



GLASS BALL CHECK VALVES - CSF

The ball check valves with sight glass CSF are used for flow monitoring in pipe in a wide range of applications with corrosive and toxic processes.

These valves lined with PFA-fluorine polymer combine the characteristics of the non-return valve and sight glass for a clear view of the passage of fluid thanks to heavy wall borosilicate glass.

The CSF valves are suitable for connection with flanges according to DIN EN 1092-1 or ANSI B16.5 150/300 class from DN 25-1" to DN 150-6".

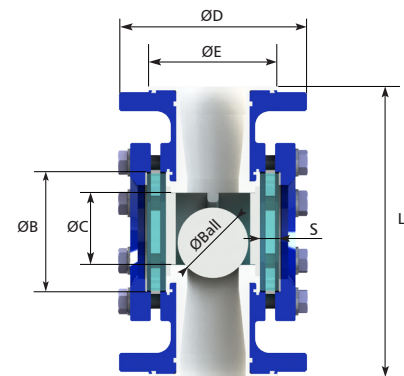
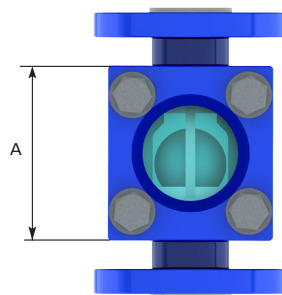
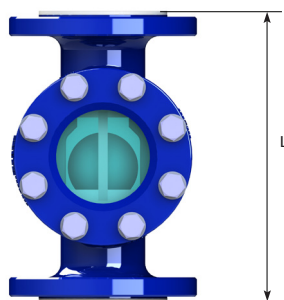
KEY FEATURES

- * Made of carbon steel, RAL 5005 signal-blue coating or stainless steel 304L/316L
- * Linings made of PFA or PFA-AS (conductive)
- * Borosilicate transparent glass
- * Tie rods, nuts and washers in stainless steel A2-70
- * On request FEP shield glass protection for fluorine service
- * Made in Italy

CE Conformity acc. to European Pressure Equipment Directive 2014/68/UE (PED)

OPERATING CONDITIONS

- * Temperature range from -40°C (-40°F) up to +200°C (+392°F), depending on body material.
- * Pressure range from full vacuum up to 10 bar (145 PSI), depending on size/pressure/temperature.
- * Pressure and tightness testing acc. to EN 12266-1, leakage rate A.



DN	L (mm)		A (mm)	ØB (mm)	S (mm)	ØC (mm)	ØD (mm)		ØE (mm)		Bolting (n x Ø)	ØBALL (mm)	Weight (Kg)	
	DIN	ANSI					DIN	ANSI	DIN	ANSI			DIN	ANSI
25 - 1"	160	152 ⁽¹⁾	∅ 85	63	10	48	115	107,9	68	51	4xM12	35	5,6	4,9
40 - 1½"	200	178 ⁽¹⁾	∅ 107	80	12	65	150	127,0	88	73	4xM16	50	9,7	8,9
50 - 2"	230	203 ⁽¹⁾	∅ 120	100	15	80	165	152,4	102	92	4xM16	60	13,0	12,0
80 - 3"	310	310 ⁽¹⁾	∅ 190	125	15	100	200	190,5	138	127	8xM16	75	26,0	27,0
100 - 4"	350	350 ⁽¹⁾	∅ 210	150	20	125	220	228,6	158	158	8xM16	115	34,0	35,0
150 - 6"	480	480 ⁽¹⁾	∅ 285	175	20	142	285	279,4	212	212	8xM20	165	75,0	75,0

Face to face according to ANSI-EN 558-1 range 10

⁽¹⁾ Face to face according to DIN 3202 - F1 - ⁽¹⁾ Face to face according to ANSI EN 558-1 range 10 up to DN 2"

ATTENTION: Thermal Shock Resistance of Borosilicate-Glass is according to DIN 7080 t=max 80°C (176°F)

