

HFC SERIES



Actual size

HFC35 Series polysulfone couplings are able to withstand demanding applications and feature physical strength, chemical resistance and autoclavability.

HFC57 Series polysulfone couplings are UV resistant and able to withstand continued exposure to harmful UV rays without affecting performance.

Both can operate in harsh environments in temperatures from -40°F to 280°F (-40°C to 138°C) and pressures from vacuum to 125 psi (8.6 bar). 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 exceptionally low spillage. Both series also add bulkhead panel mount, garden hose thread and Hastelloy® C spring options.

Features	Benefits
Polysulfone (HFC35)	Physically strong and autoclavable
UV Polysulfone (HFC57)	Physically strong and UV resistant
High efficiency valve	More flow and less spillage in a compact size
Ergonomic design	Easy to grip, simple to operate
Compatible	Mates with HFC12 couplings

Specifications

Pressure:
Vacuum to 125 psi, 8.6 bar

Temperature:
-40°F to 280°F (-40°C to 138°C)

Materials:
Main components and valves:
 HFC35 - Polysulfone
 HFC57 - UV-resistant polysulfone
Thumb latch:
 HFC35 - Polysulfone
 HFC57 - UV-resistant polysulfone
Valve spring: 316 stainless steel
External springs: 316 stainless steel
O-rings: EPDM
Panel mount gasket: EPDM
Female GHT gasket: FDA EPDM

Colors:
 HCF35 - Natural white, dark gray latch
 HCF57 - Black, black latch

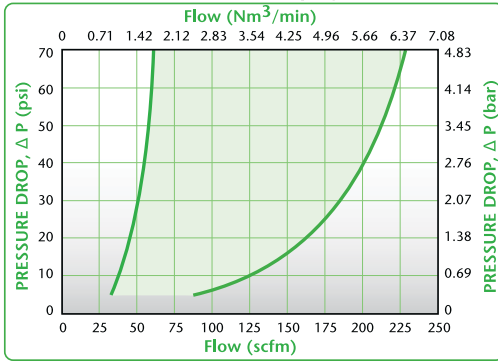
Tubing Sizes:
 3/8" to 3/4" ID, 9.5mm to 19.0mm ID

WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of Colder products in their own application conditions. Use the graphs on the following page as a guide.

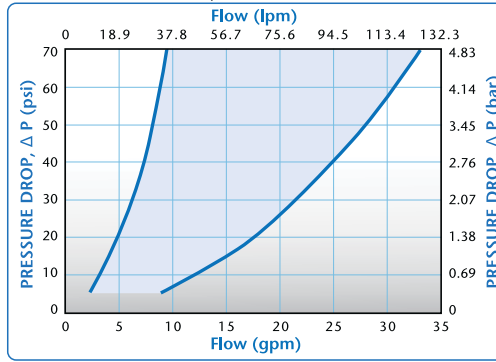
Also available in NSF listed versions, please visit our web site for part number information



HFC35/57 Air Flow, 100 psig Inlet Pressure

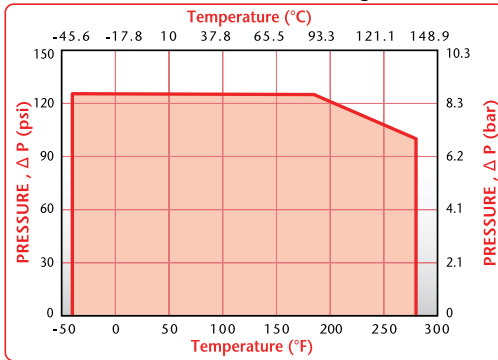


HFC35/57 Water Flow



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.

HFC35/57 Pressure Range



Don't forget: you can always visit www.colder.com for more product information.



DID YOU KNOW ...

When specifying products with pipe thread terminations, don't forget to consult Colder's white paper on NPT pipe threads.

Visit the TECHNICAL section of www.colder.com.



DID YOU KNOW ...

the HFC57 Series polysulfone couplings are UV-resistant and able to withstand continued exposure to harmful rays without affecting performance?

These couplings offer all the same features as our HFC12 and HFC35 Series with the added advantage of UV-resistance to protect the strength and durability of your fluid connections. Use the HFC57 couplings in outdoor applications such as watercraft, lawn irrigation systems and solar heating on roofs and decks where a connector is subjected to the harsh rays of the sun.