

**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**

2-Way Spool Valves. For additional information see Technical Tips on pages SV1-SV6.

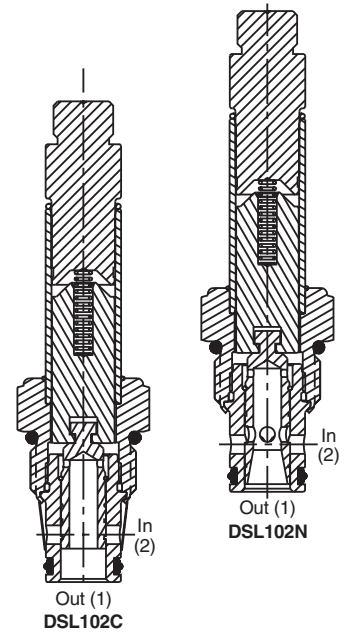
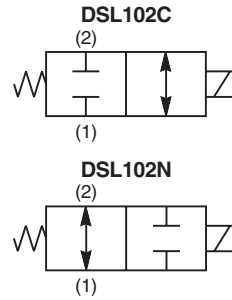


**Features**

- High flow capacity with reduced space requirements
- Standard valve bodies and common cavities
- One-piece encapsulated coil with minimal amperage draw
- Manual overrides, seal variations and other options available
- No dynamic seals
- Variety of coil terminations
- Polyurethane "D"-Ring
- All external parts zinc plated

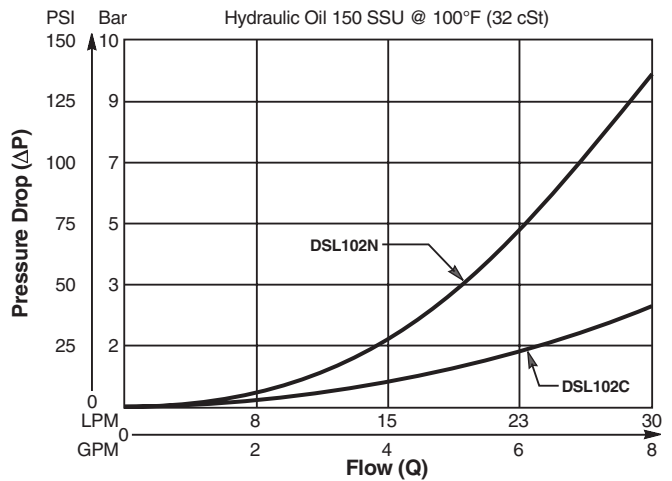
**Specifications**

<b>Rated Flow</b>	<b>C</b> - 30 LPM (8.0 GPM) <b>N</b> - 21 LPM (5.5 GPM)		
<b>Maximum Inlet Pressure</b>	250 Bar (3600 PSI)		
<b>Leakage at 150 SSU (32 cSt)</b>	120 cc/min. (7.5 in <sup>3</sup> /min.)		
<b>Minimum Operating Voltage</b>	85% of rated voltage at 20°C (72°F).		
<b>Response Time</b>	<b>C</b>	<b>Energized</b>	<b>De-Energized</b>
	<b>N</b>	30 ms	20 ms
		50 ms	25 ms
<b>Cartridge Material</b>	All parts steel. All operating parts hardened steel.		
<b>Operating Temp. Range/Seals</b>	-45°C to +93.3°C ("D"-Ring) (-50°F to +200°F) -31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°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 Code 16/13, SAE Class 4 or better		
<b>Approx. Weight</b>	.18 kg (.41 lbs.)		
<b>Cavity</b>	C10-2 (See BC Section for more details)		
<b>Form Tool</b>	Rougher	None	
	Finisher	NFT10-2F	

