

15CV-Single Ferrule Compression Check Valves

Introduction

Hikelok O-Ring check valves with single-ferrule compression sleeve connection type. Provide unidirectional flow and tight shut-off for liquids and gases with high reliability. When differential drops below cracking pressure, valve shuts off. Hikelok Ball check valves prevent reverse flow where leak-tight shut-off is not mandatory. When differential drops below cracking pressure, valve closes. With all-metal components, valve can be used up to 650°F(343°C).

Features

- Viton (FKM) O-ring: 0° to 400°F (-18° to 204°C)
- Buna-N O-ring: 0° to 250°F (-18° to 121°C)
- FFKM O-ring: 30° to 500°F (-18° to 260°C)
- PTFE O-ring: -100° to 400°F (-73° to 204°C)
- PTFE O-ring with Low Temp Spring: to -100°F (-73°C)
- Ball and poppet are an integral design to assure positive, in-line seating. Poppet is designed essentially for axial flow with minimum pressure drop



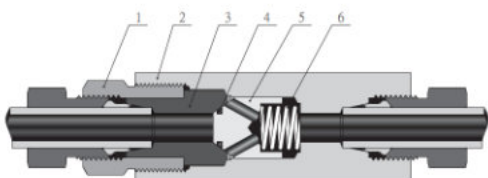
Advantages

- Cracking Pressure: 20 psi (1.38 bar) $\pm$ 30%. Springs for higher cracking pressures up to 100 psi available on special order for O-ring style check valves only
- Cracking Pressure: 20 psi (1.38 bar) $\pm$ 30% Optional cracking pressures not available in Ball Style Check Valves
- Installation: Vertical or Horizontal as required. Flow Direction Arrow marked on valve body.

More Options

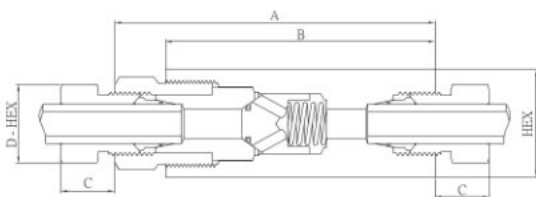
- Optional Monel, Inconel 600, Titanium Grade 2, Hastelloy C276, Inconel 625, and Incoloy 825
- Optional ball type check valves

Standard Materials

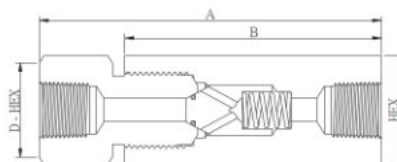


Item	Component	Valve Material
1	Cover Gland	316 SS/A479
2	Valve Body	316 SS/A479
3	Cover	316 SS/A479
4	O-Ring	Fluorocarbon FKM
5	Poppet	316 SS/A479
6	Spring	300 Series Stainless Steel
Lubricant		Molybdenum disulfide

Technical Data and Dimensions (1/4", 3/8" and 1/2" sizes, tubing or NPT)



Orifice in.(mm)	Rated Cv	A	B	C	D - HEX	HEX	Pressure/Temperature Rating psig (bar) @ Room Temperature
		in. (mm)					
0.188 (4.78)	0.63	3.18 (80.77)	2.56 (65.02)	0.44 (11.18)	0.63 (16.00)	0.81 (20.57)	15,000 (1034)
0.250 (6.35)	1.70	3.56 (90.42)	3.00 (76.20)	0.53 (13.46)	0.75 (19.05)	1.00 (25.40)	15,000 (1034)
0.375 (9.53)	3.40	4.18 (106.17)	3.50 (88.90)	0.53 (13.46)	0.93 (23.62)	1.38 (35.05)	15,000 (1034)



Orifice in.(mm)	Rated Cv	A	B	D - HEX	HEX	Pressure/Temperature Rating psig (bar) @ Room Temperature
		in. (mm)				
0.12 (3.05)	0.28	3.37 (85.60)	2.38 (60.33)	0.94 (23.81)	0.94 (23.81)	15,000 (1034)
0.22 (5.59)	0.84	3.95 (100.33)	2.88 (73.15)	1.13 (28.58)	1.13 (28.58)	15,000 (1034)
0.34 (8.70)	2.30	4.63 (117.50)	3.5 (88.90)	1.38 (34.93)	1.38 (34.93)	15,000 (1034)