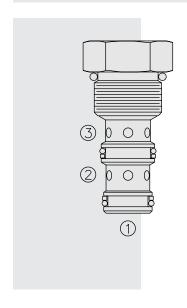
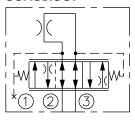
FR10-32F Flow Regulator, Fixed Orifice,



SYMBOLS

USASI/ISO:



PERFORMANCE (Cartridge Only)

Regulated Flow vs. Pressure Drop ② to ③ or ③ to ②

1, 3 and 5 gpm settings shown
32 cSt/150 ssu oil at 40°C

22.7/6

18.9/5

15.1/4

7.6/2

3.8/1

PRESSURE DROP bar/psi

DESCRIPTION

A screw-in, cartridge-style, pressure-compensated, fixed orifice, bi-directional, restrictive-type flow control valve.

OPERATION

The FR10-32F maintains a constant flow rate regardless of pressure drop across the valve and regardless of flow direction: from port ② to port ③ or from port ③ to port ②. Port ① should be blocked.

FEATURES

- Hardened seat for long life and low leakage.
- Excellent linearity and hysteresis.
- · Industry common cavity.

RATINGS

Operating Pressure: Inlet: 240 bar (3500 psi)

Flow Settings: 2.0 to 19.0 lpm (0.5 to 5 gpm); see performance chart Internal Leakage: 0.38 ml/minute (0.10 gpm/minute) maximum

Temperature: -40 to 120°C with Buna N seals

Filtration: See page 9.010.1

Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus); See Temperature and Oil Viscosity, page 9.060.1

Installation: No restrictions; See page 9.020.1

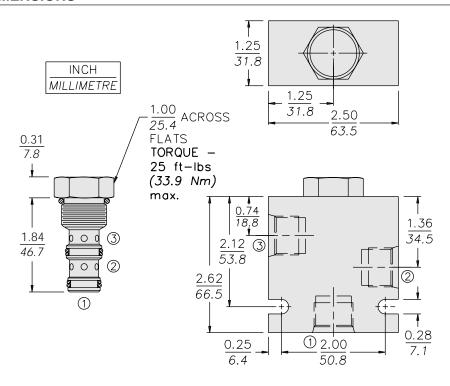
Cavity: VC10-3; See page 9.110.1

Cavity Tool: CT10-3XX; See page 8.600.1 Seal Kit: SK10-3X-MM; See page 8.650.1

Bi-Directional

FR10-32F

DIMENSIONS

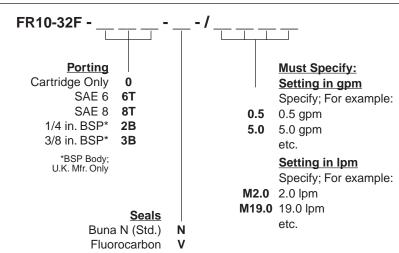


MATERIALS

Cartridge: Weight: 0.30 kg. (0.68 lbs.) Steel with hardened work surfaces. Zinc-plated exposed surfaces. Buna N O-rings and polyester elastomer back-ups standard.

Standard Ported Body: Weight: 0.36 kg. (0.80 lbs.) Anodized highstrength 6061 T6 aluminum alloy, rated to 207 bar (3000 psi). Ductile iron bodies available; dimensions may differ. See page 8.010.1

TO ORDER



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