

Check Valves

Pressures to 65,000 psi

O-Ring Check Valves



O-Ring Check Valves

MAXIMATOR o-ring check valves provide high quality directional flow control and tight shutoff for liquids and gases. All check valves are supplied with glands and collars. These check valves are not to be used as a relief device. The opening pressure of the O-Ring check valves is approximately 20 psi.

Materials.

Body, cover, poppet, cover gland: 316 series stainless steel

Spring: 300 series stainless steel

O-ring: Viton "A" (-4 °F to 392 °F)*

Ball Check Valves



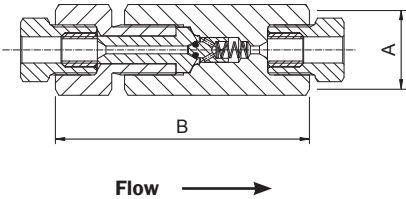
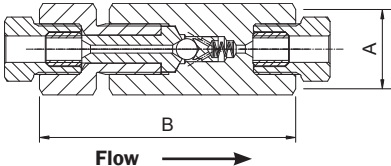
Ball Check Valves

MAXIMATOR ball check valves prevent reverse flow where bubble tight shutoff is not mandatory. These check valves are designed with a ball cradled floating poppet to assure positive inline seating. This poppet design allows full flow around the ball to minimize pressure drop. Check valves are rated to 660 °F*. All check valves are supplied with glands and collars. These check valves are not to be used as a relief device. The opening pressure of the ball check valves is approximately 20 psi.

Materials.

Body, cover, poppet, cover gland: 316 series stainless steel

Ball and spring: 300 series stainless steel

Valve Pattern	Catalog Number	Pressure Rating (psi)	O.D. Tube (in.)	Conne- ction Type	Orifice (in.)	Rated (Cv)	Dimensions (in.)	
							A (Hex.)	B
O-Ring Check Valves								
	650C4H	65,000	1/4	4HF	0.094	0.15	1.19	3.40
	650C6H	65,000	3/8	6HF	0.125	0.28	1.19	3.81
	650C9H	65,000	9/16	9HF	0.188	0.63	1.63	4.61
	430C16M	43,000	1	16MF	0.438	4.30	2.00	6.43
Ball Check Valves								
	65BC4H	65,000	1/4	4HF	0.094	0.15	1.19	3.40
	65BC6H	65,000	3/8	6HF	0.125	0.28	1.19	3.81
	65BC9H	65,000	9/16	9HF	0.188	0.63	1.63	4.61
	43BC16M	43,000	1	16MF	0.438	4.30	2.00	6.43

CAUTION: FREQUENT INSPECTIONS of O-Rings are necessary to ensure proper service of the check valve. O-Rings have shown satisfactory service life in testing, however different service conditions may lead to variations in cycle and shelf life.

All dimensions are for reference only and subject to change.

*See page 2 in the Technical Section for determining operating pressures above room temperature.