

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.

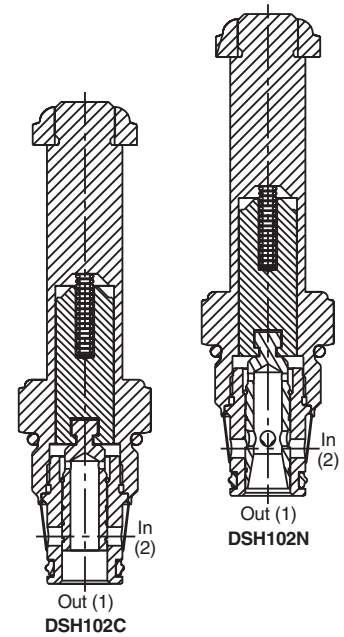
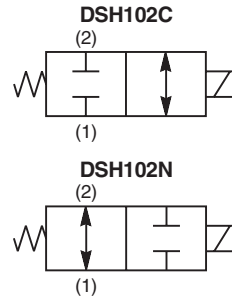


Features

- 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

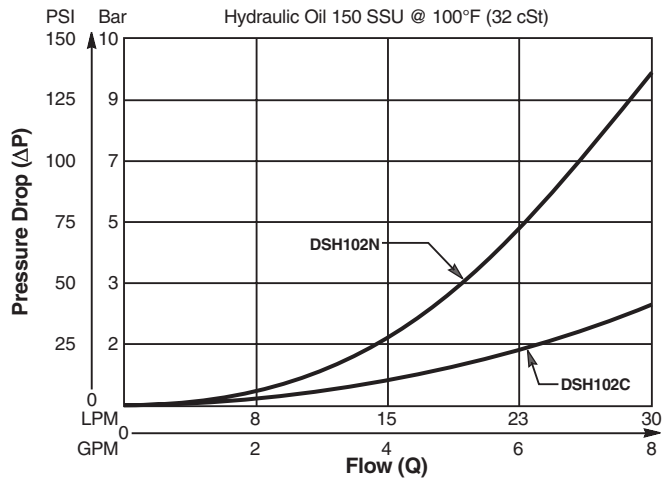
Specifications

Rated Flow	C - 30 LPM (8.0 GPM) N - 19 LPM (5.0 GPM)									
Maximum Inlet Pressure	350 Bar (5000 PSI)									
Leakage at 150 SSU (32 cSt)	160 cc/min. (10 in ³ /min.)									
Minimum Operating Voltage	85% of rated voltage at 20°C (72°F).									
Response Time	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td></td> <td>Energized</td> <td>De-Energized</td> </tr> <tr> <td>C</td> <td>30 ms</td> <td>20 ms</td> </tr> <tr> <td>N</td> <td>50 ms</td> <td>25 ms</td> </tr> </table>		Energized	De-Energized	C	30 ms	20 ms	N	50 ms	25 ms
	Energized	De-Energized								
C	30 ms	20 ms								
N	50 ms	25 ms								
Cartridge Material	All parts steel. All operating parts hardened steel.									
Operating Temp. Range/Seals	-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)									
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	.18 kg (.40 lbs.)									
Cavity	C10-2 (See BC Section for more details)									
Form Tool	Rougher None Finisher NFT10-2F									

