

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 Poppet Valves. For additional information see Technical Tips on pages SV1-SV6.

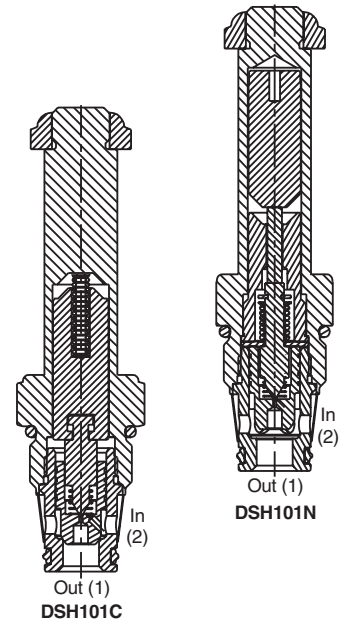
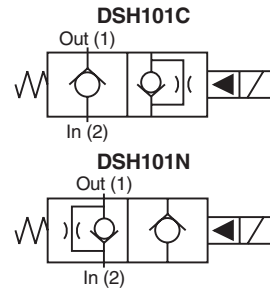


Features

- Low hysteresis
- Replaceable, one piece encapsulated coils with minimal amperage draw
- Various coil terminations and voltages
- Various manual override options
- Fast response available, (CH and CHR) rated at 30 LPM (8 GPM)
- Polyurethane "D"-Ring eliminates need for backup rings
- Nylon inserted jam-nut provides secure holding in high vibration applications
- All external parts zinc plated

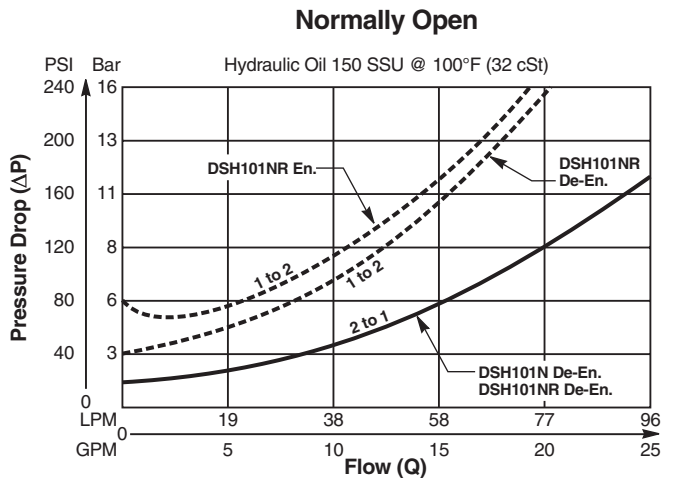
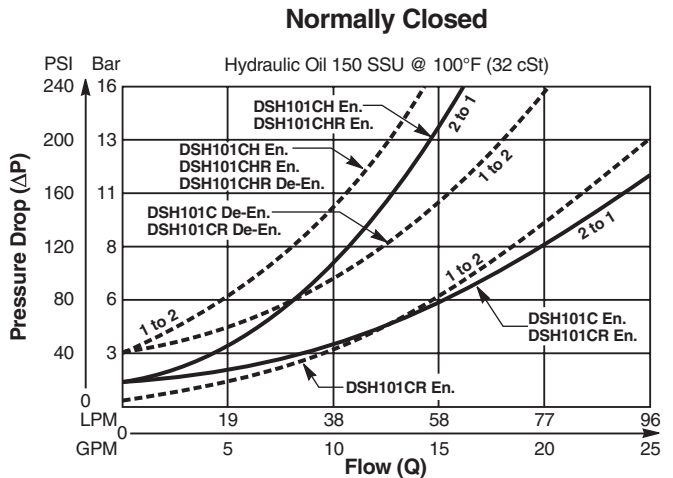
Specifications

Rated Flow	60 LPM (15 GPM)	
Maximum Inlet Pressure	350 Bar (5000 PSI)	
Leakage at 150 SSU (32 cSt)	5 drops/min. (.33 cc/min.)	
Minimum Operating Voltage	85% of rated voltage at 20°C (72°F).	
Response Time		
	Energized	De-Energized
C, CR	80 ms	150 ms
CH, CHR	50 ms	50 ms
N, NR	70 ms	35 ms
Cartridge Material	All parts steel. All operating parts hardened steel.	
Operating Temp. Range/Seals	-45°C to +132°C ("D"-Ring) (-50°F to +270°F) -34°C to +121°C (Nitrile) (-30°F to +250°F) -26°C to +204°C (Fluorocarbon) (-15°F to +400°F)	
Fluid Compatibility/Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)	
Filtration	ISO 4406 18/16/13, SAE Class 4	
Approx. Weight	.20 kg (0.41 lbs.)	
Cavity	C10-2 (See BC Section for more details)	
Form Tool	Rougher	None
	Finisher	NFT10-2F

