

CV	Check Valves
SH	Shuttle Valves
LM	Load/Motor Controls
FC	Flow Controls
PC	Pressure Controls
LE	Elements
DC	Directional Controls
MV	Manual Valves
SV	Solenoid Valves
PV	Proportional Valves
CE	Electronics
CB	Cartridge Bodies
BC	Bodies & Cavities
TD	Technical Data

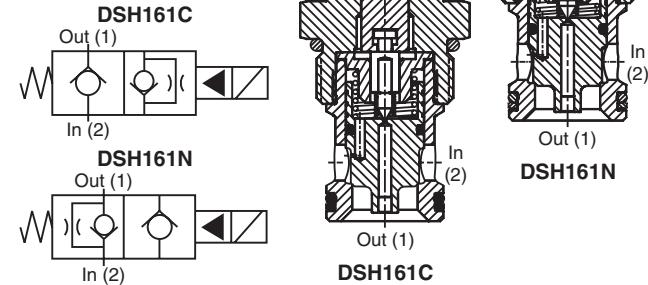
General Description

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
- New 350 Bar (5000 PSI) rating

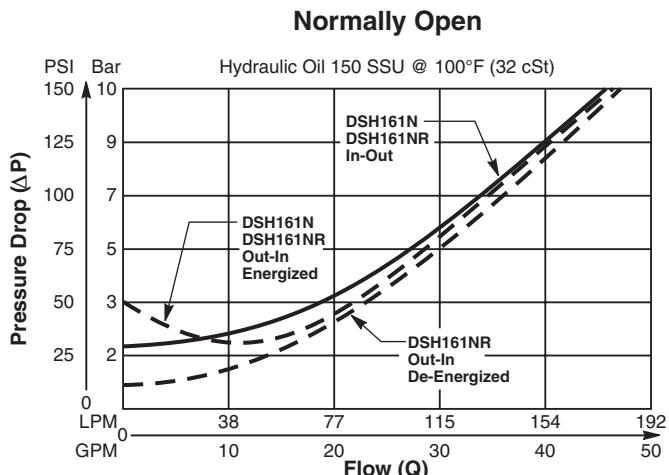
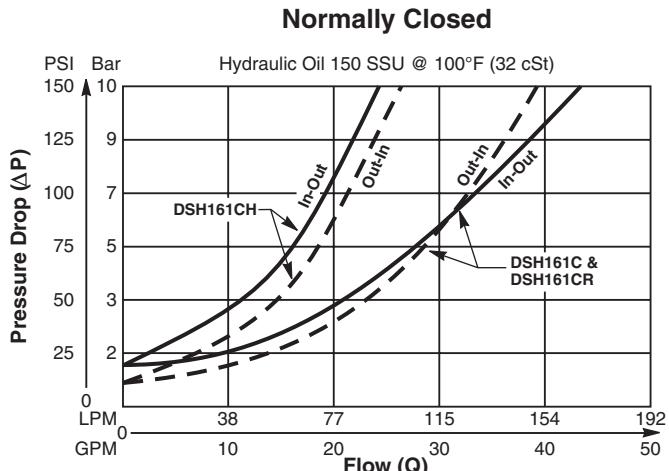


Specifications

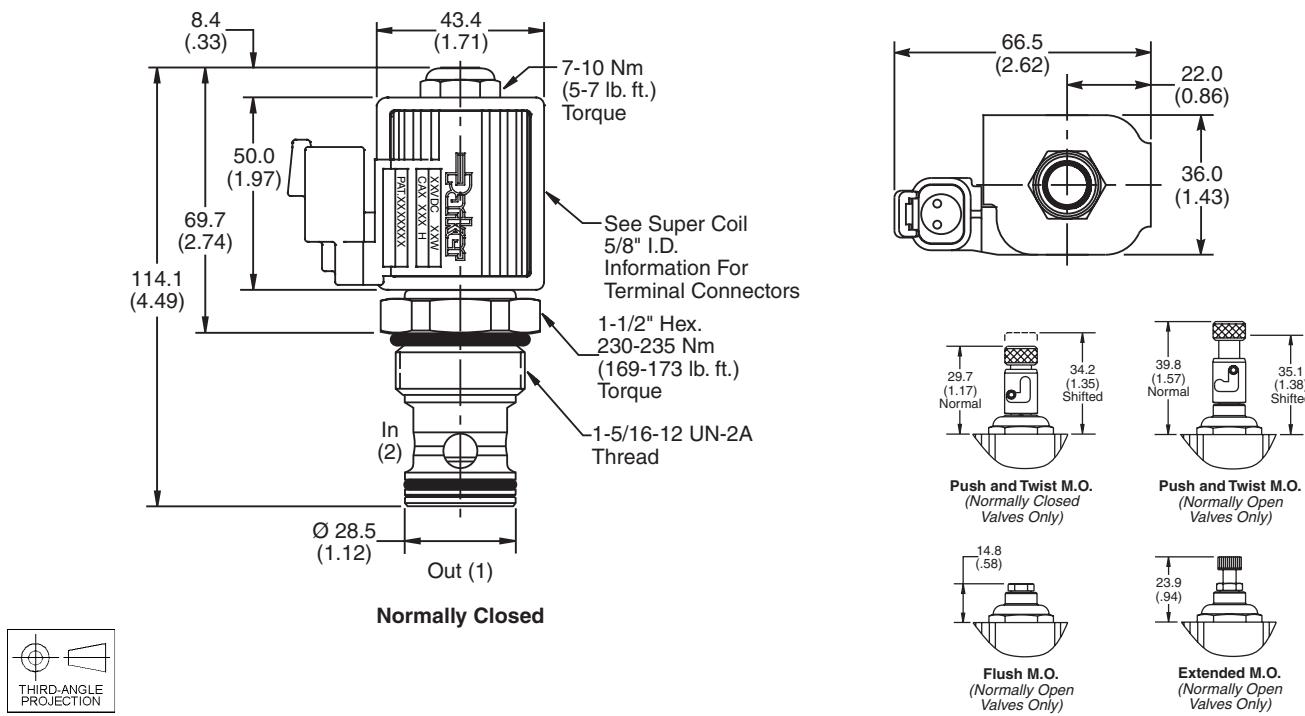
Rated Flow	150 LPM (40 GPM)	
Maximum Inlet Pressure	350 Bar (5000 PSI)	
Leakage at 150 SSU (32 cSt)	5 drops/min. (.33 cc/min.)	
Minimum Operating Voltage	85% of rated voltage at 20°C (72°F).	
Response Time	Energized C, CR CH N, NR	De-Energized 50 ms 40 ms 45 ms 130 ms 60 ms 75 ms
Cartridge Material	All 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	.34 kg (.75 lbs.)	
Cavity	C16-2 (See BC Section for more details)	
Form Tool	Rougher Finisher	None NFT16-2F

Performance Curves

Pressure Drop vs. Flow (Through cartridge only)



Dimensions Millimeters (Inches)



CV
SH
LM
FC
PC
LE
DC
MV
SV
PV
CE
CB
BC
TD

Ordering Information

DSH161
16 Size 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.

Code / Style	
C	Normally Closed
	Metered reverse flow
CH	Normally Closed
	Metered 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 / (SK16-2V)

Order Bodies Separately
See section BC

B16	— 2 —	<input type="text"/>
16 size	2-Way Cavity	Port Size
Code		Port Size / Body Material
16T	SAE-16 / Steel (5000 PSI)	
A16T	SAE-16 / Aluminium (3000 PSI)	