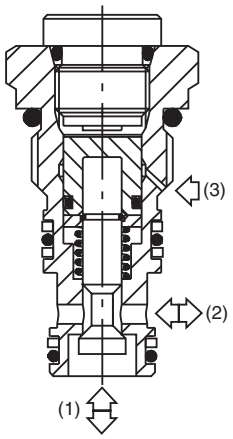
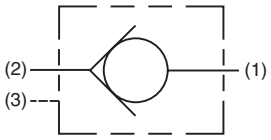
General Description

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

Features

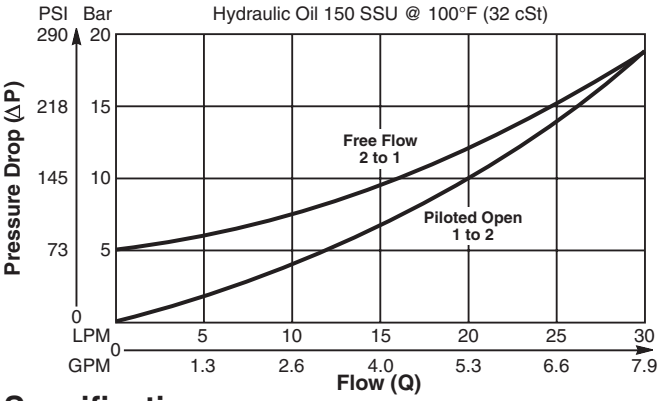
- Hardened poppet for maximum durability
- Low leakage - less than 3 drops/min.
- Sealed pilot
- Extremely compact construction - can be fitted directly into most cylinders
- Cavity commonality with load control valves
- Dual line blocks available
- All external parts zinc plated





Performance Curve

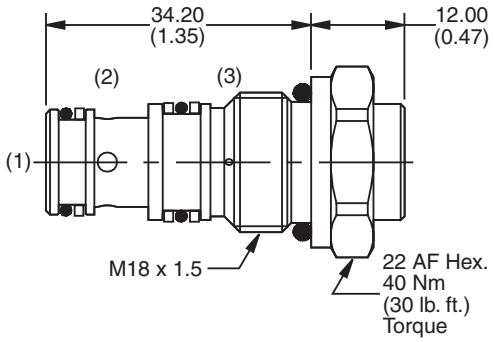
Pressure Drop vs. Flow (Through cartridge only)



Specifications

Rated Flow	30 LPM (8 GPM)
Nominal Flow @ 7 Bar (100 PSI)	16 LPM (4.2 GPM) (Piloted Open)
Maximum Inlet Pressure	420 Bar (6000 PSI)
Leakage at 150 SSU (32 cSt)	Less than 3 drops/min.
Cracking Pressure	5 Bar (72 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	.066 kg (.145 lbs.)
Cavity	53-1 (See BC Section for more details)

Dimensions Millimeters (Inches)



Ordering Information

D4A020 [ ]

Check Valve **Seals**

Code	Seals / Kit No.
N	Nitrile, Buna-N / (SK30090N-1)
V	Fluorocarbon / (SK30090V-1)

Order Bodies Separately

LB10 [ ] [ ]

Line Body **Porting** **Body Material**

Code	Porting
310	3/8″ BSP (Main) 1/4″ BSP (Aux.)
318	3/8″ SAE (Main) 1/4″ SAE (Aux.)
312	3/8″ BSP Dual Cavity
319	3/8″ SAE Dual Cavity

Code	Body Material
A	Aluminum
S	Steel