

**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.

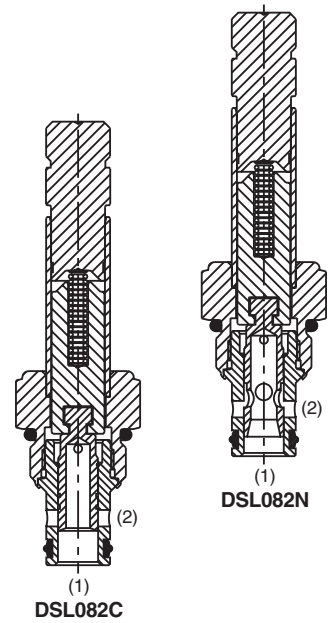
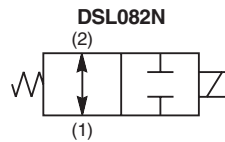
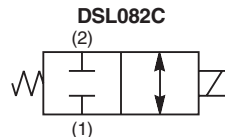


**Features**

- 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 eliminates need for backup rings
- Nylon inserted jam-nut provides secure holding in high vibration applications
- All external parts zinc plated

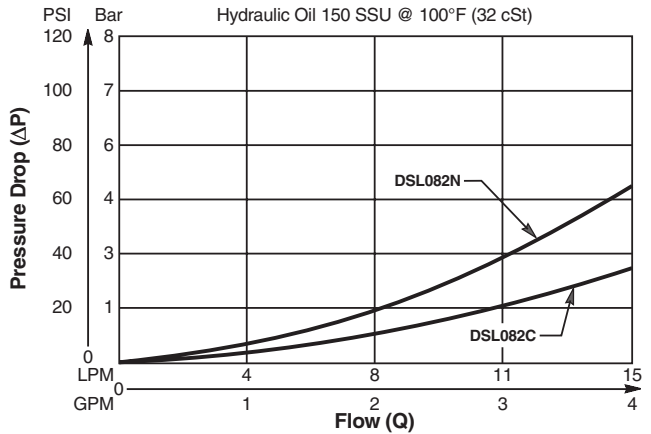
**Specifications**

<b>Rated Flow</b>	<b>C</b> - 15 LPM (4 GPM) <b>N</b> - 11 LPM (3 GPM)									
<b>Maximum Inlet Pressure</b>	250 Bar (3600 PSI)									
<b>Leakage at 150 SSU (32cSt)</b>	120 cc/min. (7.5 in <sup>3</sup> /min.) at 250 Bar (3600 PSI)									
<b>Minimum Operating Voltage</b>	85% of rated voltage at 20°C (72°F).									
<b>Response Time</b>	<table border="1"> <tr> <td></td> <td><b>Energized</b></td> <td><b>De-Energized</b></td> </tr> <tr> <td><b>C</b></td> <td>40 ms</td> <td>40 ms</td> </tr> <tr> <td><b>N</b></td> <td>40 ms</td> <td>40 ms</td> </tr> </table>		<b>Energized</b>	<b>De-Energized</b>	<b>C</b>	40 ms	40 ms	<b>N</b>	40 ms	40 ms
	<b>Energized</b>	<b>De-Energized</b>								
<b>C</b>	40 ms	40 ms								
<b>N</b>	40 ms	40 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>	.11 kg (.25 lbs.)									
<b>Cavity</b>	C08-2 (See BC Section for more details)									
<b>Form Tool</b>	Rougher None Finisher NFT08-2F									

