

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

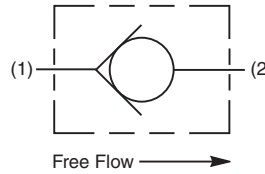
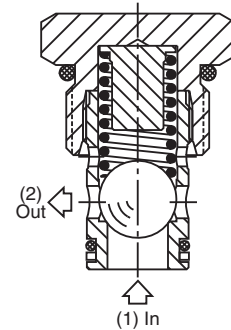
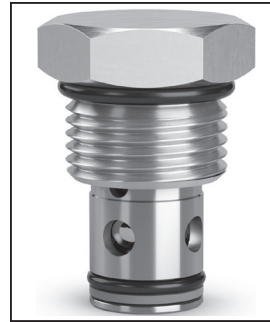
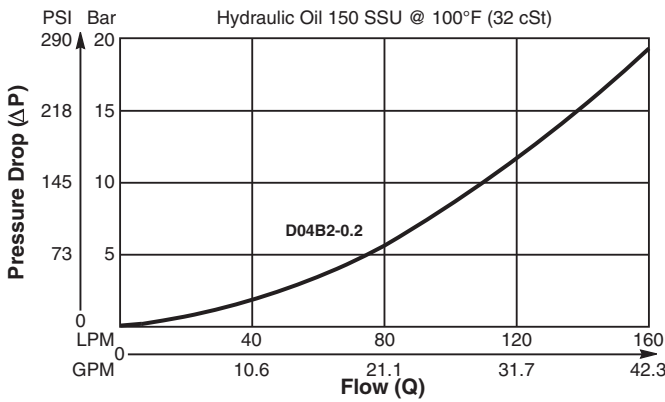
Ball Type Check Valve. For additional information see Technical Tips on pages CV1-CV2.

Features

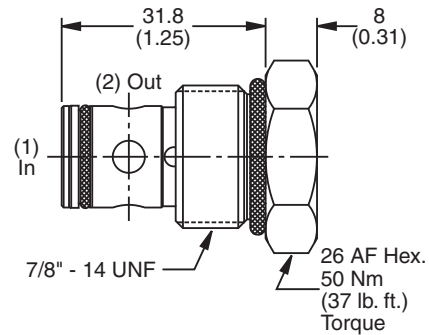
- Low leakage - less than 3 drops/min.
- Ball type construction for cost effective design
- Single and dual pilot pistons available to create pilot to open check
- Range of cracking pressures available
- Good contamination tolerance
- All external parts zinc plated

Performance Curve

Pressure Drop vs. Flow (Through cartridge only)



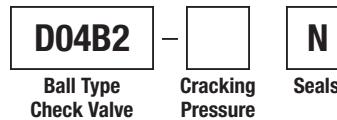
Dimensions



Specifications

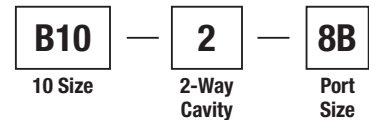
Rated Flow	160 LPM (42 GPM)
Nominal Flow @ 7 Bar (100 PSI)	90 LPM (24 GPM)
Maximum Inlet Pressure	420 Bar (6000 PSI)
Leakage at 150 SSU (32 cSt)	3 drops/min.
Cartridge Material	Steel operating parts, hardened steel ball.
Fluid Compatibility/Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
Filtration	ISO-4406 18/16/13, SAE Class 4
Approx. Weight	.08 kg (.18 lbs.)
Cavity	C10-2 (See BC Section for more details)

Ordering Information



Order Bodies Separately
 See section BC

Code	Cracking Pressure
0.2	0.2 Bar (3 PSI) Std.
1.0	1.0 Bar (15 PSI)
2.1	2.1 Bar (30 PSI)
10.0	10.0 Bar (145 PSI)



Code	Seals / Kit No.	Operating Temp.
N	Nitrile, Buna-N / (SK30516N-1)	-34°C to +121°C (-30°F to +250°F)

Port Size
1/2" BSP

Body Material
Steel