

CV Check Valves
SH Shuttle Valves
LM Load/Motor Controls
FC Flow Controls
PC Pressure Controls
LE Logic Elements
DC Directional Controls
SV Solenoid Valves
PV Proportional Valves
CE Coils & Electronics
BC Bodies & Cavities
TD Technical Data

General Description

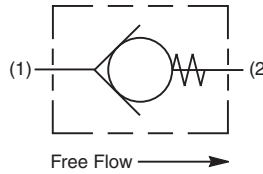
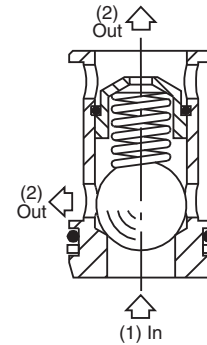
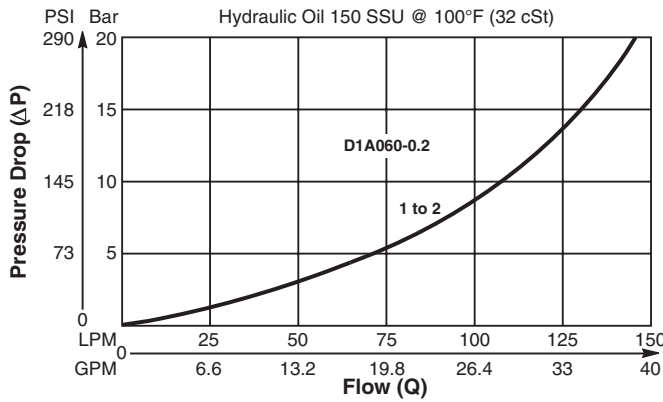
Ball Type, Check Valve Insert. For additional information see Technical Tips on pages CV1-CV2.

Features

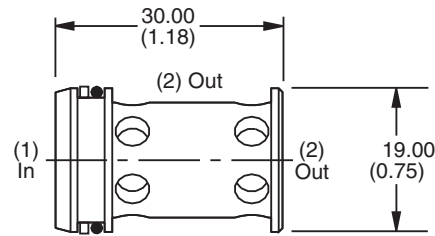
- For inserting inside manifold blocks
- High flow capacity
- Minimal leakage - less than 3 drops/min.
- Simple construction - extremely cost effective
- Range of cracking pressures available
- Good contamination tolerance

Performance Curve

Pressure Drop vs. Flow (Through cartridge only)



Dimensions Millimeters (Inches)



Specifications

Rated Flow	145 LPM (38 GPM)
Nominal Flow @ 7 Bar (100 PSI)	90 LPM (24 GPM)
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 ball.
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	.085 kg (.19 lbs.)
Cavity	2U (See BC Section for more details)

Ordering Information

D1A060 — **N**
 Check Valve Insert Cracking Pressure Seals

Order Bodies Separately See section BC

Code	Cracking Pressure
0.2	0.2 Bar (3 PSI) Std.
1.0	1.0 Bar (15 PSI)
2.0	2.0 Bar (30 PSI)
3.0	3.0 Bar (45 PSI)

LB10 **205** **S**
 Line Body Porting Body Material

Code	Seals / Kit No.	Operating Temp.
N	Nitrile, Buna-N / (SK30019N-1)	-34°C to +121°C (-30°F to +250°F)

Code	Porting
205	1/2" BSP

Code	Body Material
S	Steel