

## 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

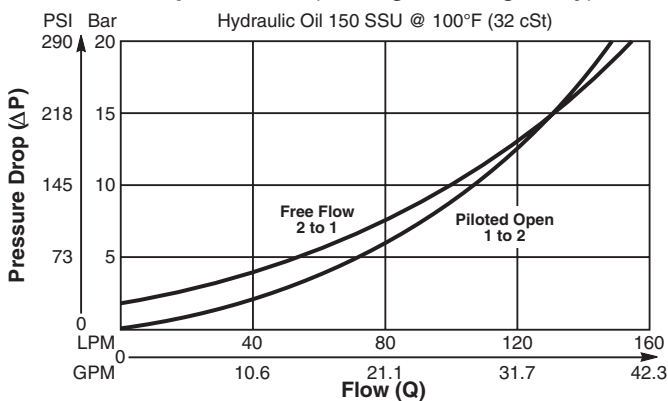
Pilot to Open, Poppet Type Check Valve. For additional information see Technical Tips on pages CV1-CV4.

## 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

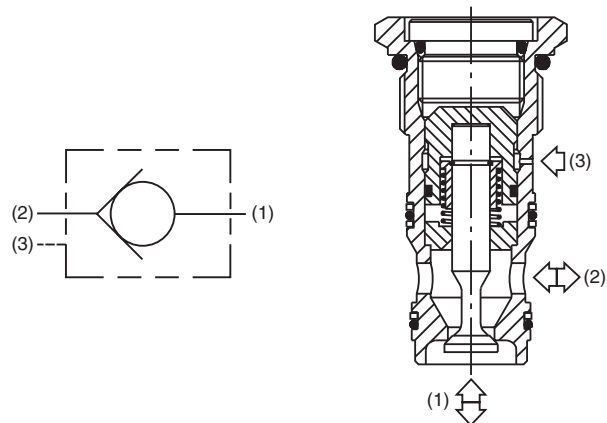
## Performance Curve

Pressure Drop vs. Flow (Through cartridge only)

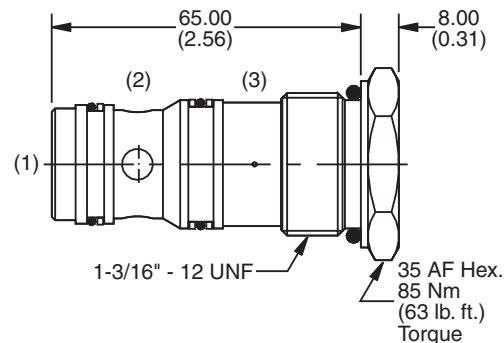


## Specifications

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	-40°C to +93.3°C (Nitrile, Buna-N) (-40°F to +200°F) -31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°F)
Fluid Compatibility/Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
Filtration	ISO code 16/13, SAE Class 4 or better
Approx. Weight	.24 kg (.528 lbs.)
Cavity	3C (See BC Section for more details)



## Dimensions Millimeters (Inches)



## Ordering Information

**D3B125**Check  
Valve

Seals

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
039	3/4" BSP (Main) 1/4" BSP (Aux.)
069	1" SAE (Main) 1/4" SAE (Aux.)
034	3/4" BSP Dual Cavity
234	3/4" SAE Dual Cavity

Code	Body Material
A	Aluminum
S	Steel