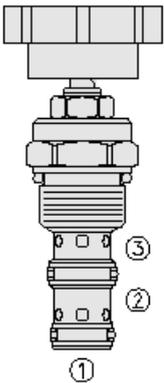




Overview



Description

An adjustable, pressure compensated, flow control valve. It CAN be used as a priority type flow regulator, or a restrictive type, 2-way, flow regulator when the bypass line (port 2) is blocked.

Operation

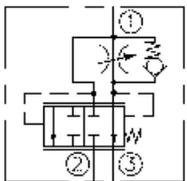
The regulated flow increases from closed to fully open, with counter-clockwise adjustment rotation. The valve will maintain the set flow regardless of pressure variations on the regulated or bypass port.

note: it is intended for use with mineral based or synthetic hydraulic fluids with lubricating properties.

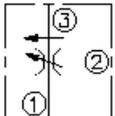
Features

- Bypass port 2 may be fully pressurized.
- Fine low-torque adjustment.
- Hardened steel parts for long life.
- Quiet, modulated response.
- Industry-common cavity.

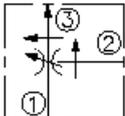
Symbol



2-Ported:



3-Ported:



Ratings

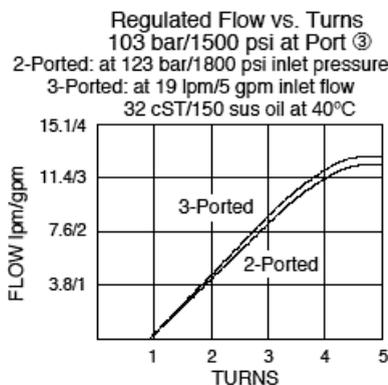
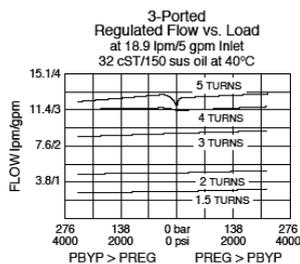
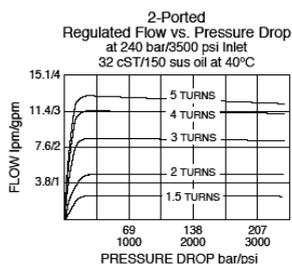
Pressure Ratings

Pressure rating 240 bar (3500 psi)

Flow Ratings

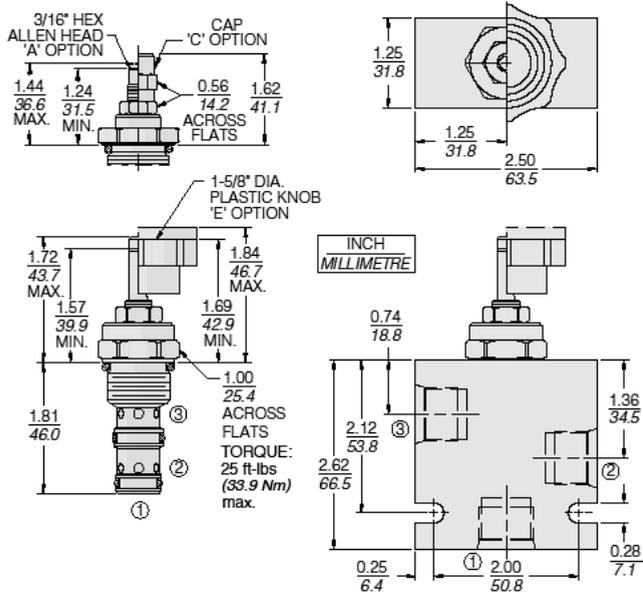
| | | |
|-------------------|----------------------------|----------------------------------|
| Regulated flow | 0 to 12 lpm (0 to 3.2 gpm) | - Note: 2-ported |
| | 0 to 13 lpm (0 to 3.5 gpm) | - Note: 3-ported |
| Inlet flow rating | 0 to 19 lpm (0 to 5 gpm) | - Note: Nominal, 3-ported |
| | 0 to 26 lpm (0 to 7 gpm) | - Note: Maximum, 3-ported |

Performance





Dimensions

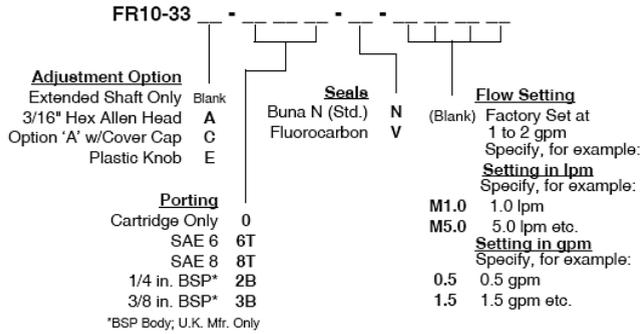


Installation Specifications

| | |
|-------------------------------|---------------------|
| Cavity | VC10-3 |
| Cartridge installation torque | 33.9 N-m (25 ft-lb) |



Order Code



Model Options

FR10-33F-H-J-/T

F Adjustment Option

| CODE | DESCRIPTION |
|-------|-------------------------------------|
| A | 3/16" Hex Allen Head |
| BLANK | Extended Shaft Only |
| C | 3/16" Hex Allen Head with Cover Cap |
| E | Plastic Knob |

H Line Body

| CODE | DESCRIPTION |
|------|----------------------------|
| 0 | No Body |
| 6T | Aluminum SAE 6 |
| 8T | Aluminum SAE 8 |
| 6TD | Ductile Iron SAE 6 |
| 8TD | Ductile Iron SAE 8 |
| 3B | Aluminum BSPP 3/8" (3) |
| 3BD | Ductile Iron BSPP 3/8" (3) |

J Seal

| CODE | DESCRIPTION |
|------|---------------|
| N | Buna-N |
| V | Fluorocarbon |
| P | Polyurethane |
| U | PPDI Urethane |

T Flow setting

| CODE | DESCRIPTION |
|------|--------------|
| XX | Flow setting |