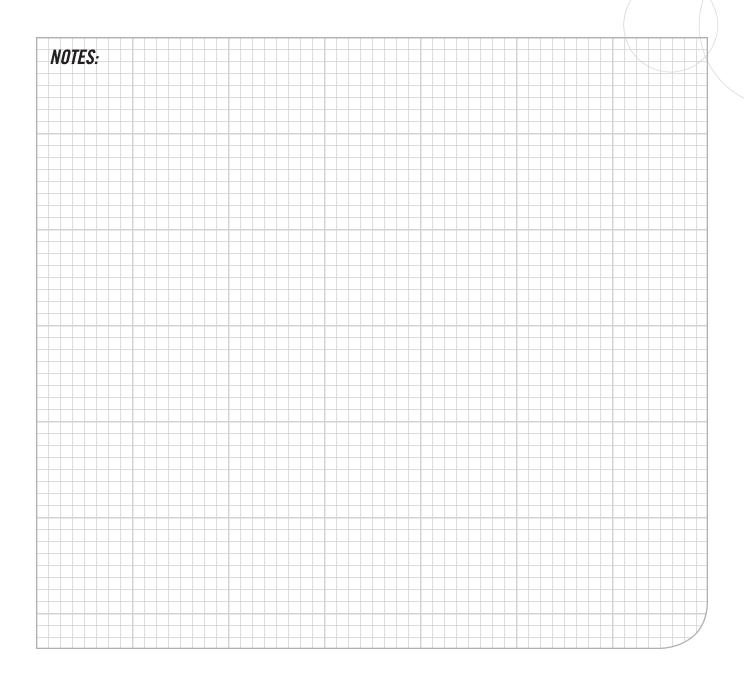
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

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

> o-ring and spring please contact CPC for

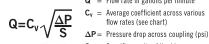
These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of each graph represents the operating range of the product family, i.e., upper and lower values are shown. Therefore, depending on the exact coupling configurations selected, you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





Liquid Flow Rate Information for Couplings

The chart below shows the flow rate for CPC couplings. Each coupling was tested with water at 70°F (21°C). To determine flow rates for specific coupling configurations use the formula at the right.

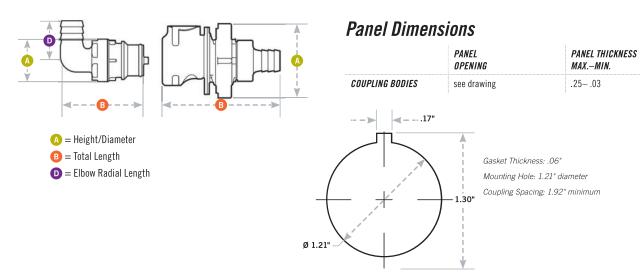


- ${f Q}~=~{\sf Flow}$ rate in gallons per minute
- **ΔP**= Pressure drop across coupling (psi)
- S = Specific gravity of liquid

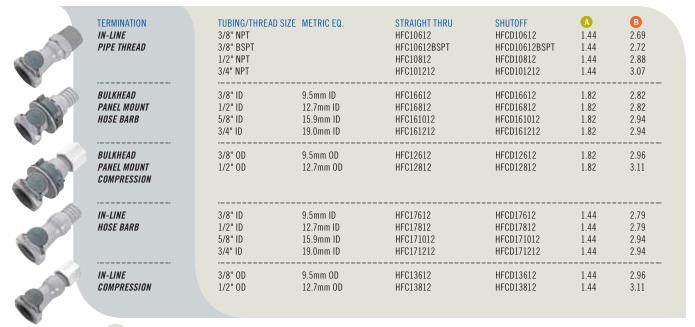
| C _v VALUES | FOR | HFC12 | COUP | LINGS |
|-----------------------|-----|-------|------|-------|
| | | | | |

| INSERTS BODIES | HFC 22612 | HFCD 22612 | HFC 22812 | HFCD 22812 | HFC 23612 | HFCD 23612 | HFC 23812 | HFCD 23812 | HFC 24612 | HFCD 24612 | HFC 24812 | HFCD 24812 | HFCD 221212 | HF0 22121: |
|----------------|-----------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|----------------|---------------|
| HFCD10612 | 1.27 | 1.27 | 1.62 | 1.51 | 1.14 | 1.14 | 1.46 | 1.36 | 1.80 | 1.58 | 1.70 | 1.65 | - | - |
| HFCD10812 | 1.28 | 1.34 | 1.62 | 1.51 | 1.15 | 1.24 | 1.46 | 1.36 | 1.81 | 1.54 | 1.72 | 1.56 | - | - |
| HFCD16612 | 1.07 | 1.00 | 1.17 | 1.14 | 0.96 | 0.90 | 1.05 | 1.03 | 1.33 | 1.26 | 1.30 | 1.24 | - | - |
| HFCD16812 | 1.25 | 1.23 | 1.61 | 1.52 | 1.13 | 1.11 | 1.45 | 1.37 | 1.79 | 1.60 | 1.68 | 1.56 | - | - |
| HFCD17612 | 1.07 | 1.00 | 1.17 | 1.14 | 0.96 | 0.90 | 1.05 | 1.03 | 1.33 | 1.26 | 1.30 | 1.24 | - | - |
| HFCD17812 | 1.25 | 1.23 | 1.61 | 1.52 | 1.13 | 1.11 | 1.45 | 1.37 | 1.79 | 1.60 | 1.68 | 1.56 | - | - |
| HFC171212 | - | - | | | | X | V X - X | | - | - | - \ | - | 3.94 | - |
| HFCD171212 | - | - | - | | ///-/ | | | | - | - | _ | - | - | 2.04 |

HFC12 DIMENSIONS



Coupling Bodies • POLYPROPYLENE



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

Accessories

visit our website for part number information.

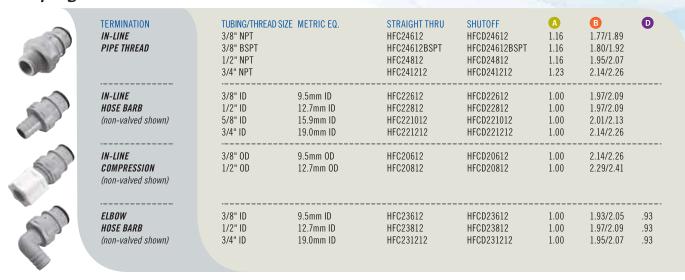


PANEL MOUNT GASKET REPLACEMENT: For sealing panel mount bodies listed above

MATERIAL EPDM

PART NO. 621200

Coupling Inserts • POLYPROPYLENE



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

DID YOU KNOW?

WHEN SELECTING A VALVED COUPLING FOR YOUR APPLICATION, make sure to order a part number with a D just before the numeric portion of the part number. For example, HFC101212 does not have a shutoff valve; HFCD101212 would be the correct part number to order for a valved coupling.

To visually identify a part to determine whether or not it is valved, disconnect the coupling body and insert, and then look through the part. If you can see light all the way through, your part is non-valved. If there is anything obstructing the light, you probably have a valved part. Please contact Customer Service at 1-800-444-2474 or 651-645-0091 if you need further assistance.