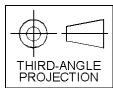
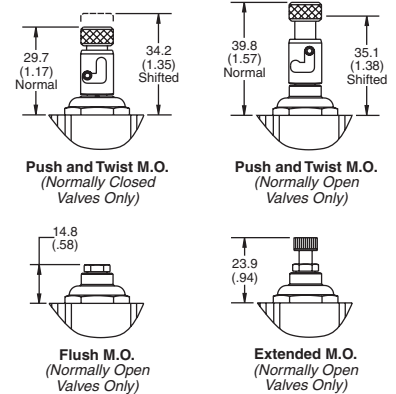
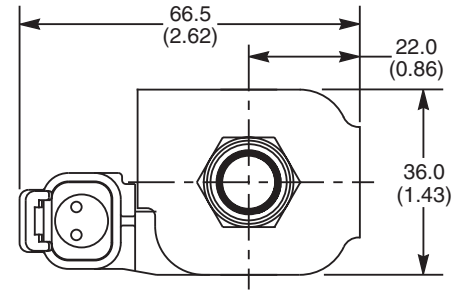
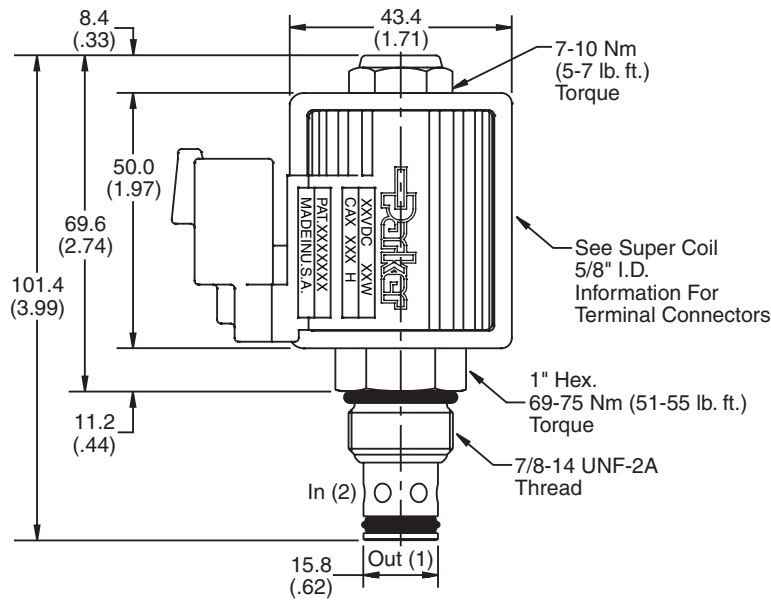


Performance Curves

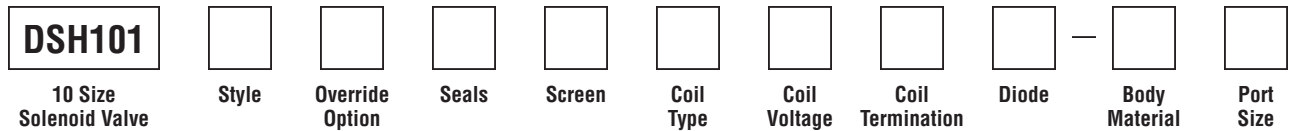
Pressure Drop vs. Flow (Through cartridge only)



Dimensions Millimeters (Inches)



Ordering Information



Code / Style	Diagram
C Normally Closed Metered reverse flow	
CH Normally Closed Metered reverse flow (Fast response)	
CHR Normally Closed Free reverse flow (Fast response)	
CR Normally Closed Free reverse flow	
N Normally Open Metered reverse flow	
NR Normally Open Free reverse flow	

Code	Override Options
Omit	None
E	Push Type with Extended Rod (N.O. Only)
M	Push Type with Flush Rod (N.O. Only)
T	Push & Twist (N.C. & N.O.)

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

Code	Screen
Omit	None
S	Screen

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

**Recommended*

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

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

**Recommended †DC Only*

Code	Diode
Omit	None
R	Diode

Code	Body Material
Omit	Steel

Code	Port Size	Body Part No.
Omit	Cartridge Only	
6T	SAE-6	(B10-2-6T)
8T	SAE-8	(B10-2-8T)