

General Description

3-Way Spool Valves. For additional information see Technical Tips on pages SV1-SV5.

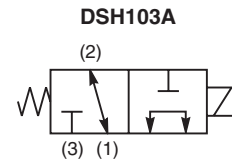


Features

- 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

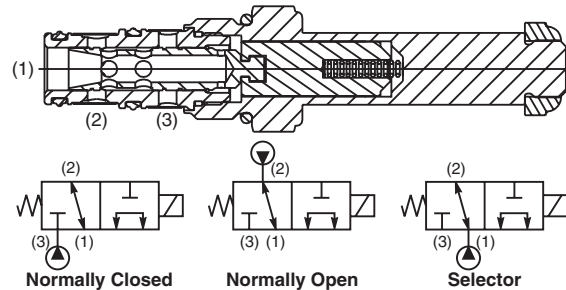
Specifications

Rated Flow	DSH103A	N.O.	17.0 LPM (4.5 GPM)	
		N.C.	15.0 LPM (4.0 GPM)	
		Selector	15.0 LPM (4.0 GPM)	
	DSH103B	N.C.	30.0 LPM (8.0 GPM)	
		Selector	30.0 LPM (8.0 GPM)	
	DSH103C	N.O.	30.0 LPM (8.0 GPM)	
	DSH103N	N.O.	15.0 LPM (4.0 GPM)	
		N.C.	15.0 LPM (4.0 GPM)	
		Selector	30.0 LPM (8.0 GPM)	
	Maximum Inlet Pressure	350 Bar (5000 PSI)		
	Leakage at 150 SSU (32 cSt)	160 cc/min. (10 in ³ /min.) DSH103B - 250 cc/min. (15 in ³ /min.) DSH103N - 250 cc/min. (15 in ³ /min.)		
	Minimum Operating Voltage	85% of rated voltage at 20°C (72°F).		
Response Time	50 ms to 100 ms			
Cartridge Material	All parts steel. All operating parts hardened steel.			
Operating Temp. Range/Seals	-37°C to +93°C ("D"-Ring) (-35°F to +200°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	.19 kg (.42 lbs.)			
Cavity	C10-3 (See BC Section for more details)			
Form Tool	Rougher	NFT10-3R		
	Finisher	NFT10-3F		

