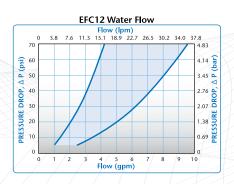
EFC12 SERIES CONNECTOR



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

EFC12 Air Flow, 100 psig Inlet Pressure 3.45 40 2.76 ORO 30 2.76 ON O PRESSURE 88°1 20 50



Mates with most APC couplings

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

O-rings: EPDM

COLOR:

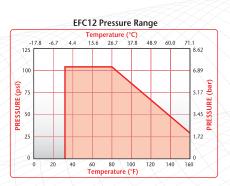
Gray with dark gray latch

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.



Compatible

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.

 $Q=C_v\sqrt{\frac{\Delta P}{S}}$

Q = Flow rate in gallons per minute

 Average coefficient across various flow rates (see chart)

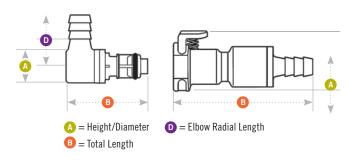
 ΔP = Pressure drop across coupling (psi)

= Specific gravity of liquid

C_v VALUES FOR EFC12 COUPLINGS

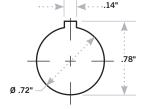
BODIES	EFC 2000412	EFCD 2000412	EFC 2000612	EFCD 2000612	EFC 2200412	EFCD 2200412	EFC 2200612	EFCD 2200612	EFC 2400412	EFCD 2400412
EFCD10412	0.51	0.51	0.51	0.51	0.50	0.45	0.50	0.50	0.51	0.51
EFCD10612	0.61	0.51	1.13	0.72	0.50	0.45	0.81	0.69	0.51	0.72
EFCD16412	0.51	0.51	0.51	0.51	0.50	0.45	0.50	0.50	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	PANEL THICKNESS	PANEL	PANEL NUT
	OPENING	MAXMIN.	NUT HEX	THREAD
COUPLING BODIES	see drawing	.25 – .03	13/16	11/16-24UNF



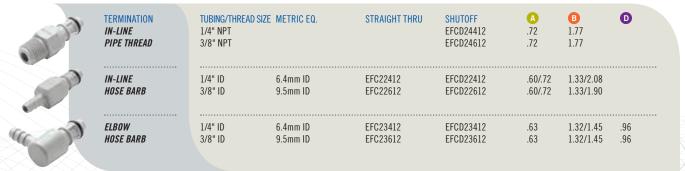
EFC Series
Gasket Thickness: .06"
Mounting Hole: .720" diameter
Coupling Spacing: 1.25" min.
Greenlee® 720 Keyway Punch and
730BB-3/4 Hole Punch.

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