

CV Check Valves
SH Shuttle Valves
LM Load/Motor Controls
FC Flow Controls
PC Pressure Controls
LE Logic Elements
DC Directional Controls
MV Manual Valves
SV Solenoid Valves
PV Proportional Valves
CE Coils & Electronics
BC Bodies & Cavities
TD Technical Data

General Description

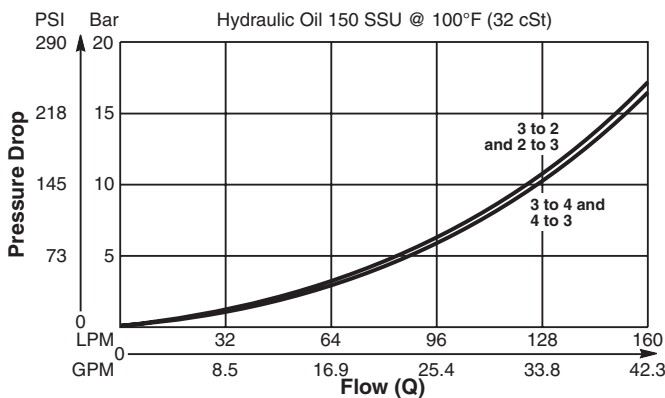
Pilot Operated Directional Valve, 3-Way, 2 Position, External Drain, Open Transition.

Features

- High flow capacity
- Used as high flow switching or metering element
- Range of spring settings available
- All external parts zinc plated

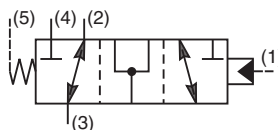
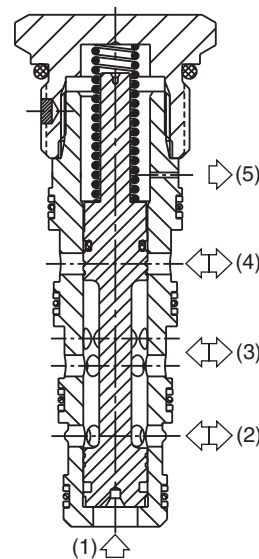
Performance Curve

Pressure Drop vs. Flow (Through cartridge only)

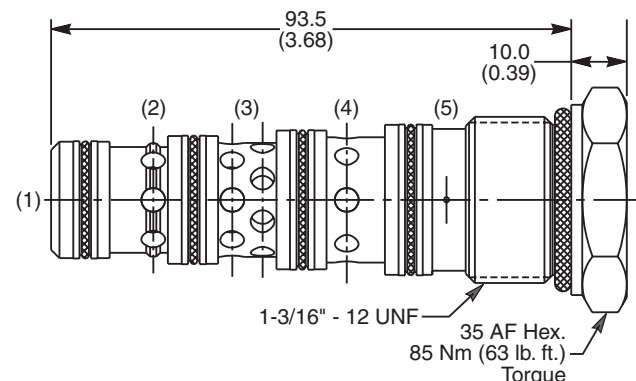


Specifications

Rated Flow	160 LPM (42.3 GPM)
Nominal Flow @ 7 Bar (100 PSI)	90 LPM (24 GPM)
Maximum Inlet Pressure	420 Bar (6000 PSI)
Pilot Switching Pressure	See ordering information
Cartridge Material	Steel operating parts, hardened steel spool.
Operating Temp. Range/Seals	-40°C to +93.3°C (Nitrile, Buna-N) (-40°F to +200°F) -31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°F)
Fluid Compatibility/Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
Filtration	ISO code 16/13, SAE Class 4 or better
Approx. Weight	.33 kg (.76 lbs.)
Cavity	5A (See BC Section for more details)



Dimensions



Ordering Information

N5A125	<input type="checkbox"/>	<input type="checkbox"/>
Directional Valve (All Ports Open)	Pilot Switching Pressure	Seals

Code	Switching Pressure
0.0	0.0 Bar (0 PSI)
5.0	5.0 Bar (73 PSI)
6.9	6.9 Bar (100 PSI) Std.
10.0	10.0 Bar (145 PSI)
15.0	15.0 Bar (217 PSI)

If no switching pressure is specified, valve will be supplied as N5A125-6.9N

Code	Seals / Kit No.
N	Nitrile, Buna-N / (SK30103N-1)
V	Fluorocarbon / (SK30103V-1)

Order Bodies Separately

LB10	<input type="checkbox"/>	<input type="checkbox"/>
Line Body	Porting	Body Material
Code	Porting	
314	3/4" BSP (main) 1/4" BSP (aux)	
321	3/4" SAE (main) 1/4" SAE (aux)	
Code	Body Material	
A	Aluminum	
S	Steel	