

General Description

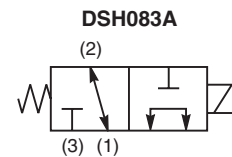
3-Way Spool Valves. For additional information see Technical Tips on pages SV2-SV6.

Features

- High flow capacity with reduced space requirements
- Standard valve bodies and common cavities
- One piece encapsulated coils 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

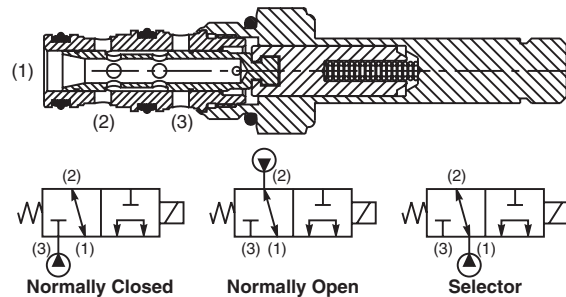
Specifications

Rated Flow	DSH083A	
	N.O.	11.3 LPM (3.0 GPM)
	N.C.	7.5 LPM (2.0 GPM)
	Selector	7.5 LPM (2.0 GPM)
	DSH083B	
	N.C.	15.0 LPM (4.0 GPM)
Maximum Inlet Pressure	DSH083N	
	N.O.	11.3 LPM (3.0 GPM)
	Selector	15.0 LPM (4.0 GPM)
	DSH083B	
	N.C.	15.0 LPM (4.0 GPM)
	Selector	15.0 LPM (4.0 GPM)
Leakage at 150 SSU (32 cSt)	160 cc/min. (10 in ³ /min.) at 350 Bar (5000 PSI) DSH083B - 250 cc/min. (15 in ³ /min.) DSH083N - 250 cc/min. (15 in ³ /min.)	
Minimum Operating Voltage	85% of rated voltage at 20°C (72°F).	
Response Time	50 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 (.28 lbs.)	
Cavity	C08-3 (See BC Section for more details)	

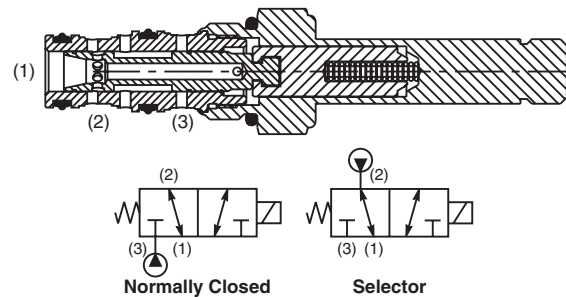


Construction/Symbols

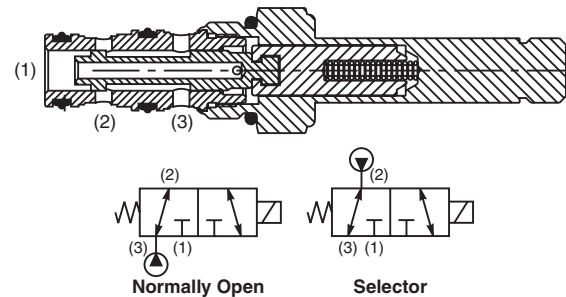
DSH083A



DSH083B

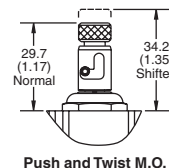
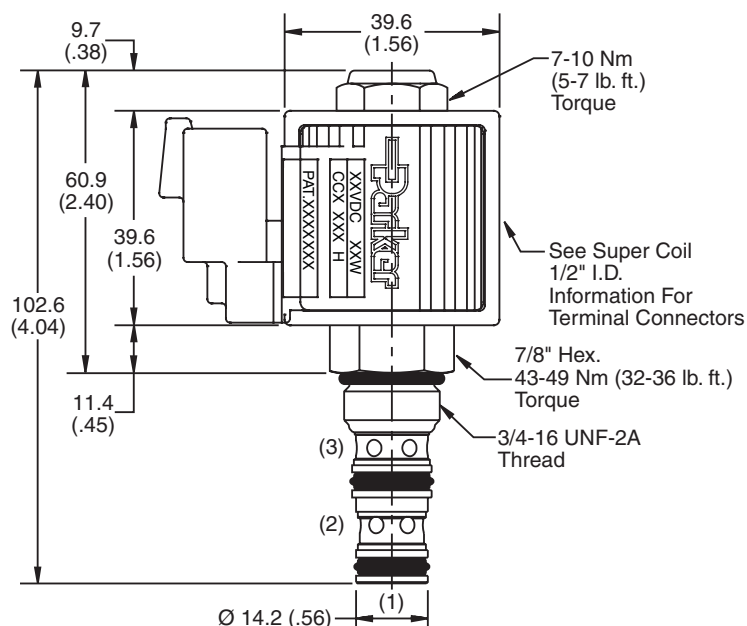


DSH083N



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

DSH083

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

Code	Style
A	
B	
N	

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

*Requires Super Coil.