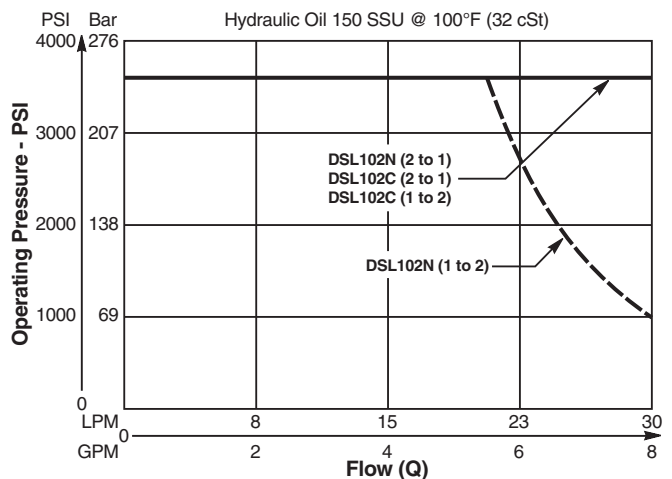


**Performance Curves**

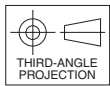
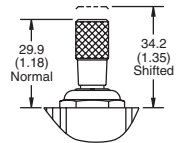
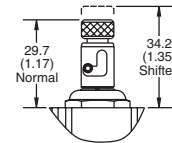
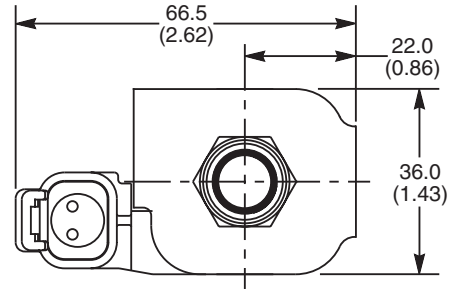
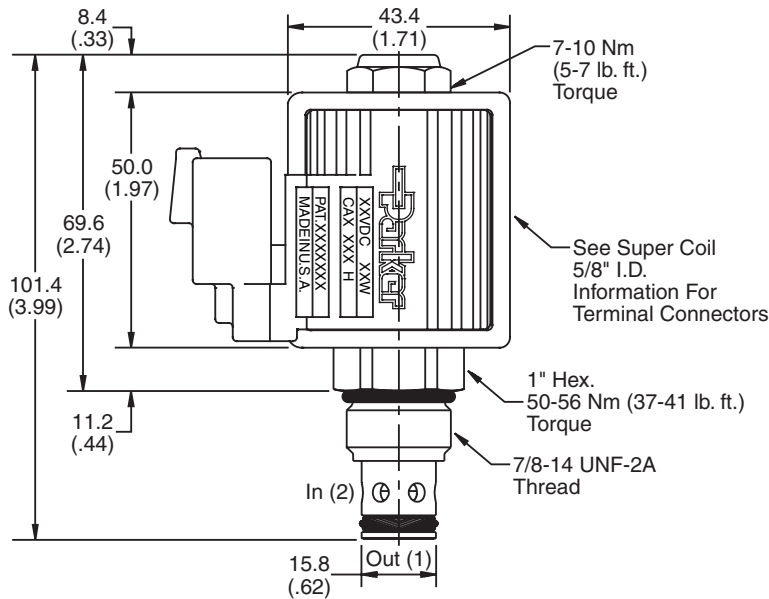
**Pressure Drop vs. Flow (Through cartridge only)**



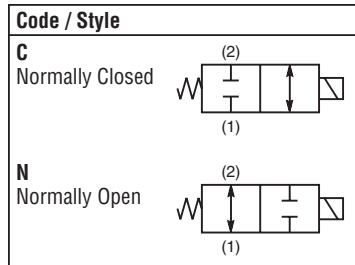
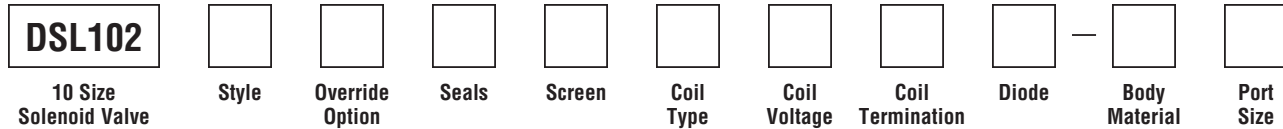
**Shift Limit Characteristics (Min. Operating Voltage)**



**Dimensions** Millimeters (Inches)



**Ordering Information**



Code	Seals / Kit No.
Omit	"D"-Ring / (SK10-2)
<b>N</b>	Nitrile / (SK10-2N)
<b>V</b>	Fluorocarbon / (SK10-2V)

Code	Coil Voltage
Omit	Without Coil
<b>D012</b>	12 VDC
<b>D024</b>	24 VDC
<b>A120</b>	120/110 VAC, 60/50 Hz
<b>A240</b>	240/220 VAC, 60/50 Hz

Code	Diode
Omit	None
<b>R</b>	Diode

Code	Screen
Omit	None
<b>S</b>	Screen

Code	Body Material
Omit	Steel
<b>A</b>	Aluminum

Code	Override Options
Omit	None
<b>P</b>	Pull & Release
<b>T</b>	Push & Twist

Code	Coil Type
Omit	Without Coil
<b>SP*</b>	Super Coil - 28 Watts

SP* Coil	Coil Termination
Omit	Without Coil
<b>C</b>	Conduit With Leads
<b>D</b>	DIN Plug Face
<b>A</b>	Amp Jr. Timert
<b>S</b>	Dual Spade†
<b>L</b>	Dual Lead Wire†
<b>LS</b>	Sealed Lead Wire†
<b>H</b>	Molded Deutsch†

Code	Port Size	Body Part No.
Omit	Cartridge Only	
<b>4P</b>	1/4" NPTF	(B10-2-*4P)
<b>6P</b>	3/8" NPTF	(B10-2-*6P)
<b>8P</b>	1/2" NPTF	(B10-2-*8P)
<b>6T</b>	SAE-6	(B10-2-*6T)
<b>8T</b>	SAE-8	(B10-2-*8T)
<b>T8T</b>	SAE-8	(B10-2-T8T)†
<b>6B</b>	3/8" BSPG	(B10-2-6B)†

\*Recommended  
†DC Only

\* Add "A" for aluminum. omit for steel.  
† Steel body only.