

LTPFR-10-3

Non-adjustable Pressure-compensated Flow Control Valve

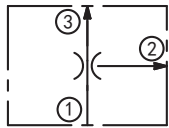
DESCRIPTION

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

OPERATION

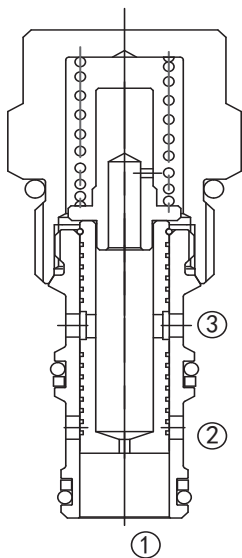
The valve maintains a constant flow rate from ③ regardless of load pressure changes in the system downstream of ③, or in the bypass leg at ②. The valve will pressure compensate once a minimum pressure drop (determined by the fixed spring setting) is achieved from ① to ③. Bypass port ② may be fully pressurized. Flow out of priority port ③ may vary based on input flow amount, particularly with lower temperatures and increased fluid viscosities.

SYMBOL



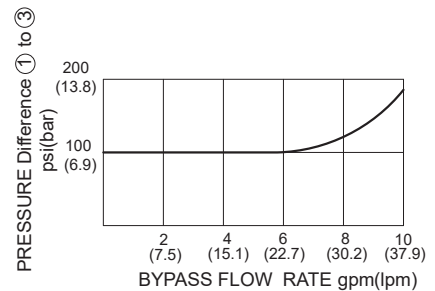
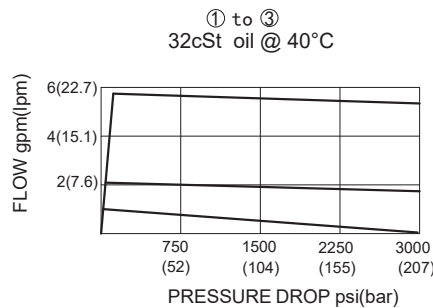
SPECIFICATIONS

Max. Operating Pressure	240bar.
MAX. Input Flow Rate	37.8 l/min.
Flow Maintenance Accuracy	0.4 to 5.9 l/min. setting $\pm 15\%$ 6 to 22.7 l/min. setting $\pm 10\%$
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	10-3, See page M-2
Housing Material	6061-T6 aluminum alloy rated to 207bar, Steel & Ductile iron rated to 350bar

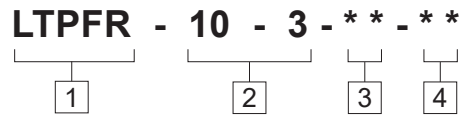


If flow to port ③ is shut off, flow to port ② will be shut off

PRESSURE DROP VS. FLOW



TO ORDER



<p>1 Function LTPFR= Not-adjustable, Non-adjustable Pressure-compensated Flow Control Valve</p>	<p>3 Optional Flow Setting (setting in lpm) Rang:0.4-22.7 lpm specify, for example: M2.8 2.8lpm M5.0 5.0lpm etc.</p>	<p>4 Port Size Omit= None 6T=SAE6 8T=SAE8 2G=G 1/4 3G=G 3/8</p>
<p>2 Size 10-3=10-3 Size</p>		

※See page K-5 for detail of housing
 ※Other port sizes are available

F

INSTALLATION DIMENSIONS

Unit=Millimeters

