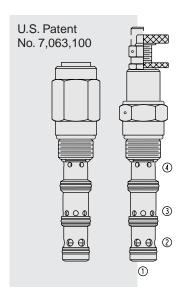
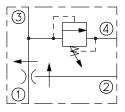
FRRV12-41F Priority Flow Regulator . . .



SYMBOLS

USASI/ISO:



DESCRIPTION

A screw-in, cartridge-style, multi-function valve which includes a fixed-compensated, priority-type flow regulator and an adjustable pressure relief valve in one cartridge.

OPERATION

The FRRV12-41F maintains a constant flow rate from port ③ regardless of load pressure changes at priority port ③ or bypass port ②. When load pressure at ③ reaches the setting of the relief valve, flow is dumped over the relief at ④. The exit flow from the relief can be connected to tank or to the bypass flow. Note: Back pressure at port ④ is directly additive to the relief setting.

FEATURES

- Two valve functions in one, industry-common cavity.
- Adjustments cannot be backed out of the valve.
- Relief valve adjustments prohibit relief valve spring from going solid.
- Quiet, modulated response.
- · Hardened parts for long life.

RATINGS

Maximum Operating Pressure: 207 bar (3000 psi)
Maximum System Pressure: 276 bar (4000 psi)
Priority Flow: 45.4 lpm (12.0 gpm) maximum regulated

Inlet Flow: 75.7 lpm (20.0 gpm) maximum

Relief Valve Pressure Setting Ranges: 17 to 207 bar (250 to 3000 psi)

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

Filtration: See page 9.010.1

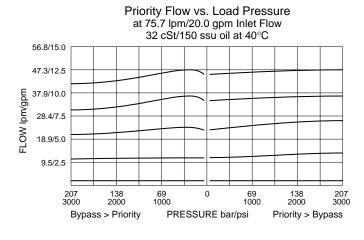
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus); See Temperature and Oil Viscosity, page 9.060.1

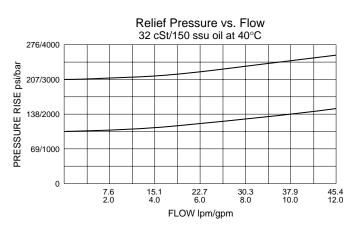
Installation: No restrictions; See page 9.020.1

Cavity: VC12-4; See page 9.112.1

Cavity Tool: CT12-4XX; See page 8.600.1 Seal Kit: SK12-4X-MMM; See page 8.650.1

PERFORMANCE (Cartridge Only)



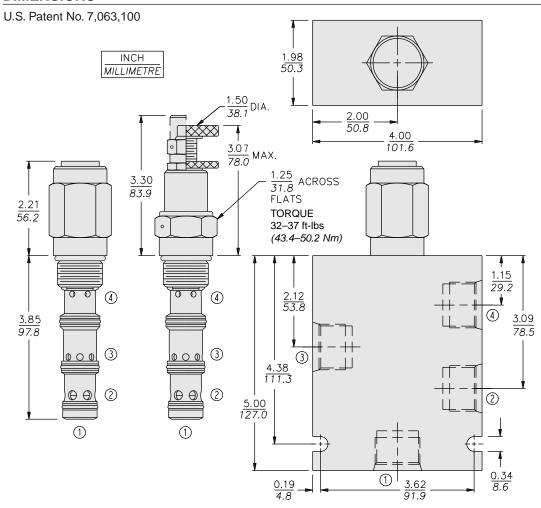




with Built-In Relief Valve

FRRV12-41F

DIMENSIONS



MATERIALS

Cartridge: Weight: 0.43 to 0.48 kg. (0.95 to 1.05 lbs.) depending on option selected. Steel with hardened work surfaces. Zinc-plated exposed surfaces. Buna N O-rings and polyester elastomer back-ups standard. Anodized aluminum knobs and caps.

Standard Ported Body: Weight: 1.50 kg. (3.30 lbs.) Anodized high-strength 6061 T6 aluminum alloy, rated to 207 bar (3000 psi). Ductile iron body required for operation over 207 bar (3000 psi), dimensions may differ. See page 8.010.1

TO ORDER