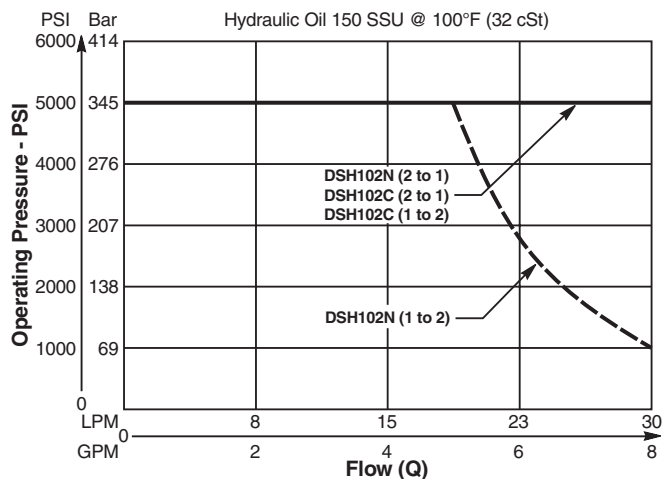


Performance Curves

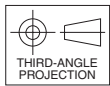
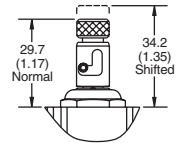
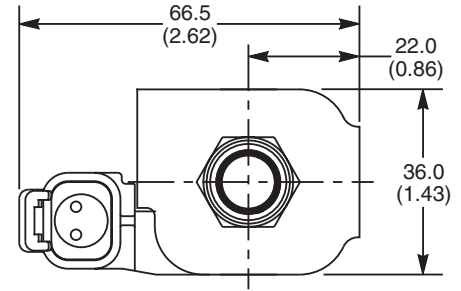
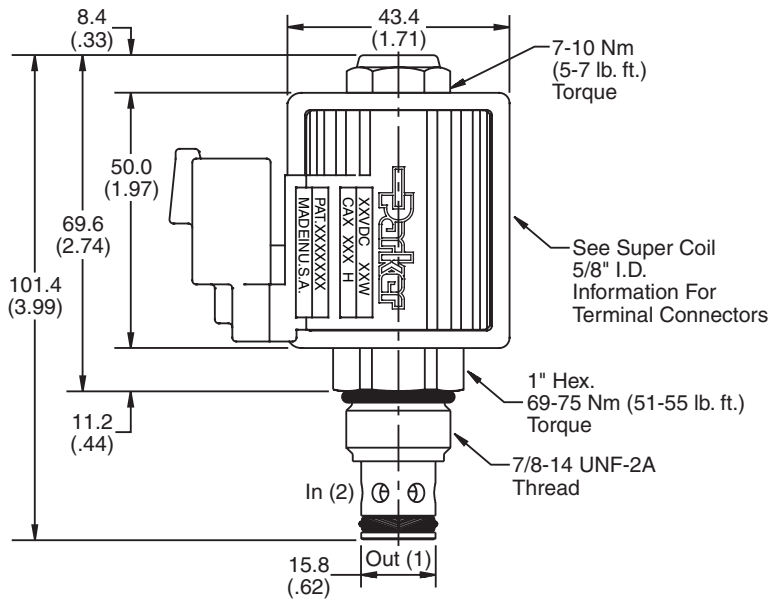
Pressure Drop vs. Flow (Through cartridge only)



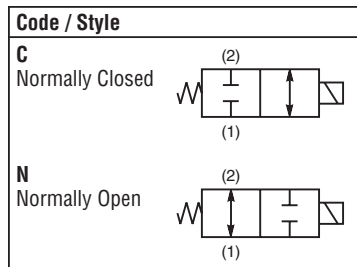
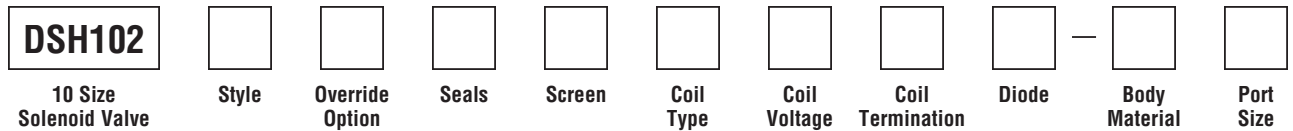
Shift Limit Characteristics (Min. Operating Voltage)



Dimensions Millimeters (Inches)



Ordering Information



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

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

Code	Diode
Omit	None
R	Diode

Code	Screen
Omit	None
S	Screen

Code	Body Material
Omit	Steel
A	Aluminum

Code	Override Options
Omit	None
T	Push & Twist (N.C. & N.O.)

Code	Coil Type
Omit	Without Coil
SP*	Super Coil - 28 Watts

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

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

*Recommended
†DC Only

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