

The 9/32" flow EFC12 Series couplings feature a high efficiency valve design that provides a greater flow capability than any other coupling its size. Chemically resistant polypropylene material makes it ideal for harsh environments. The EFC12 Series adds a bulkhead panel mount option for tight seals against tank walls and drums.

FEATURES BENEFITS

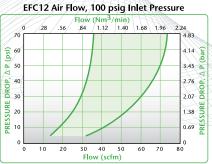
High efficiency valve More flow than PLC Series in a compact size

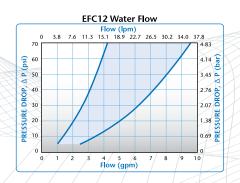
Plastic thumb latch Fewer moving parts

Polypropylene material Chemically resistant and gamma sterilizable

Compatible Mates with most APC couplings

EFC12 Air Flow, 100 psig Inlet





Specifications • • •

PRESSURE:

Vacuum to 105 psi, 7.2 bar

TEMPERATURE:

32°F to 160°F (0°C to 71°C)

MATERIALS:

Main components and valves: Polypropylene

Thumb latch: Polypropylene
Valve spring: 316 stainless steel
Panel mount gasket: EPDM

External springs: 302 stainless steel

0-rings: EPDM

COLOR:

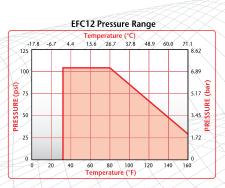
Gray with dark gray latch

TUBING SIZES:

1/4" and 3/8" ID, 6.4mm and 9.5mm 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.a

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.

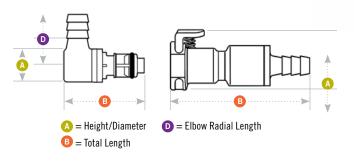


- Q = Flow rate in gallons per minute
- Average coefficient across various flow rates (see chart)
- **∆P**= Pressure drop across coupling (psi)
- = Specific gravity of liquid

C _v \	VALU	ES I	FOR	EFC12	COUPL	.INGS
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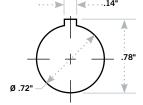
	EFC12 20004	EFCD12 20004	EFC12 20006	EFCD12 20006	EFC12 22004	EFCD12 22004	EFC12 22006	EFCD12 22006	EFC12 24004	EFCD12 24004
BODIES INSERTS	20004	20004	20000	20000	22004	22004	22000	22000	24004	24004
EFCD10412	0.51	0.51	0.51	0.51	0.50	0.45	0.50	0.50	0.51	0.51
EFCD10612	0.61	0.51	1.13	0.72	0.50	0.45	0.81	0.69	0.51	0.72
EFCD16412	0.51	0.51	0.51	0.51	0.50	0.45	0.50	0.50	0.51	0.51
EFCD16612	0.61	0.51	1.13	0.72	0.50	0.45	0.81	0.69	0.51	0.72
EFCD17412	0.51	0.51	0.51	0.51	0.50	0.45	0.50	0.50	0.51	0.51
EFCD17612	0.61	0.51	1.13	0.72	0.50	0.45	0.81	0.69	0.51	0.72

EFC12 DIMENSIONS



Panel Dimensions

	PANEL OPENING	PANEL THICKNESS MAXMIN.	PANEL NUT HEX	PANEL NUT THREAD
COUPLING BODIES	see drawing	.25 — .03	13/16	11/16-24UNF
1 1				



EFC Series Gasket Thickness: .06" Mounting Hole: .720" diameter Coupling Spacing: 1.25" min. Greenlee® 720 Keyway Punch and 730BB-3/4 Hole Punch.

Coupling Bodies • POLYPROPYLENE



Coupling Inserts • POLYPROPYLENE

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



Accessories

 DESCRIPTION
 MATERIAL
 PART NO.

 PANEL MOUNT GASKET REPLACEMENT
 For sealing panel mount bodies listed above
 Buna-N
 1830300