

General Description

4-Way, 3 Position, Closed Center Manual Spool Valve. Designed to operate double acting cylinders, pilot circuits and bi-directional motors.

Features

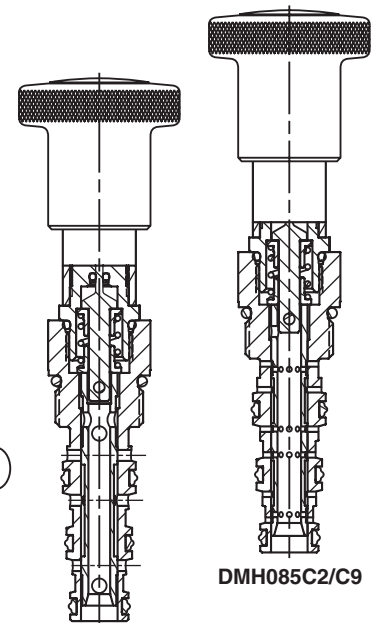
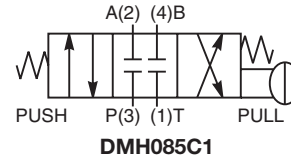
- High flow capacity with reduced space requirements
- One piece cartridge housing ensures internal concentricity
- Low mechanical operating force required
- Detented option available
- All external parts zinc plated

Operation

Push to shift for flow 3 to 2 and 4 to 1. Pull to shift for flow 3 to 4 and 2 to 1.

Specifications

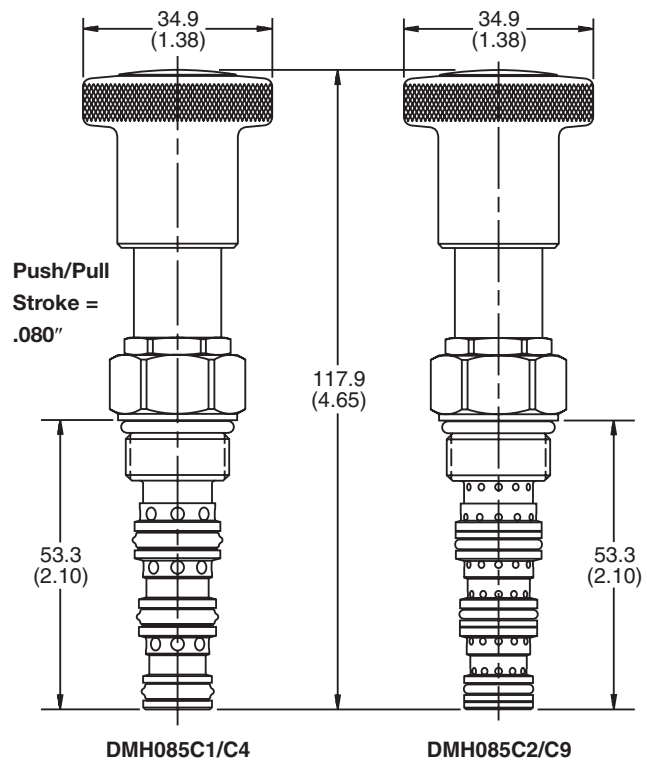
Rated Flow	C1 17 LPM (4.5 GPM) C2 15 LPM (4.0 GPM) C4 19 LPM (5.0 GPM) C9 15 LPM (4.0 GPM)
Operating Pressure	Side Ports - 350 Bar (5000 PSI) Bottom Port - 35 Bar (500 PSI)
Max. Operating Pushing or Pulling Force Required	5 kg (11 lbs.)
Cartridge Material	All parts steel. All operating parts hardened 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	.12 kg (.25 lbs.)
Cavity	C08-4 (See BC Section for more details)



