

General Description

4-Way Spool Valves. For additional information see Technical Tips on pages SV2-SV6.

Features

- High flow capacity with reduced space requirements
- Standard valve bodies and common cavities
- Replaceable, one piece encapsulated coils with minimal amperage draw
- Manual overrides, seal variations and other options available
- Oil immersed armature solenoid, no dynamic seals
- Variety of coil terminations and voltages
- Polyurethane "D"-Ring

Specifications

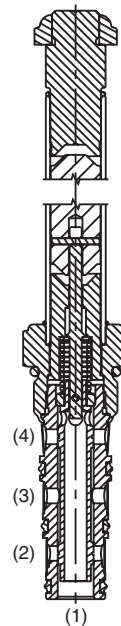
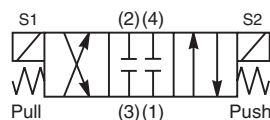
Rated Flow	C2, C9 19 LPM (5 GPM) C1, C4 26 LPM (7 GPM)
Maximum Inlet Pressure	250 Bar (3600 PSI) ¹
Leakage at 150 SSU (32 cSt)	160 cc/min. (10 in ³ /min.)
Minimum Operating Voltage	85% of rated voltage at 20°C (72°F).
Response Time	40 - 150 ms
Cartridge Material	All parts steel. All operating parts hardened 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	.29 kg (.64 lbs.)
Cavity	C10-4

Curve Selection Chart

SPOOL CODE	SPOOL SHIFTED				SPOOL CENTERED		
	3 to 2	3 to 4	2 to 1	4 to 1	3 to 1	2 to 1	4 to 1
C1	2	2	4	4	—	—	—
C2	1	1	2	2	5	4	3
C4	2	2	5	5	—	4	4
C9	1	1	2	2	5	—	—



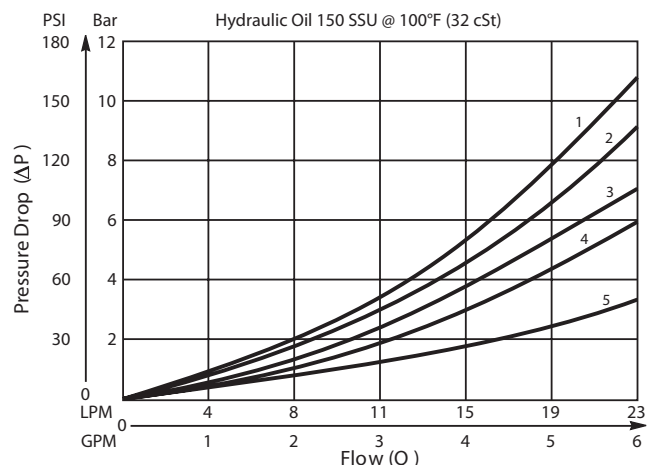
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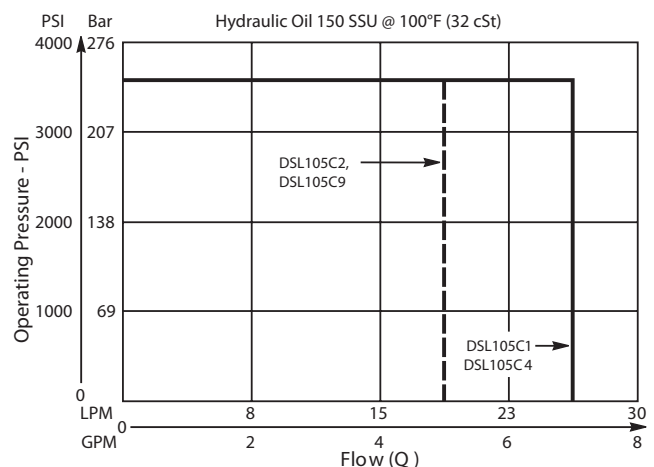
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Performance Curves

Pressure Drop vs. Flow (Through cartridge only)

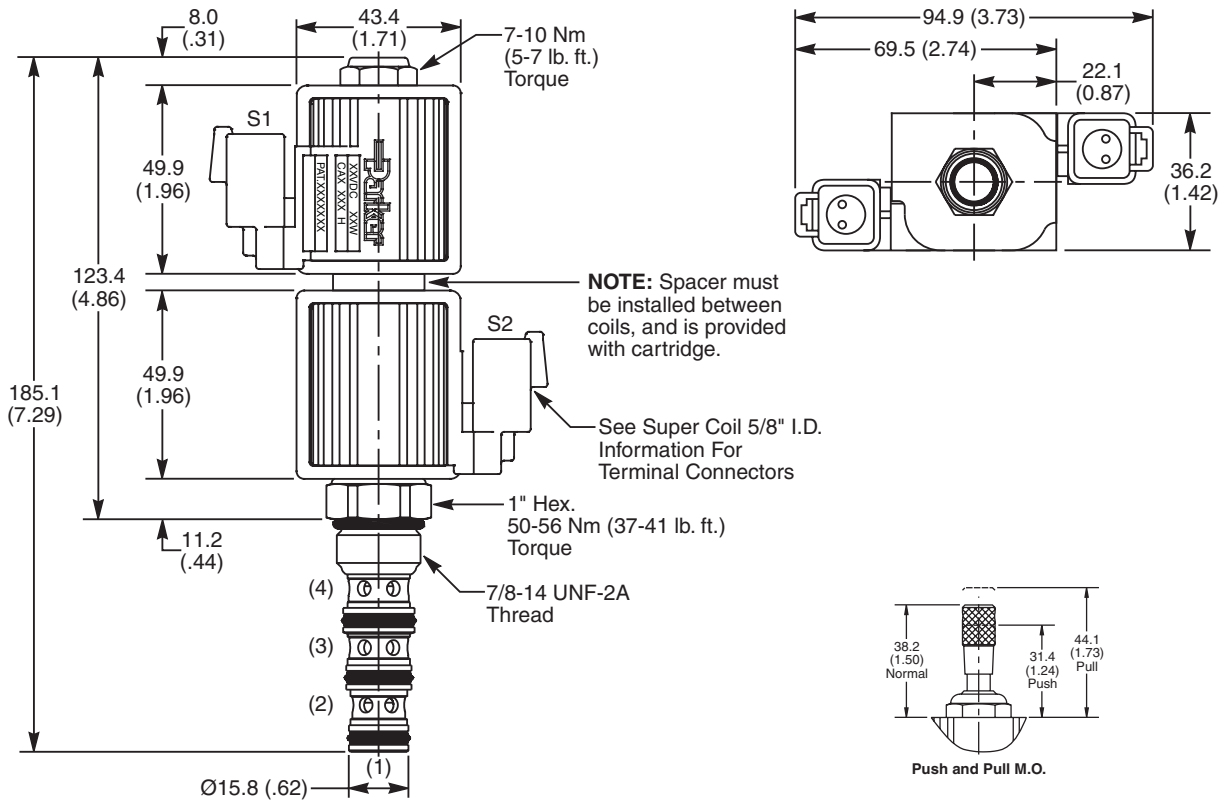


Shift Limit Characteristics (Min. Operating Voltage)



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

Dimensions Millimeters (Inches)



Ordering Information

DSL105

10 Size
Solenoid Valve



Style



Override
Option

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
C1	
C2	
C4	
C9	

Code	Override Options
Omit	None

Code	Seals
Omit	"D"-Ring

Kit	Part Number
D-Ring Seal	SK10-4
Nitrile Seal	SK10-4
Fluorocarbon Seal	SK10-4V

Order Bodies Separately
See section BC

B10	—	4	—	8T
10 size		4-Way Cavity		Port Size

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