

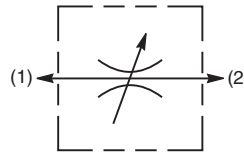
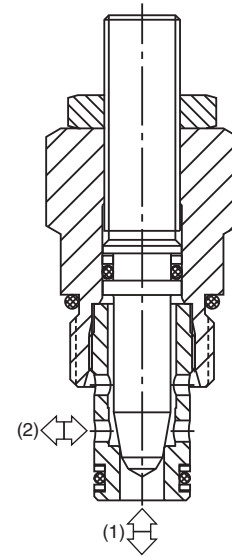
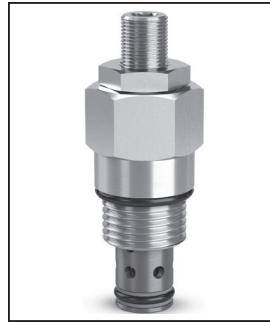
- CV Check Valves
- SH Shuttle Valves
- LM Load/Motor Controls
- FC Flow Controls
- PC Pressure Controls
- LE Logic Elements
- DC Directional Controls
- SV Solenoid Valves
- PV Proportional Valves
- CE Coils & Electronics
- BC Bodies & Cavities
- TD Technical Data

## General Description

Cartridge Style Needle Valve. For additional information see Technical Tips on pages FC1-FC4.

## Features

- Shuts off to a very low leakage level
- High flow capacity from a small cavity
- Good adjustment sensitivity - ideal for fine control
- Good contamination tolerant
- Adjustable and tamperproof versions available
- All external parts zinc plated

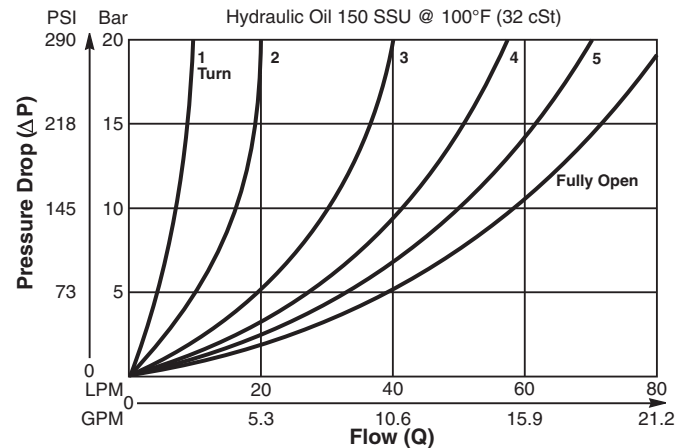


## Specifications

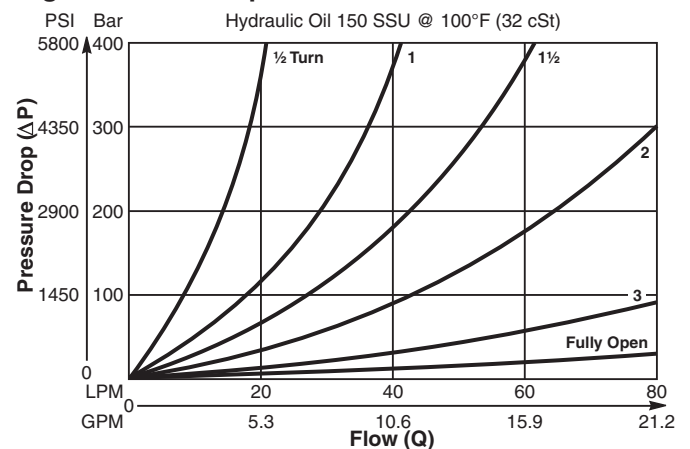
<b>Rated Flow</b>	45 LPM (12 GPM)
<b>Maximum Inlet Pressure</b>	420 Bar (6000 PSI)
<b>Cartridge Material</b>	All parts steel. All operating parts hardened steel.
<b>Fluid Compatibility/Viscosity</b>	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
<b>Filtration</b>	ISO-4406 18/16/13, SAE Class 4
<b>Approx. Weight</b>	.11 kg (.24 lbs.)
<b>Cavity</b>	C08-2 (See BC Section for more details)
<b>Form Tool</b>	Rougher Finisher None NFT08-2F

## Performance Curves (Through cartridge only)

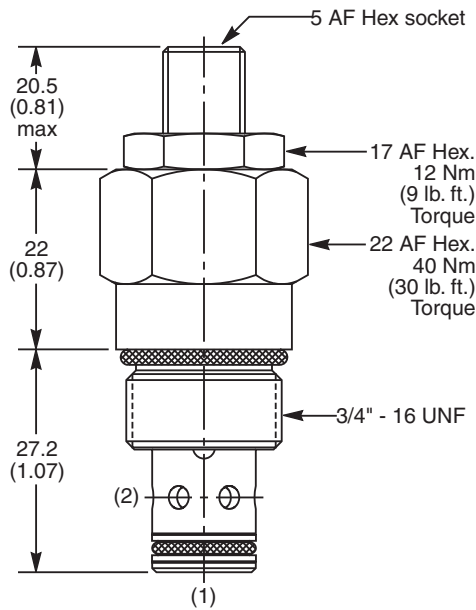
### Low Pressure Drop vs. Flow 1 to 2 & 2 to 1



### High Pressure Drop vs. Flow 1 to 2 & 2 to 1



**Dimensions** Millimeters (Inches)



**Ordering Information**

<b>J02A2</b>	<b>Z</b>	<b>N</b>
08 Size Needle Valve	Adjustment Style	Seals

Code	Adjustment Style
Z	Screw Adjust

Code	Seals / Kit No.	Operating Temp.
N	Nitrile, Buna-N / (SK30500N-1)	-34°C to +121°C (-30°F to +250°F)

*Order Bodies Separately  
 See section BC*

<b>B08</b>	—	<b>2</b>	—	<b>6B</b>
08 Size		2-Way Cavity		Port Size

<b>Port Size</b>
3/8" BSP

<b>Body Material</b>
Steel

- CV**  
Check Valves
- SH**  
Shuttle Valves
- LM**  
Load/Motor Controls
- FC**  
Flow Controls
- PC**  
Pressure Controls
- LE**  
Logic Elements
- DC**  
Directional Controls
- SV**  
Solenoid Valves
- PV**  
Proportional Valves
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Technical Data