

General Description

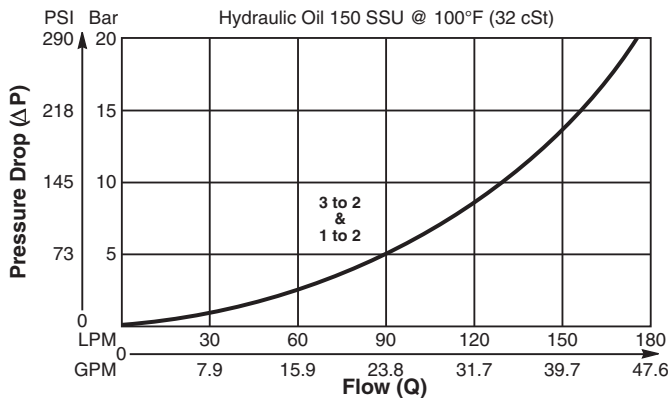
Two Position, Three Way, Spring Centered Shuttle Valve. For additional information see Technical Tips on pages SH1-SH2.

Features

- High flow capacity
- Compact cost effective design
- Various spring options available
- Used in transmission systems as purge valve where hydraulic parking brake is necessary
- Hardened working parts for maximum durability
- All external parts zinc plated

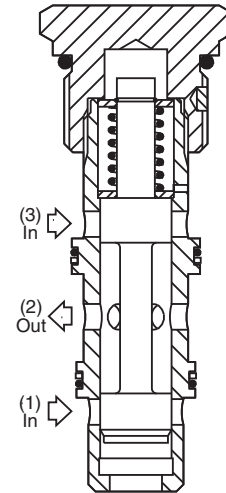
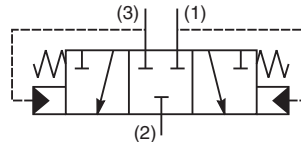
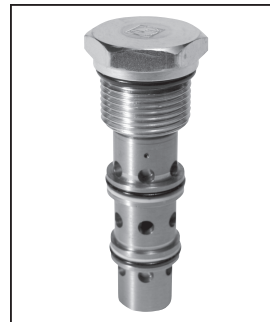
Performance Curve

Pressure Drop vs. Flow (Through cartridge only)

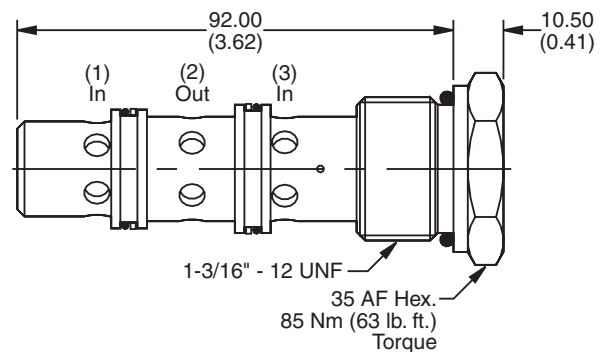


Specifications

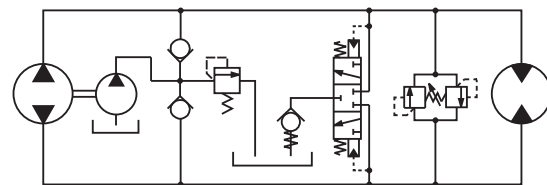
Rated Flow	175 LPM (46 GPM)
Nominal Flow @ 7 Bar (100 PSI)	105 LPM (28 GPM)
Maximum Inlet Pressure	350 Bar (5000 PSI)
Cartridge Material	Steel operating parts, hardened steel poppet.
Operating Temp. Range/Seals	-34°C to +121°C (Nitrile, Buna-N) (-30°F to +250°F) -26°C to +204°C (Fluorocarbon) (-15°F 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	.32 kg (.70 lbs.)
Cavity	3U (See BC Section for more details)



Dimensions Millimeters (Inches)



Application



Purge valve in transmissions with hydraulic parking brake

Ordering Information

K3A125 —
 Shuttle Valve Switching Pressure Seals

Code	Switching Pressure
1.0	1.0 Bar (15 PSI) Std.
9.0	9.0 Bar (130 PSI)

Code	Seals / Kit No.
N	Nitrile, Buna-N / (SK30040N-1)
V	Fluorocarbon / (SK30040V-1)

Order Bodies Separately

LB10
 Line Body Porting Body Material

Code	Porting
093	1" SAE

Code	Body Material
A	Aluminum
S	Steel