General Description

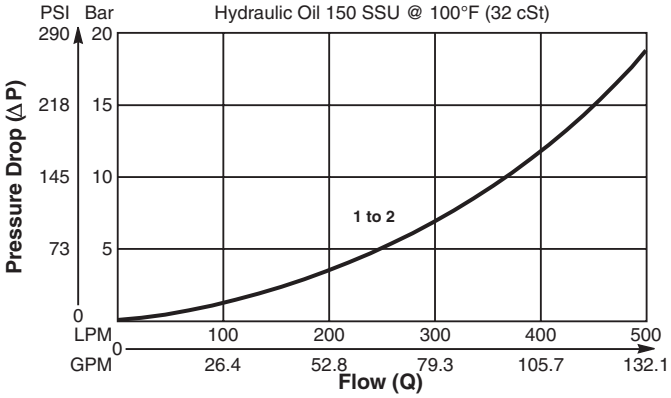
Poppet Type, Check Valve Insert.
For additional information see Technical Tips on pages CV2-CV3.

Features

- For inserting inside manifold blocks
- High Stable flow capacity (Contact the Factory for Highly dynamic application)
- Minimal leakage - less than 3 drops/min.
- Simple construction - extremely cost effective
- Good contamination tolerance
- Alternative 1"SAE or 1"BSP Retainer available separately

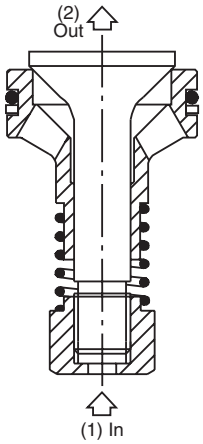
Performance Curve

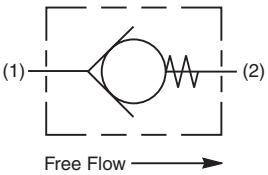
Pressure Drop vs. Flow (Through cartridge only)



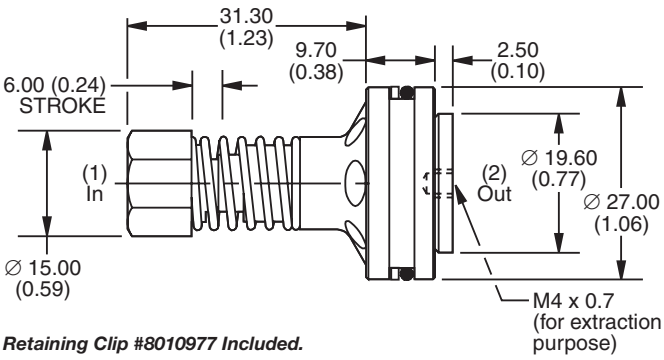
Specifications

Rated Flow	500 LPM (132 GPM)
Nominal Flow @ 7 Bar (100 PSI)	300 LPM (79GPM)
Maximum Inlet Pressure	420 Bar (6000 PSI)
Leakage at 150 SSU (32 cSt)	Less than 3 drops/min.
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	0.6 kg (0.13 lbs.)
Cavity	2C (See BC Section for more details)





Dimensions Millimeters (Inches)



Retaining Clip #8010977 Included.

Ordering Information

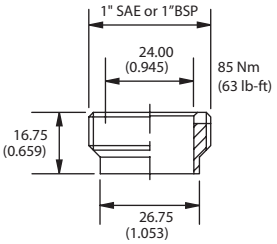
D1B125	–		N
Check Valve Insert		Cracking Pressure	Seals

Highlighted represents preferred options that offer the shortest lead times. Other options may be available, but at extended lead times.

Code	Cracking Pressure
0.2	0.2 Bar (3 PSI)
1.0	1.0 Bar (15 PSI) Std.
5.0	5.0 Bar (72 PSI)

Code	Seals
N	Nitrile

Retainer



Kit	Part Number
Threaded Retainer (1"SAE)	RT10002
Threaded Retainer (1"BSP)	RT10001
Nitrile Seal	SK30014N-1
Fluorocarbon Seal	SK30014V-1