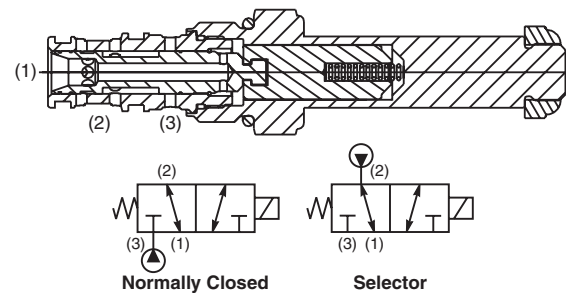


Construction/Symbols

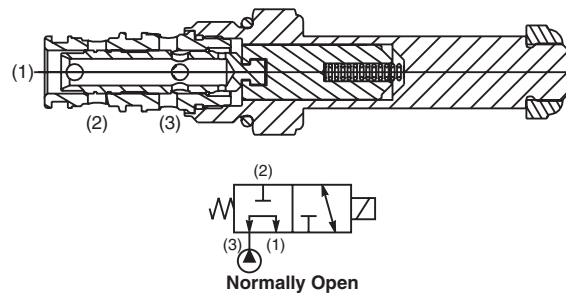
DSH103A



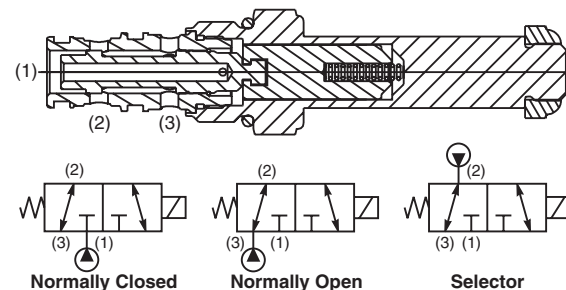
DSH103B



DSH103C

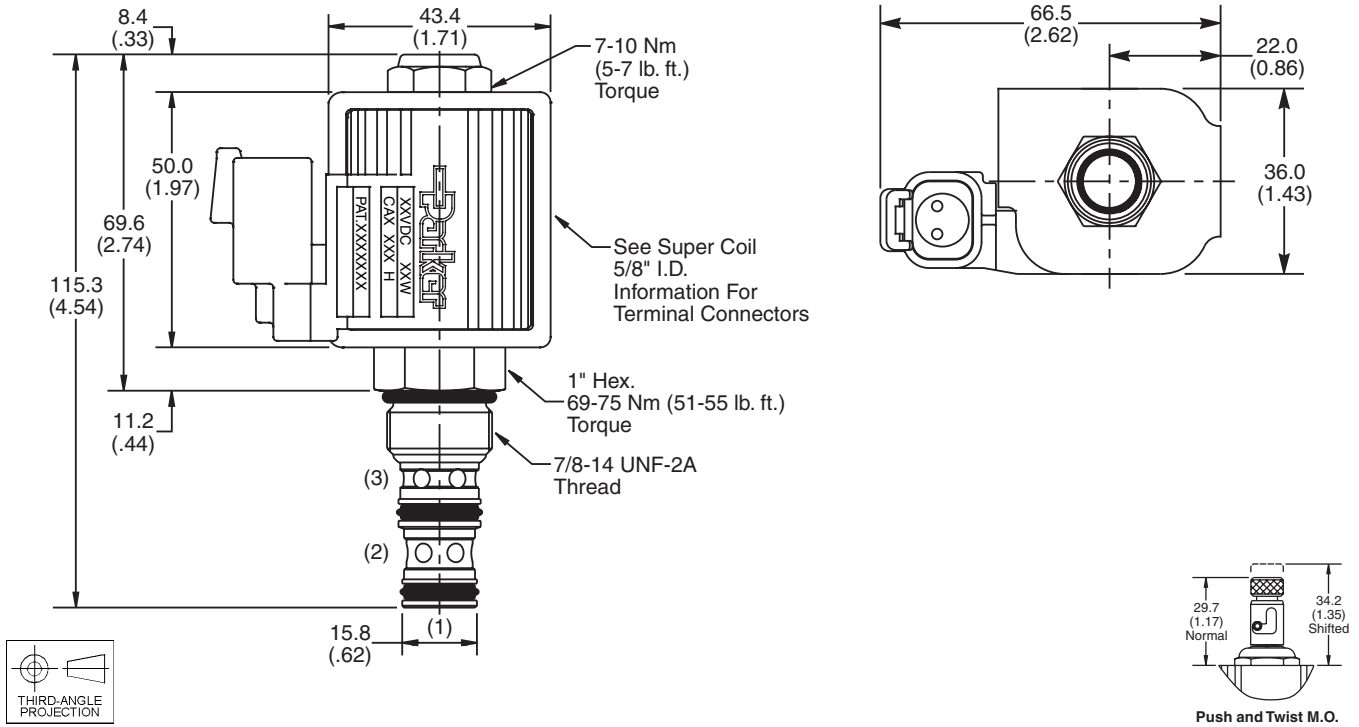


DSH103N

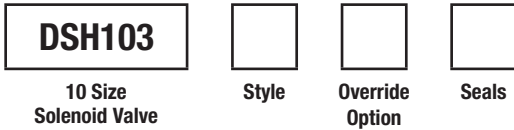


CV
Check Valves
SH
Shuttle Valves
LM
Load/Motor Controls
FC
Flow Controls
PC
Pressure Controls
LE
Logic Elements
DC
Directional Controls
MV
Manual Valves
SV
Solenoid Valves
PV
Proportional Valves
CE
Coils & Electronics
CB
Cartrpck Bodies
BC
Bodies & Cavities
TD
Technical Data

Dimensions Millimeters (Inches)



Ordering Information



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



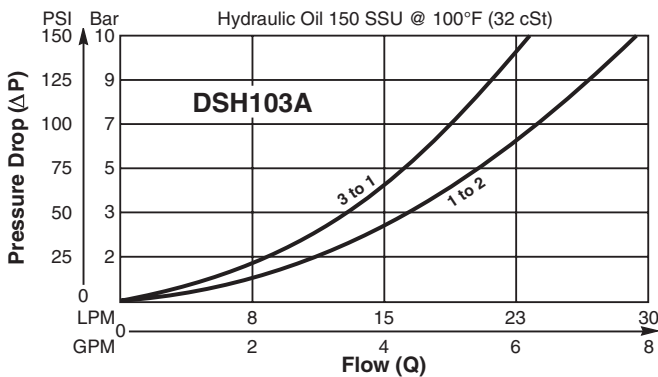
Code	Style
A	
B	
C	
N	

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

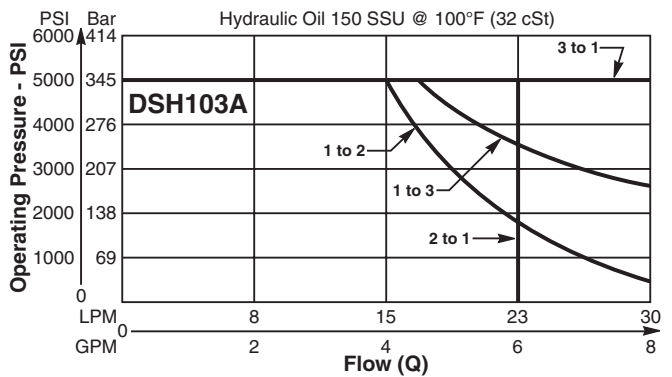
Code	Seals / Kit No.
Omit	"D"-Ring / (SK10-3)
N	Nitrile (SK10-3)
V	Fluorocarbon / (SK10-3V)