DMH085C1/C4

Dimensions

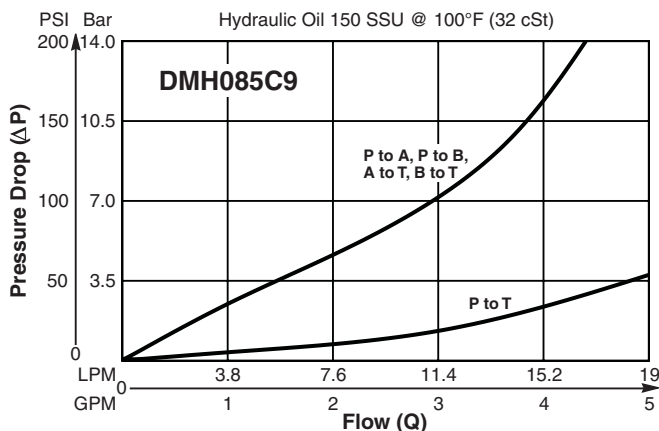
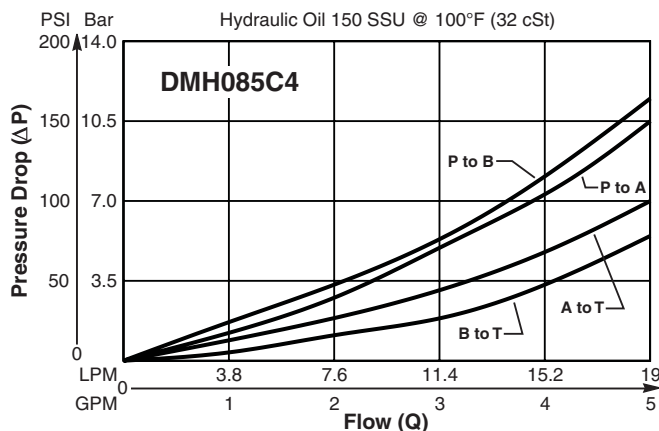
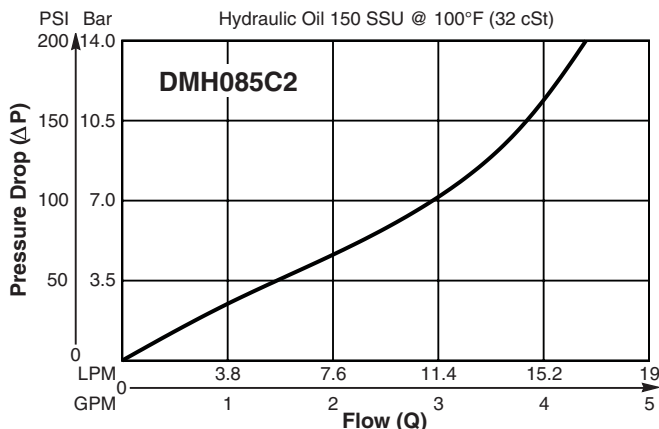
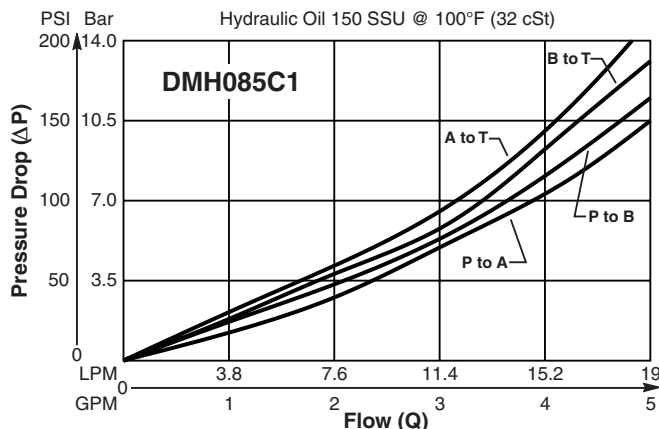
Millimeters (Inches)



Note: "D"-Rings are standard on all spool configurations, but optional Buna/Fluorocarbon configurations as shown on the C2/C9 drawing are also available.

Performance Curves

Pressure Drop vs. Flow (Through cartridge only)



Ordering Information

DMH085

08 Size, 4-Way
 Spool Type
 Manual Valve



Style



Detent
 Option



Seals

Code	Style
C1	
C2	
C4	
C9	

Code	Detent Option
Omit	Non-Detented (Std.)
D	Detented

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	Porting / Body Material
6T	SAE-8 / Steel (5000 PSI)
A6T	SAE-8 / Aluminium (3000 PSI)