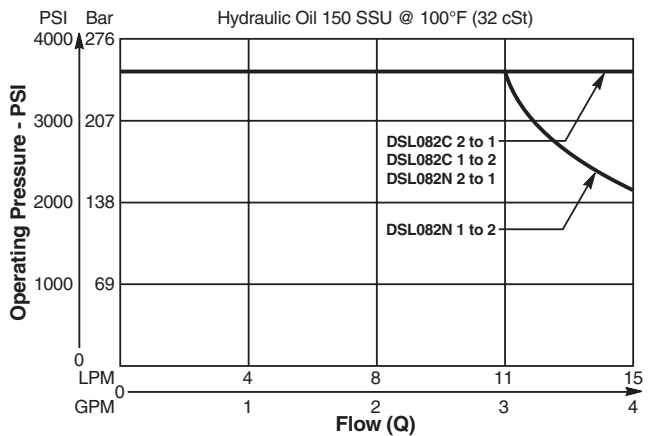


**Performance Curves**

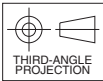
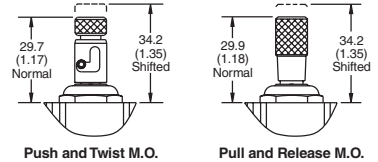
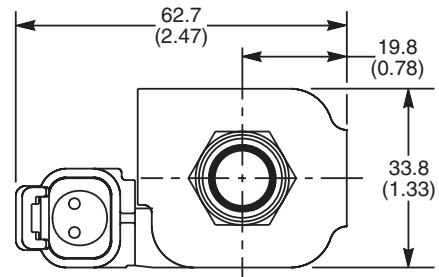
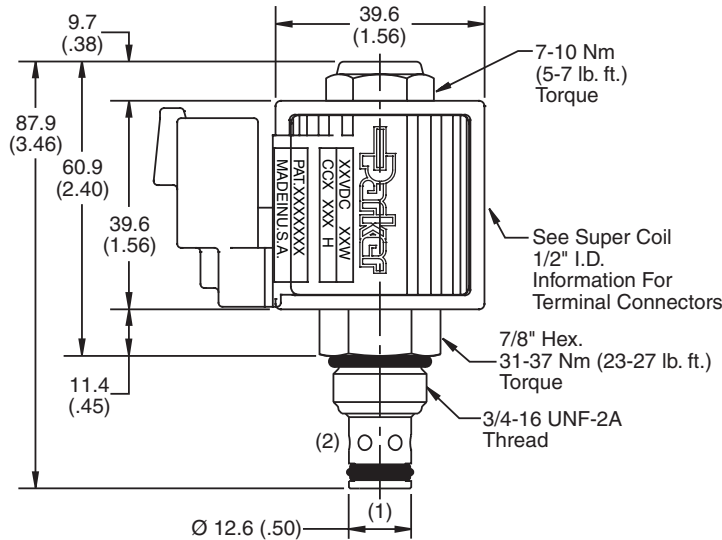
**Pressure Drop vs. Flow (Through cartridge only)**



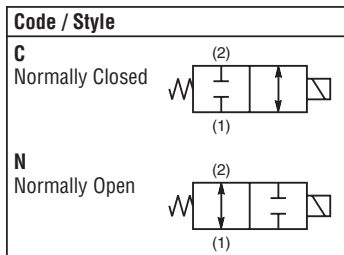
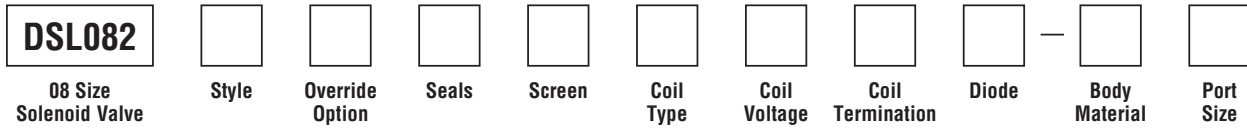
**Shift Limit Characteristics (Min. Operating Voltage)**



**Dimensions** Millimeters (Inches)



**Ordering Information**



Code	Seals / Kit No.
Omit	"D"-Ring / (SK08-2)
<b>N</b>	Nitrile / (SK08-2N)
<b>V</b>	Fluorocarbon / (SK08-2V)

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

Code	Coil Type
Omit	Without Coil
<b>SP*</b>	Super Coil - 19 Watts

\*Recommended

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

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

\*Recommended  
 †DC Only

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

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

Code	Port Size	Body Part No.
Omit	Cartridge Only	
<b>4P</b>	1/4" NPTF	(B08-2-*4P)
<b>6P</b>	3/8" NPTF	(B08-2-*6P)
<b>4T</b>	SAE-4	(B08-2-*4T)
<b>6T</b>	SAE-6	(B08-2-*6T)
<b>6B</b>	3/8" BSPG	(B08-2-*6B)

\* Add "A" for aluminum, omit for steel.

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