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

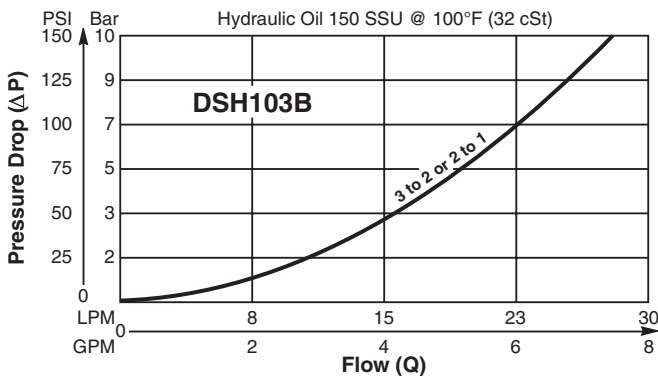
Pressure Drop vs. Flow (Through cartridge only)



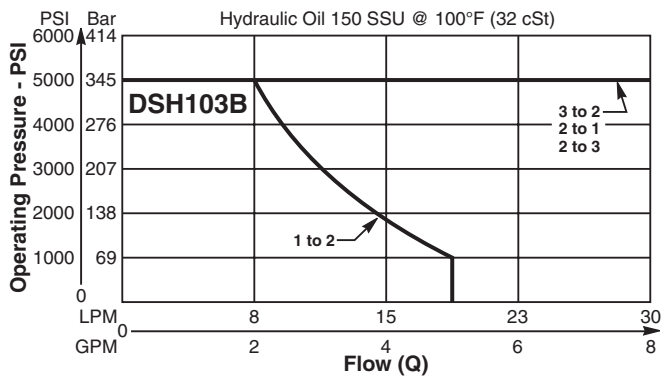
Shift Limit Characteristics (Min. Operating Voltage)



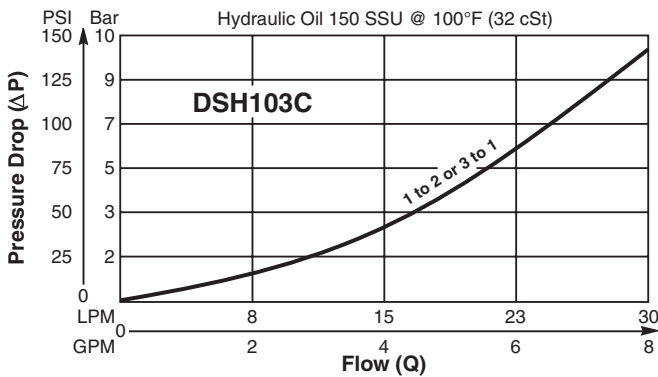
Pressure Drop vs. Flow (Through cartridge only)



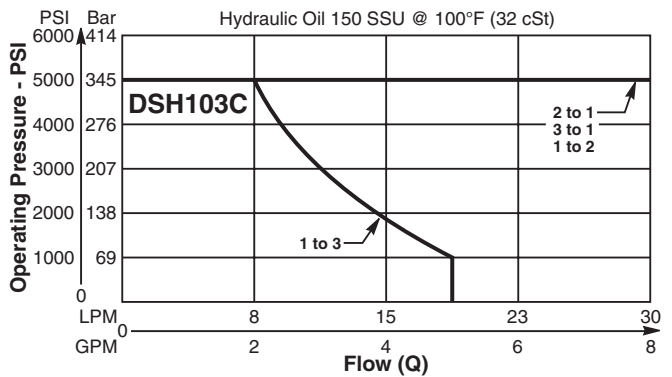
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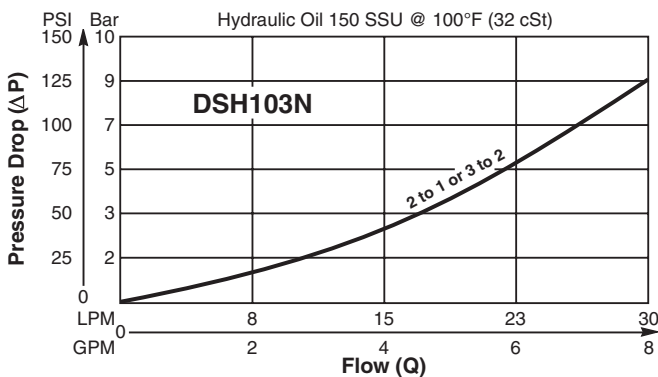
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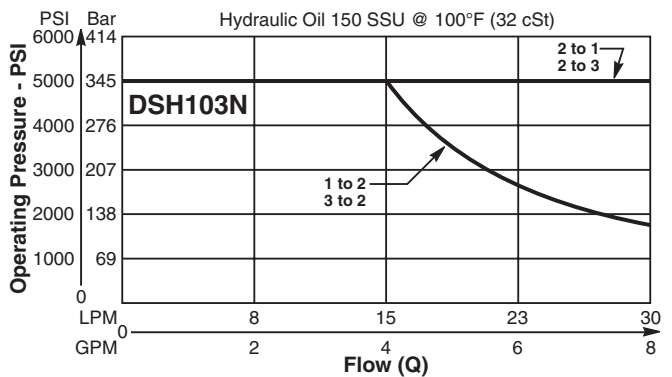
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Pressure Drop vs. Flow (Through cartridge only)



Shift Limit Characteristics (Min. Operating Voltage)



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