

Technical Information

- 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
- BC** Bodies & Cavities
- TD** Technical Data

General Description

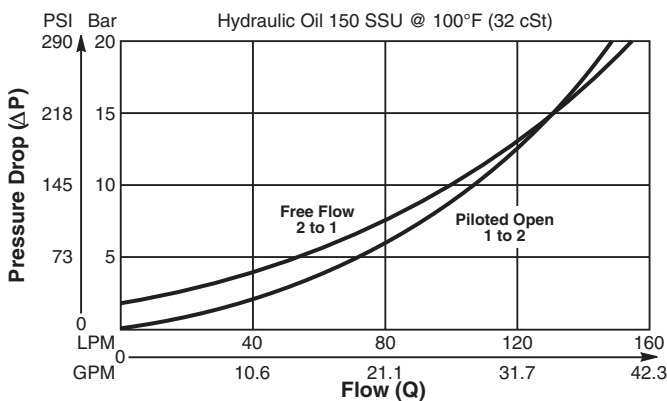
Pilot to Open, Poppet Type Check Valve. For additional information see Technical Tips on pages CV1-CV4.

Features

- Hardened poppet for maximum durability
- High flow capacity
- Low leakage - less than 3 drops/min.
- Sealed pilot
- Good contamination tolerance
- Cavity commonality with load control valves
- Dual line blocks available
- All external parts zinc plated

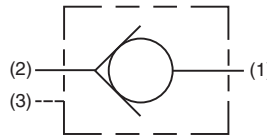
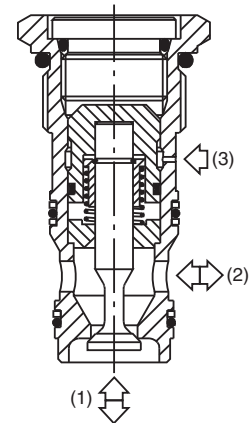
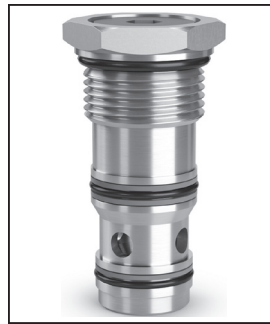
Performance Curve

Pressure Drop vs. Flow (Through cartridge only)

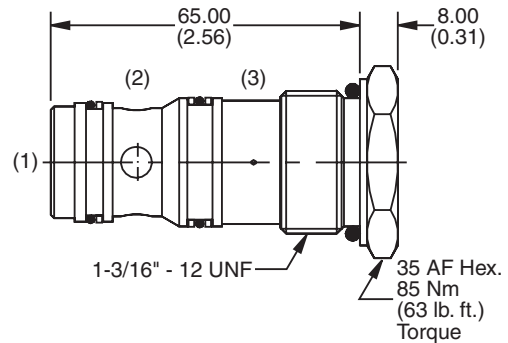


Specifications

Rated Flow	150 LPM (40 GPM)
Nominal Flow @ 7 Bar (100 PSI)	80 LPM (21 GPM) (Piloted Open)
Maximum Inlet Pressure	420 Bar (6000 PSI)
Leakage at 150 SSU (32 cSt)	Less than 3 drops/min.
Cracking Pressure	2 Bar (30 PSI)
Pilot Ratio	4:1
Cartridge Material	Steel operating parts, hardened steel poppet.
Operating Temp. Range/Seals	-34°C to +121°C (Nitrile, Buna-N) (-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	.24 kg (.528 lbs.)
Cavity	3C (See BC Section for more details)



Dimensions Millimeters (Inches)



Ordering Information

D3B125 **Seals**
 Check Valve

Code	Seals / Kit No.
N	Nitrile, Buna-N / (SK30008N-1)
V	Fluorocarbon / (SK30008V-1)

Order Bodies Separately

LB10
 Line Body Porting Body Material

Code	Porting
069	1" SAE (Main) 1/4" SAE (Aux.)
234	3/4" SAE Dual Cavity

Code	Body Material
A	Aluminum
S	Steel