

General Description

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

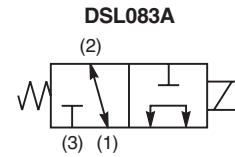
Features

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



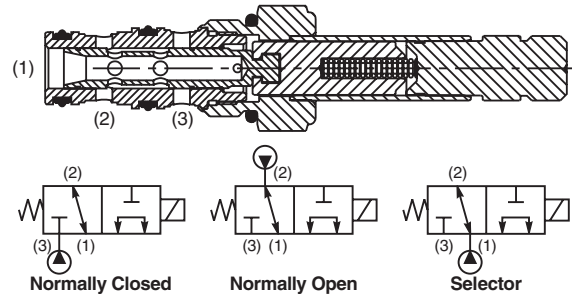
Specifications

Rated Flow	DSL083A N.O. 13.2 LPM (3.5 GPM) N.C. 8.4 LPM (2.25 GPM) Selector 8.4 LPM (2.25 GPM) DSL083B N.C. 15.0 LPM (4.0 GPM) Selector 15.0 LPM (4.0 GPM) DSL083C N.O. 15.0 LPM (4.0 GPM) DSL083N N.O. 12.3 LPM (3.25 GPM) Selector 15.0 LPM (4.0 GPM)
Maximum Inlet Pressure	250 Bar (3600 PSI)
Leakage at 150 SSU (32 cSt)	120 cc/min. (7.5 in ³ /min.) at 250 Bar (3600 PSI) DSL083B - 180 cc/min. (11 in ³ /min.) DSL083N - 180 cc/min. (11 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)
Form Tool	Rougher NFT08-3R Finisher NFT08-3F

