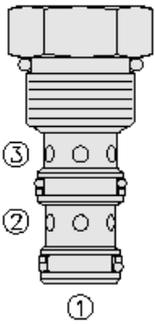




## Overview



### Description

A screw-in, cartridge style, fixed orifice, pressure compensated, bi-directional flow regulating valve (restrictive type). It is a spring biased bi-directional blocking poppet type valve.

### Operation

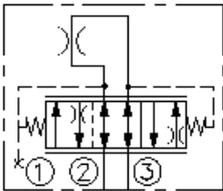
The FR10-32F maintains a constant flow rate regardless of pressure drops across the valve or flow direction from port 2 to 3 or from port 3 to 2. Port 1 should be blocked.

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

### Features

- Hardened seat for long life and low leakage.
- Various adjustment options.
- Excellent linearity and hysteresis.
- Adjustable orifice.
- Bi-directional.
- Industry-common cavity.

### Symbol



## Ratings

### Pressure Ratings

Pressure rating 240 bar (3500 psi)

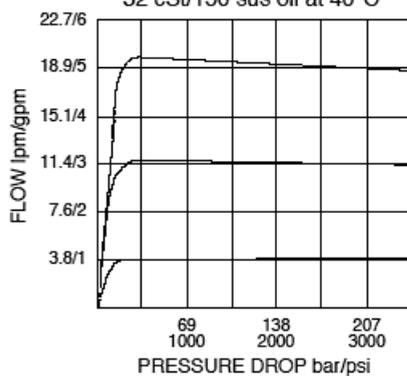
### Flow Ratings

Flow setting 2.0 to 19.0 lpm (0.5 to 5.0 gpm)

## Performance

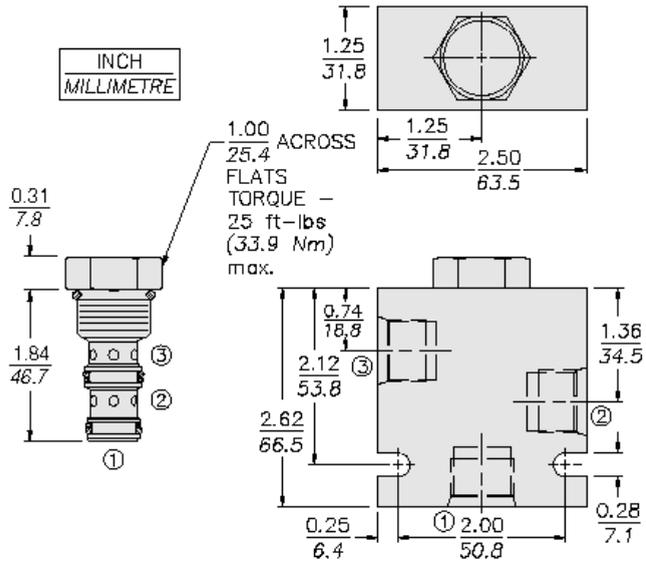
### Regulated Flow vs. Pressure Drop

② to ③ or ③ to ②  
1, 3 and 5 gpm settings shown  
32 cSt/150 sus oil at 40°C





## Dimensions



## Installation Specifications

Cavity	VC10-3
Cartridge installation torque	240 N-m (25 ft-lb)

