

General Description

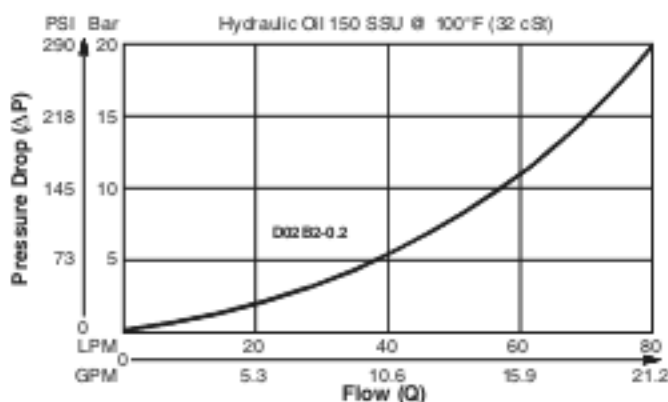
Ball Type Check Valve. For additional information see Technical Tips on pages CV1-CV4.

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 - up to 25 Bar (362 PSI)
- Good contamination tolerance
- All external parts zinc plated

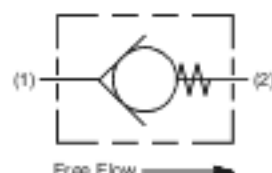
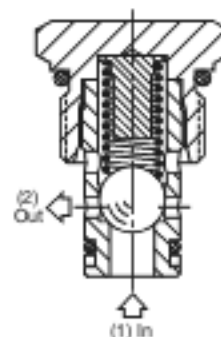
Performance Curve

Pressure Drop vs. Flow (Through cartridge only)

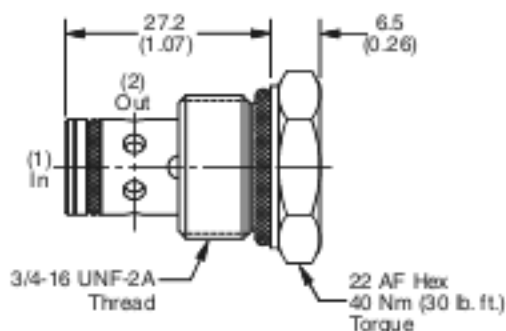


Specifications

Rated Flow	80 LPM (21 GPM)
Nominal Flow @ 7 Bar (100 PSI)	45 LPM (12 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.
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	.05 kg (.11 lbs.)
Cavity	C08-2 (See BC Section for more details)



Dimensions



Ordering Information

D02B2	—		—		
Ball Type Check Valve	Cracking Pressure	Seals	Body Material	Port Size	

Code	Cracking Pressure
0.0	0.0 Bar (0 PSI)
0.2	0.2 Bar (3 PSI) Std.
1.0	1.0 Bar (15 PSI)
1.5	1.5 Bar (22 PSI)
2.1	2.1 Bar (30 PSI)
2.5	2.5 Bar (36 PSI)
3.4	3.4 Bar (50 PSI)
4.0	4.0 Bar (58 PSI)
6.0	6.0 Bar (87 PSI)
6.9	6.9 Bar (100 PSI)
10.0	10.0 Bar (145 PSI)
17.0	17.0 Bar (247 PSI)
20.0	20.0 Bar (290 PSI)
25.0	25.0 Bar (362 PSI)

Code	Seals / Kit No.
N	Nitrile, Buna-N / (SK30515N-1)
V	Fluorocarbon / (SK30515V-1)

Code	Body Material
Omit	Steel
A	Aluminum

Code	Port Size	Body Part No.
Omit	Cartridge Only	
4P	1/4" NPTF	(B08-2-"4P)
6P	3/8" NPTF	(B08-2-"6P)
4T	SAE-4	(B08-2-"4T)
6T	SAE-6	(B08-2-"6T)
6B	3/8" BSPG	(B08-2-"6B)

* Add "A" for aluminum, omit for steel.