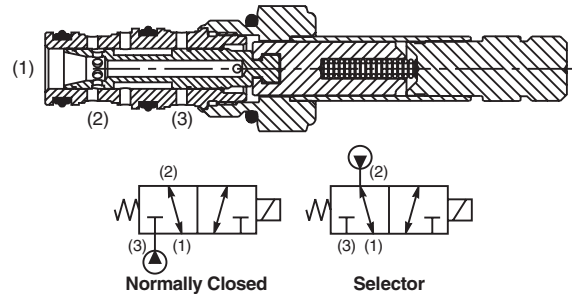


Construction/Symbols

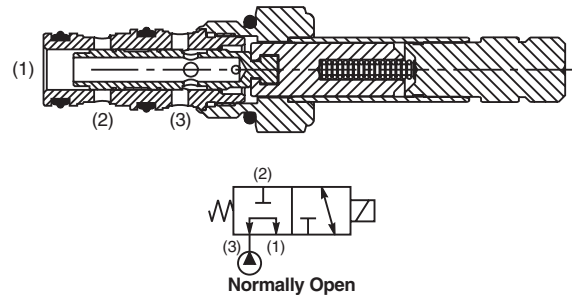
DSL083A



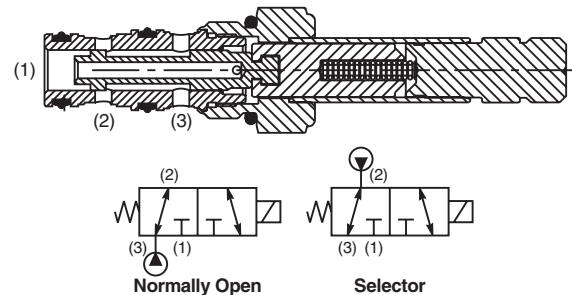
DSL083B



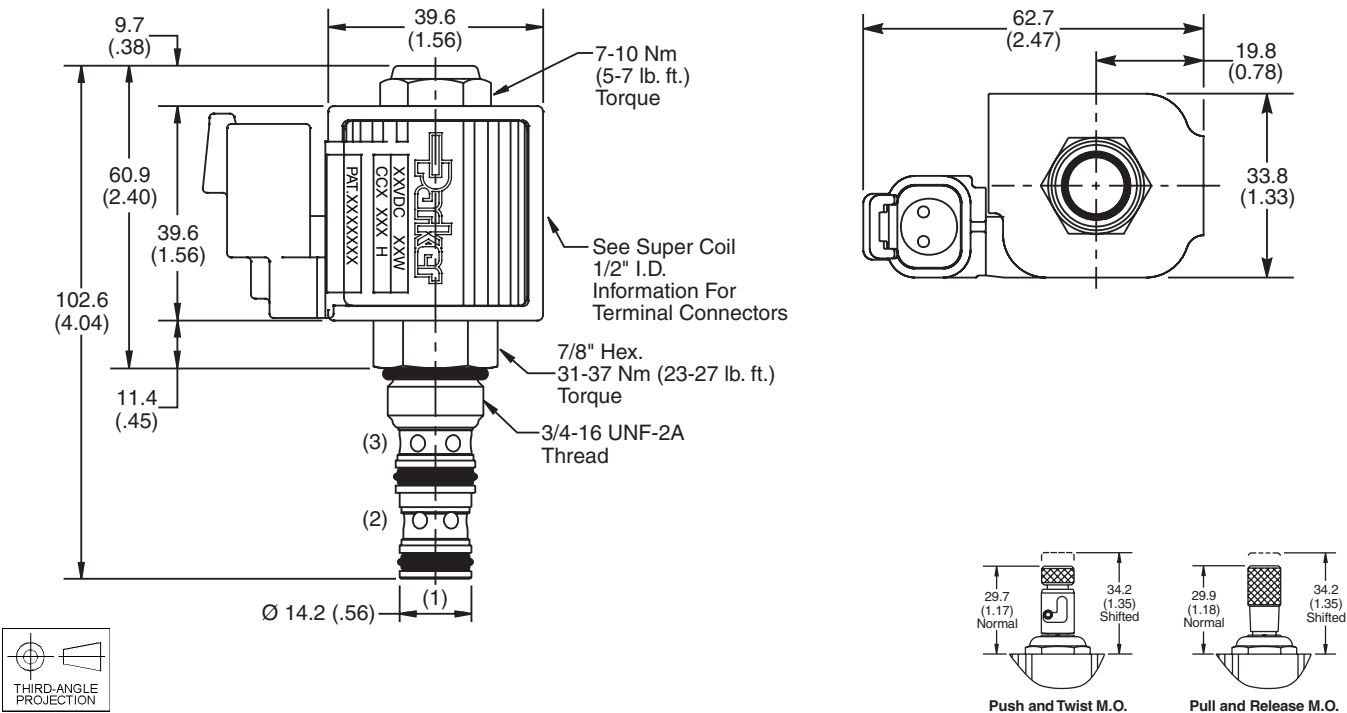
DSL083C



DSL083N



Dimensions Millimeters (Inches)



Ordering Information

DSL083			
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
A	
B	
C	
N	

Code	Override Options
Omit	None
P	Pull and Release
T	Push and Twist

Code	Seals / Kit No.
Omit	"D"-Ring / (SK08-3)
N	Nitrile (SK08-3)
V	Fluorocarbon / (SK08-3V)

Order Bodies Separately
See section BC

B08	—	3	—	
08 size		3-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
Cartpak Bodies
BC
Bodies & Cavities
TD
Technical Data

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

Cartpak
Bodies

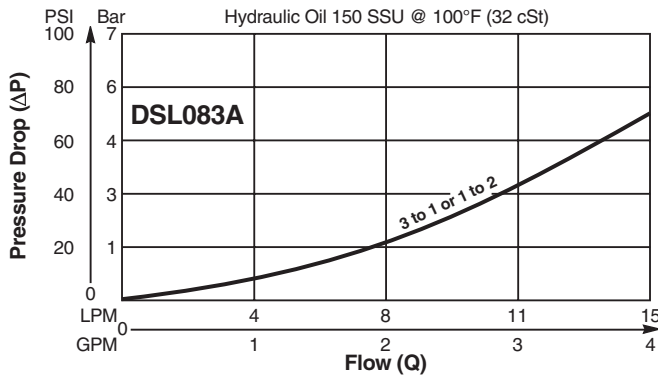
BC

Bodies &
Cavities

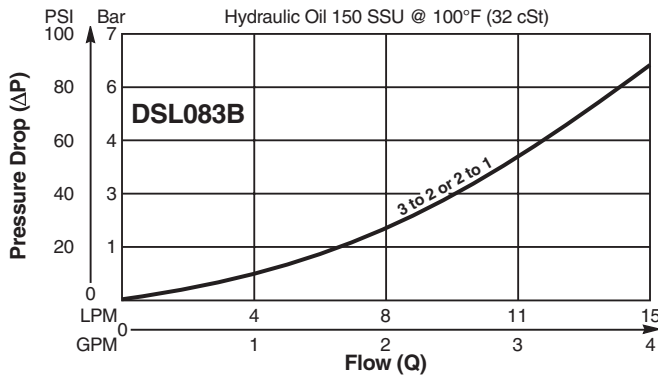
TD

Technical
Data

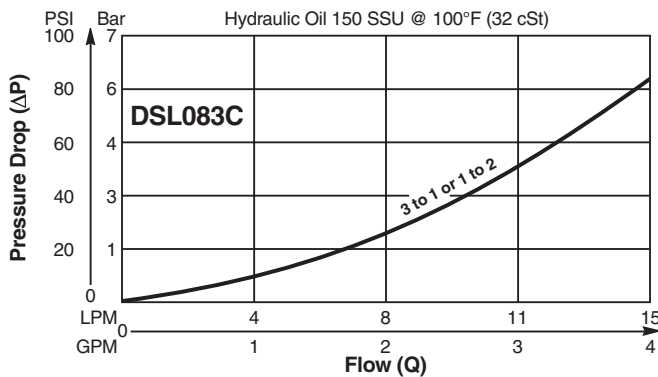
Pressure Drop vs. Flow (Through cartridge only)



