

General Description

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



Features

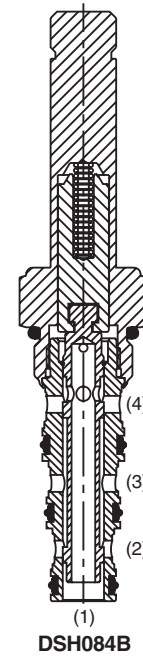
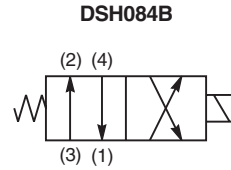
- High flow capacity with reduced space requirements
- Standard valve bodies and common cavities
- One-piece encapsulated coil with minimal amperage draw
- Manual overrides, seal variations and other options available
- No dynamic seals
- Variety of coil terminations
- Polyurethane "D"-Ring eliminates need for backup rings
- Nylon inserted jam-nut provides secure holding in high vibration applications
- All external parts zinc plated

Specifications

Rated Flow	11-15 LPM (3-4 GPM) See Shift Limit Characteristics
Max. Inlet Pressure	350 Bar (5000 PSI)
Leakage at 150 SSU (32 cSt)	160 cc/min. (10 in ³ /min.) at 350 Bar (5000 PSI) DSH084B - 240 cc/min. (15 in ³ /min.)
Minimum Operating Voltage	85% of rated voltage at 20°C (72°F).
Response Time	Energized - 50 ms De-energized - 30 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	.13 kg (.29 lbs.)
Cavity	C08-4 (See BC Section for more details)
Form Tool	Rougher NFTA08-4R Finisher NFTA08-4F

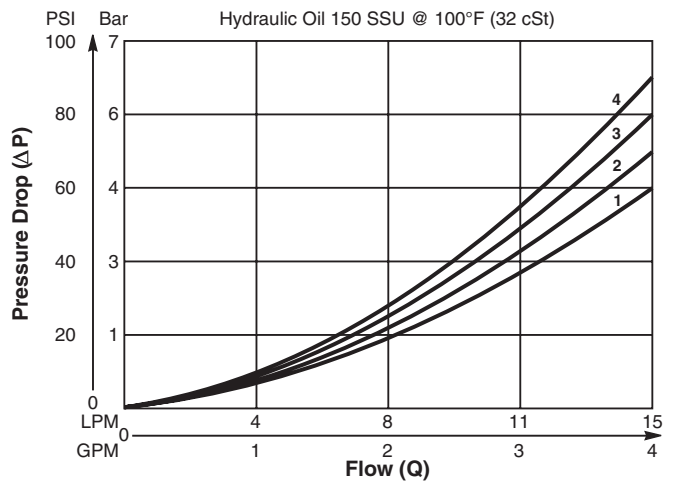
Curve Selection Chart

SPOOL CODE	NEUTRAL					SHIFTED				
	4 to 1	3 to 2	2 to 1	3 to 1	3 to 4	4 to 1	3 to 2	2 to 1	3 to 1	3 to 4
B	4	3	—	—	—	—	—	2	—	4
E1	—	—	—	—	—	—	—	2	—	3
M	—	—	3	—	1	—	—	—	—	—
N	—	—	—	—	—	4	3	—	—	—
M9	—	—	3	—	1	—	—	—	4	—

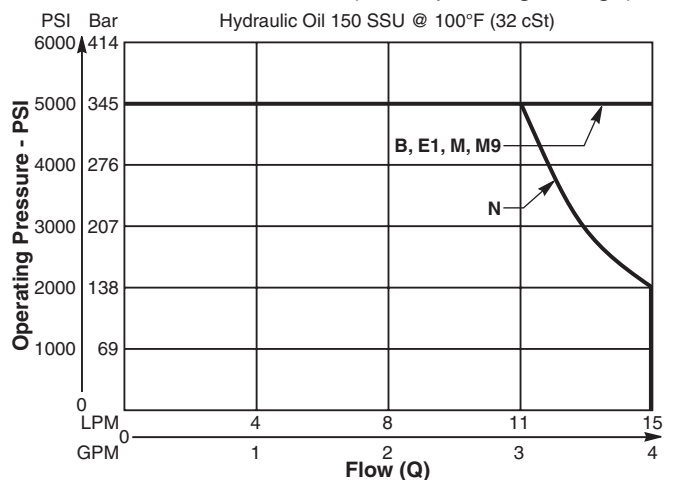


Performance Curves

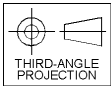
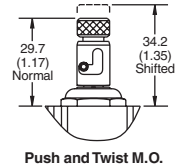
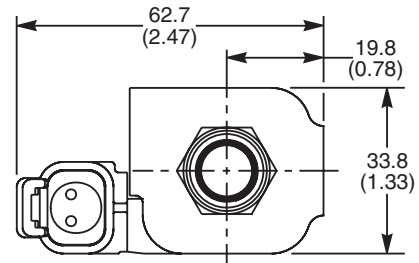
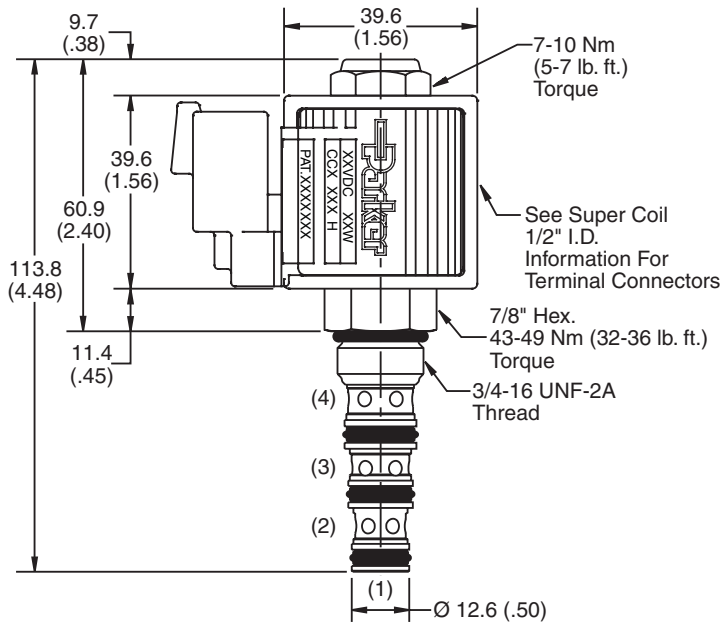
Pressure Drop vs. Flow (Through cartridge only)



Shift Limit Characteristics (Min. Operating Voltage)



Dimensions Millimeters (Inches)



Ordering Information

DSH084

08 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, 1/2" Super-Coil (CC series), for ordering information.

Code	Style
B	
N	
E1	
M	
M9	

Code	Override Options
Omit	None
T	Push & Twist*

*Requires Super Coil.

Code	Seals / Kit No.
Omit	"D"-Ring / (SK08-4)
N	Nitrile (SK08-4)
V	Fluorocarbon / (SK08-4V)

Order Bodies Separately
 See section BC

B08 - **4** -

08 size 4-Way Cavity Port Size

Code	Port Size / Body Material
6T	SAE-6 / Steel (5000 PSI)
A6T	SAE-6 / Aluminium (3000 PSI)

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 Cartrpak Bodies

BC Bodies & Cavities

TD Technical Data