

**Technical Information**

- 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**

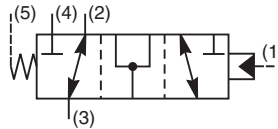
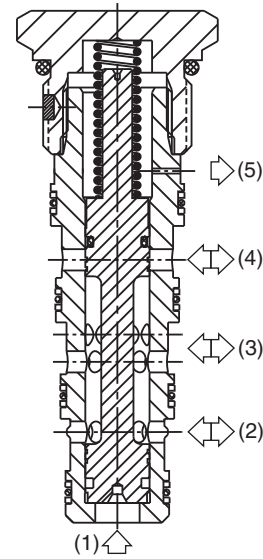
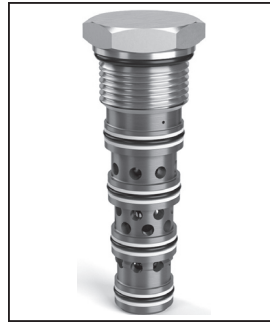
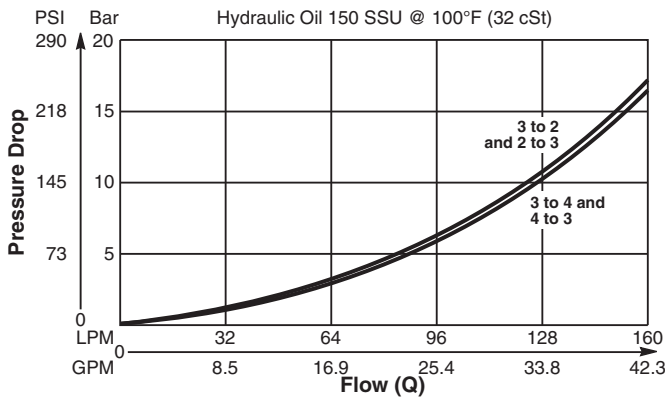
Pilot Operated Directional Valve, 3-Way, 2 Position, External Drain, Open Transition.

**Features**

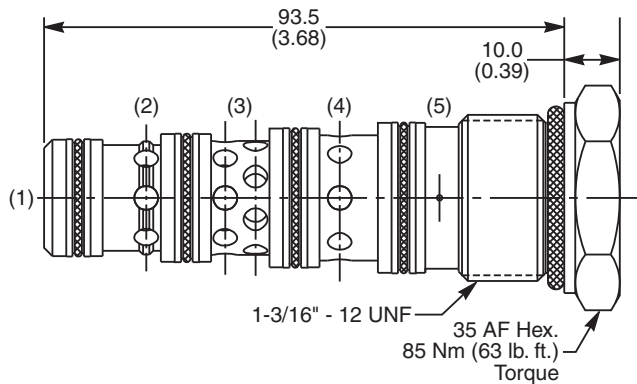
- High flow capacity
- Used as high flow switching or metering element
- Range of spring settings available
- All external parts zinc plated

**Performance Curve**

**Pressure Drop vs. Flow (Through cartridge only)**



**Dimensions** Millimeters (Inches)



**Specifications**

<b>Rated Flow</b>	160 LPM (42.3 GPM)
<b>Nominal Flow @ 7 Bar (100 PSI)</b>	90 LPM (24 GPM)
<b>Maximum Inlet Pressure</b>	420 Bar (6000 PSI)
<b>Pilot Switching Pressure</b>	See ordering information
<b>Cartridge Material</b>	Steel operating parts, hardened steel spool.
<b>Operating Temp. Range/Seals</b>	-34°C to +121°C (Nitrile, Buna-N) (-30°F to +250°F) -26°C to +204°C (Fluorocarbon) (-15°F to +400°F)
<b>Fluid Compatibility/Viscosity</b>	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
<b>Filtration</b>	ISO-4406 18/16/13, SAE Class 4
<b>Approx. Weight</b>	.33 kg (.76 lbs.)
<b>Cavity</b>	5A (See BC Section for more details)

**Ordering Information**

**N5A125** —  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**  Line Body  Porting  Body Material

Code	Porting
321	3/4" SAE (main) 1/4" SAE (aux)

Code	Body Material
A	Aluminum
S	Steel

