

- 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
- CB** Cartridge Bodies
- BC** Bodies & Cavities
- TD** Technical Data

General Description

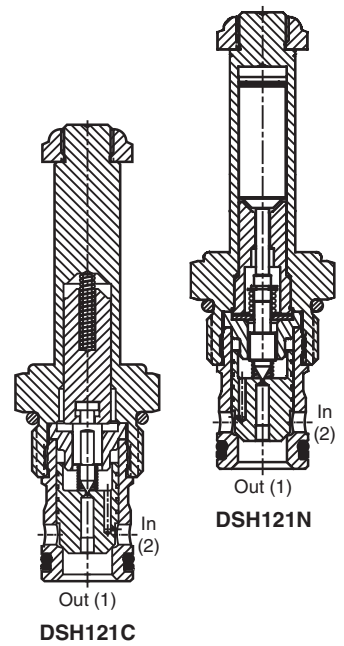
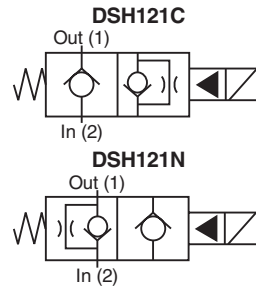
2-Way Poppet Valves. For additional information see Technical Tips on pages SV1-SV5.

Features

- Replaceable, one piece encapsulated coils with minimal amperage draw
- Various coil terminations and voltages
- Various manual override options
- All external parts zinc plated

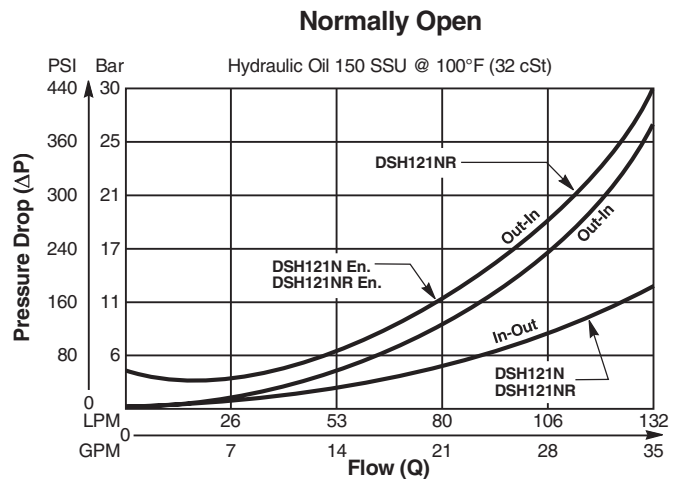
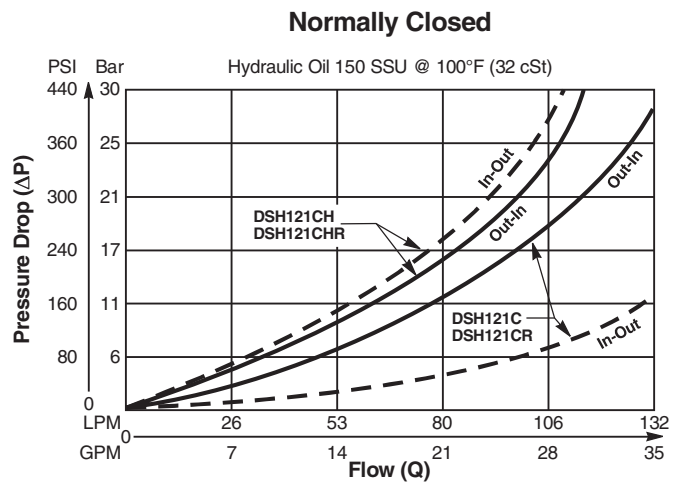
Specifications

Rated Flow	90 LPM (24 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	100 ms / 150 ms
	CH, CHR	60 ms / 60 ms
	N, NR	70 ms / 150 ms
Cartridge Material	All parts steel. All operating parts hardened steel.	
Operating Temp. Range/Seals	-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	.29 kg (.65 lbs.)	
Cavity	C12-2 (See BC Section for more details)	
Form Tool	Rougher	None
	Finisher	NFT12-2F

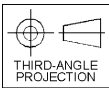
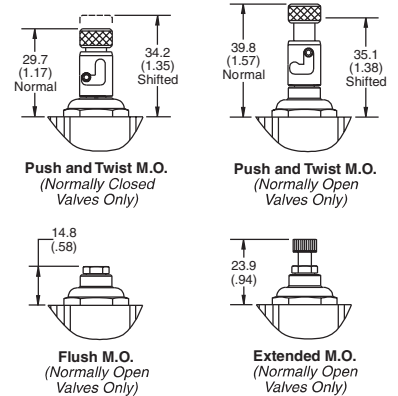
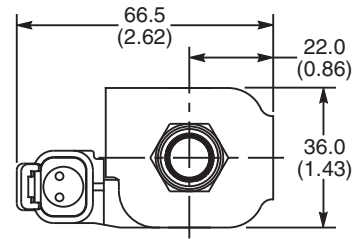
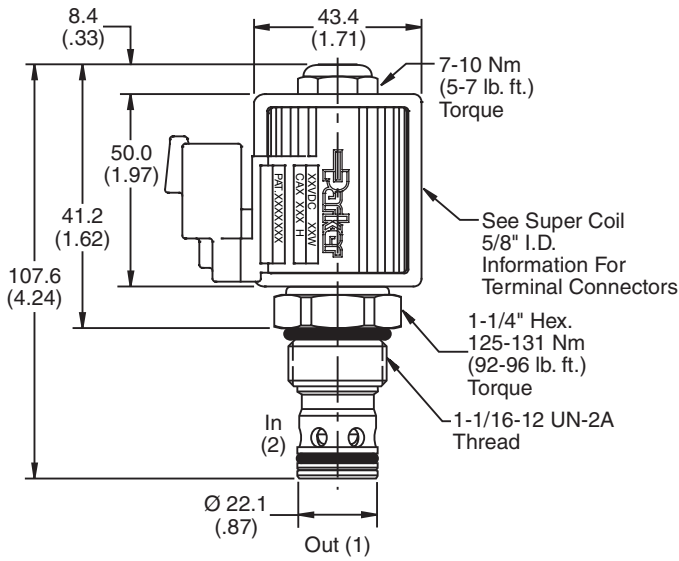


Performance Curves

Pressure Drop vs. Flow (Through cartridge only)



Dimensions Millimeters (Inches)



Ordering Information

DSH121 **CR**

12 Size Solenoid Valve **Style** **Override Option** **Seals**

Highlighted represents preferred options that offer the shortest lead times. Other options may be available, but at extended lead times.

Coil(s) sold separately. Please see section CE of this catalog, 5/8" Super-Coil (CA series), for ordering information.

Order Bodies Separately
 See section BC

B12 - **2** -

12 size 2-Way Cavity Port Size

Code	Port Size / Body Material
8T	SAE-8 / Steel (5000 PSI)
A8T	SAE-8 / Aluminium (3000 PSI)

Code / Style	Symbol
C Normally Closed Metered reverse flow	
CH Normally Closed Metered reverse flow (Fast response)	
CHR Normally Closed Full 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	Nitrile
V	Fluorocarbon / (SK12-2V)

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BC
Bodies & Cavities
TD
Technical Data