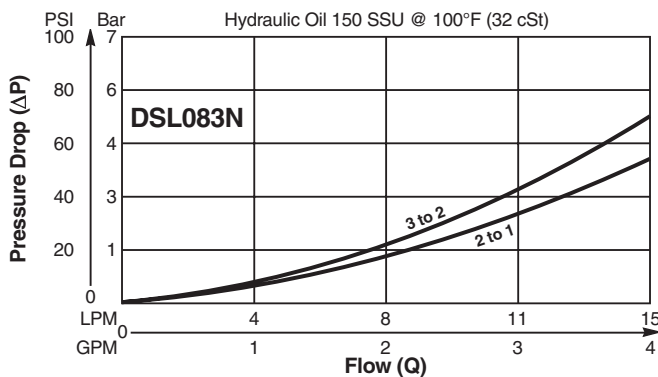
Pressure Drop vs. Flow (Through cartridge only)



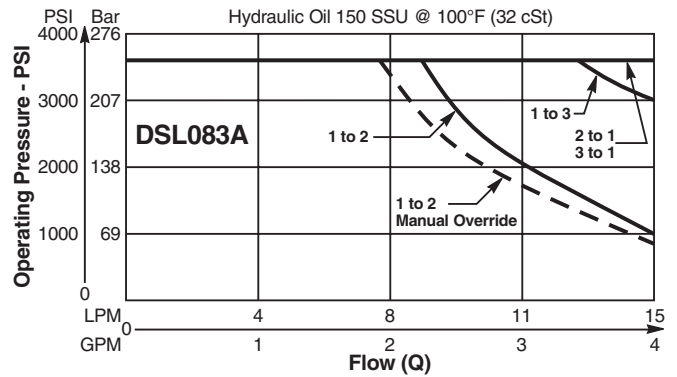
Pressure Drop vs. Flow (Through cartridge only)



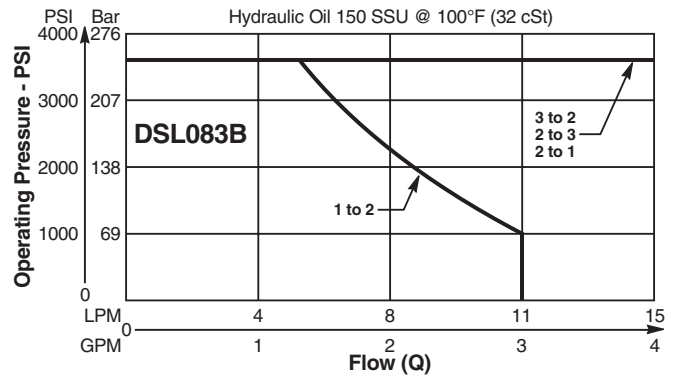
Pressure Drop vs. Flow (Through cartridge only)



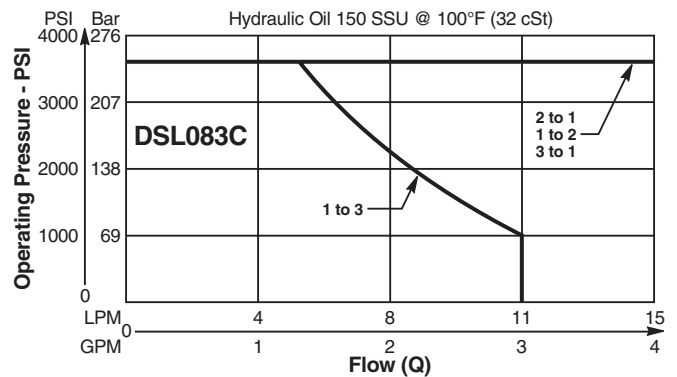
Shift Limit Characteristics (Min. Operating Voltage)



Shift Limit Characteristics (Min. Operating Voltage)



Shift Limit Characteristics (Min. Operating Voltage)



Shift Limit Characteristics (Min. Operating Voltage)