Code	Seals
Omit	"D"-Ring

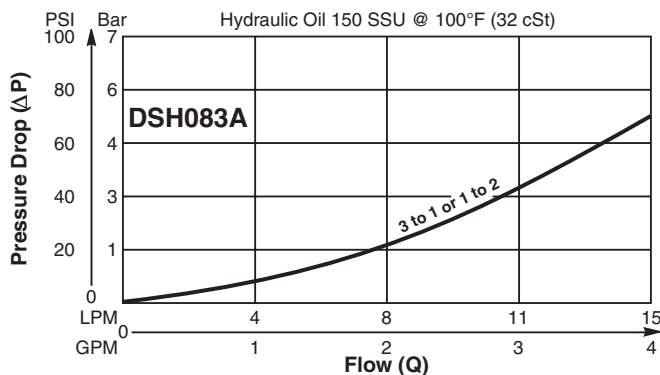
Kit	Part Number
D-Ring Seal	SK08-3
Nitrile Seal	SK08-3
Fluorocarbon Seal	SK08-3V

Order Bodies Separately
 See section BC

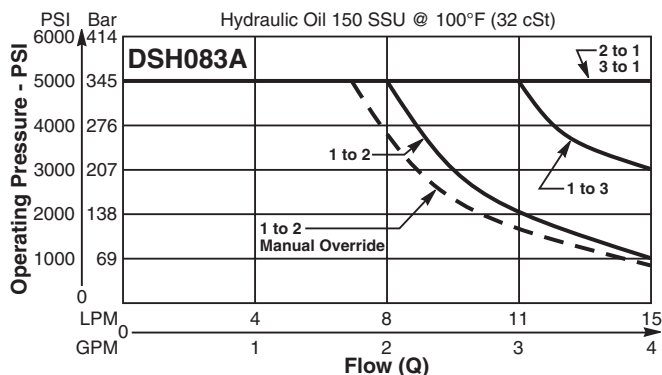
B08	—	3	—	6T
08 size		3-Way Cavity		Port Size

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

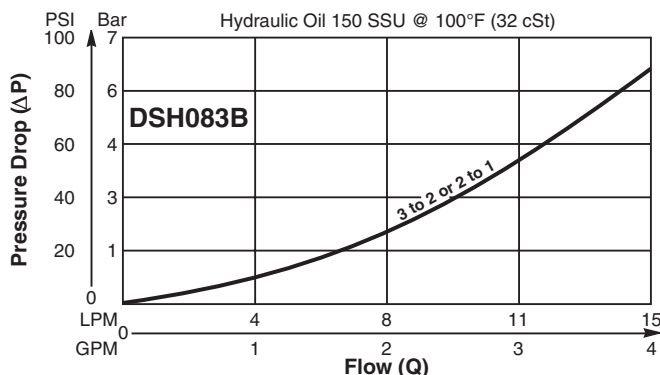
Pressure Drop vs. Flow (Through cartridge only)



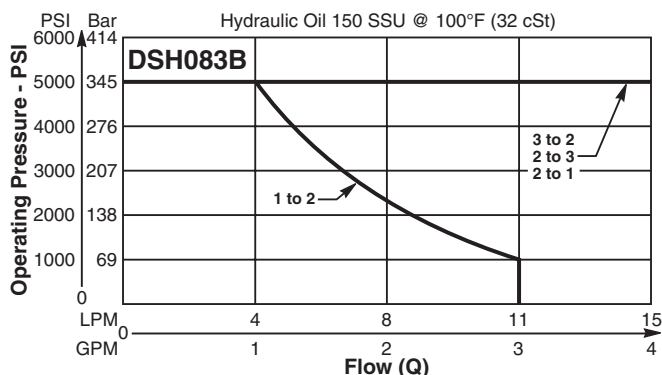
Shift Limit Characteristics (Min. Operating Voltage)



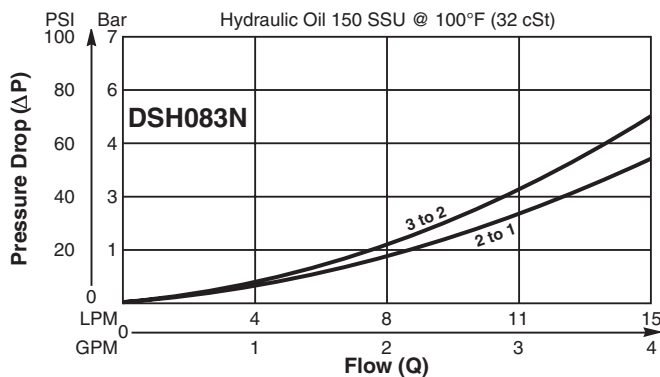
Pressure Drop vs. Flow (Through cartridge only)



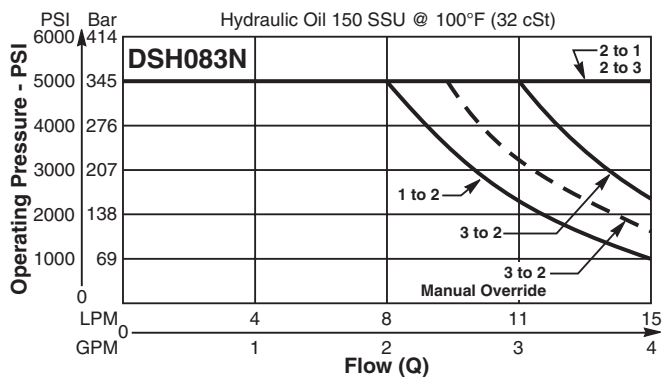
Shift Limit Characteristics (Min. Operating Voltage)



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