# LFR-08

Non-adjustable Pressure-compensated Flow Control Valve

## DESCRIPTION

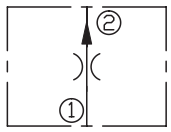
A cartridge-style non-adjustable pressure-compensated flow control valve

## OPERATION

The valve maintains a constant flow rate out of ② regardless of load pressure changes in the circuit downstream of ②. The fixed control orifice is factory preset to customer flow specification.

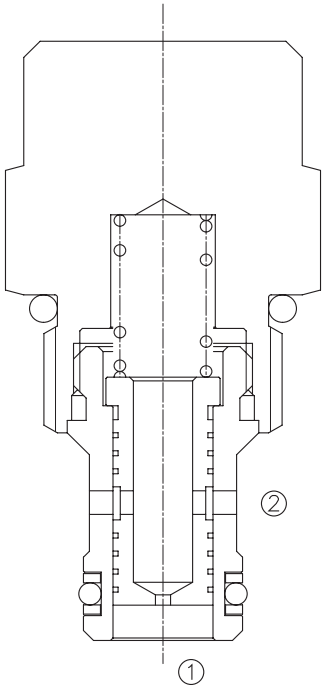
The valve begins to respond to load changes when the flow through the valve creates a pressure differential across the control orifice greater than 5.5 bar, with accurate flow maintenance from 7.6 to 240 bar. Reverse flow( ② to ① )returns through the control orifice and is non-compensated.

## SYMBOL

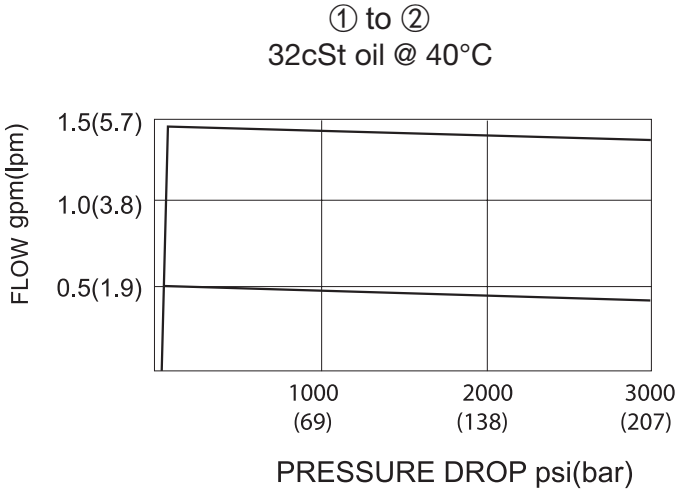



## SPECIFICATIONS

| | |
|---|---|
| Operating Pressure | 250bar |
| Flow Setting | 0.4 l/min. min., 7.5 l/min max. |
| Flow Maintenance Accuracy | 0.2 to 1.8 l/min. settings ±15%; 1.9 to 7.5 l/min. settings ±10% |
| Temperature | -40°F to +250°F(-40°C to +120°C) |
| Filtration | See page N-1 |
| Fluids | Mineral-based fluids with viscosities of 7.4 to 420 cSt. |
| Cavity | 08-2, See page M-1 |
| Housing Material | 6061-T6 aluminum alloy rated to 207bar, Steel & Ductile iron rated to 350bar |




## PRESSURE DROP VS.FLOW



## TO ORDER

**LFR – 08 – * * * * – * *** 1 2 3 4**

**1 Function**
LFR=Non-adjustable Pressure-compensated Flow Control Valve

**2 Size**
08=08 Size

**3 Optional Flow Setting**
(Setting in lpm)
Range:0.4-7.5lpm
Specify, for example:
M2.0 2.0lpm
M5.0 5.0lpm
etc.
(Setting in gpm)
Range:0.1-0.2gpm
Specify, for example:
1.0 1.0gpm
2.0 2.0gpm
etc.

**4 Port Size**
Omit=None
4T=SAE4
6T=SAE6
2G=G 1/4
3G=G 3/8

※See page K-1 for detail of housing
※Other port sizes are available

F

## INSTALLATION DIMENSIONS

Unit=Millimeters