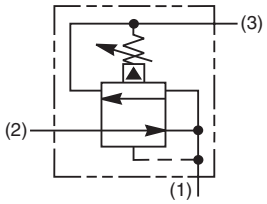
General Description

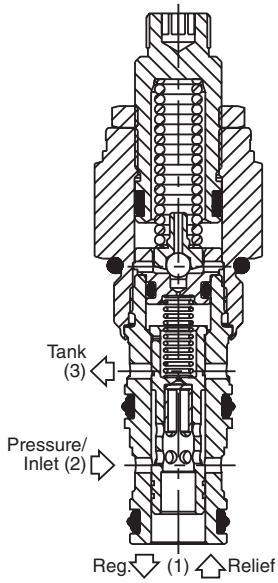
Pilot Operated Pressure Reducing/ Relieving Valve. For additional information see Technical Tips on pages PC3-PC7.

Features

- Hardened, precision ground parts for durability
- Low profile adapter for minimal space requirements
- Fully guided pilot for more consistent reseat
- Steel adapters are zinc plated
- Polyurethane “D”-Ring eliminates backup rings and prevents hydrolysis
- Internal screening protects pilot spring from debris





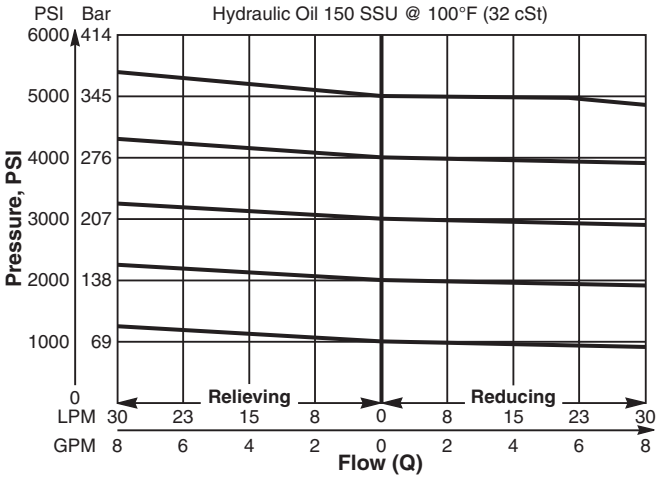


Specifications

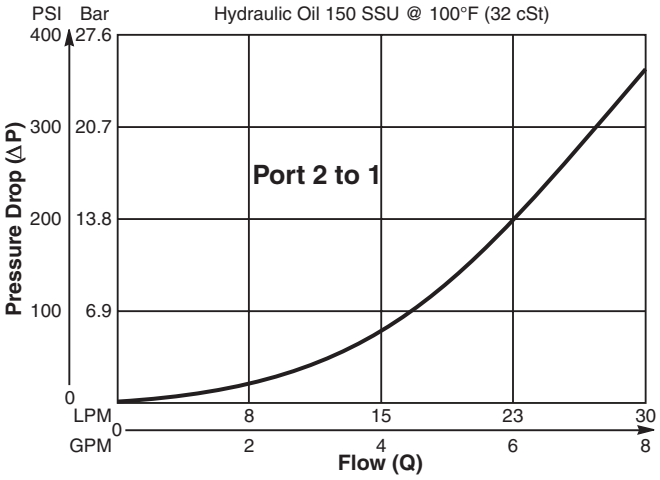
Rated Flow	30 LPM (8 GPM)
Maximum Inlet Pressure	380 Bar (5500 PSI)
Maximum Pressure Setting	350 Bar (5000 PSI)
Sensitivity: Pressure/Turn	**10** 19.6 Bar (285 PSI) **30** 58.9 Bar (859 PSI) **50** 131.7 Bar (1910 PSI)
Maximum Tank Pressure	350 Bar (5000 PSI)
Maximum Drain Flow	0.56 LPM (0.15 GPM)
Cartridge Material	All parts steel. All operating parts hardened steel.
Operating Temp. Range/Seals	-37°C to +93°C (“D”-Ring) (-35°F to +200°F) -34°C to +121°C (Nitrile) (-30°F to +250°F) -26°C to +204°C (Fluorocarbon) (-15°F to +400°F)
Fluid Compatibility/ Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
Filtration	ISO-4406 18/16/13, SAE Class 4
Approx. Weight	0.11 kg (0.25 lbs.)
Cavity	C08-3 (See BC Section for more details)

Performance Curves

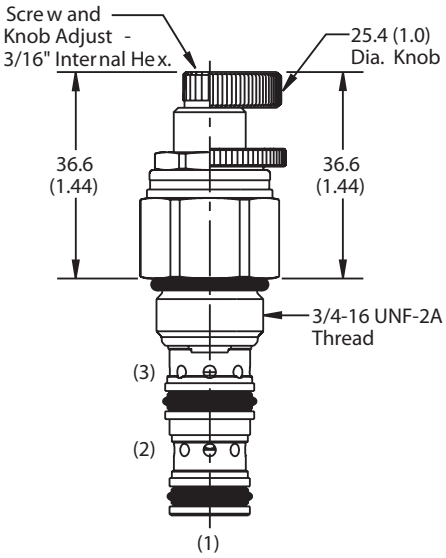
Flow vs. Regulated Pressure (Through cartridge only)



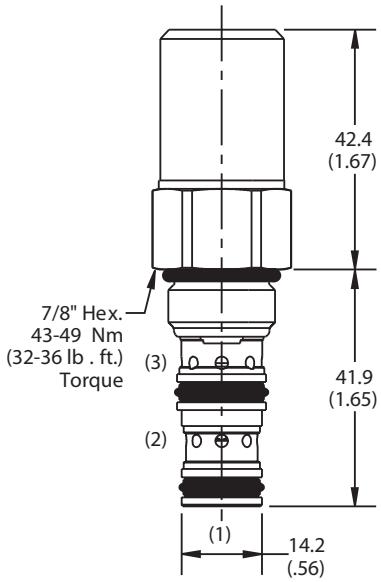
Flow vs. Pressure Drop (Through cartridge only)



Dimensions Millimeters (Inches)



Screw/Knob Version



Tamper Resistant Version

Ordering Information

PRH081	S	
08 Size P.O. Pressure Reducing/Relieving Valve	Adjustment Style	Pressure Range

Highlighted represents preferred options that offer the shortest lead times. Other options may be available, but at extended lead times.

Code	Adjustment Style
S	Screw Adjust

Code	Seals
Omit	D-Ring

Order Bodies Separately
See section BC

B08	–	3	–	6T
08 size		3-Way Cavity		Port Size

Code	Porting / Body Material
6T	SAE-6 / Steel (5000 PSI)

Code	Pressure Range
10	6.9 - 69 Bar (100 - 1000 PSI) Standard Setting: 34.5 Bar (500 PSI)
30	13.8 - 207 Bar (200 - 3000 PSI) Standard Setting: 103.5 Bar (1500 PSI)
50	13.8 - 345 Bar (200 - 5000 PSI) Standard Setting: 172.4 Bar (2500 PSI)

NOTE: For settings below 20.7 Bar (300 PSI), flow rating is limited to 11.3 LPM (3 GPM).

Kit	Part Number
Knob	717784-10
Tamper Resistant Cap	717943
D-Ring Seal	SK08-3
Nitrile Seal	SK08-3
Fluorocarbon Seal	SK08-3V