FLOWTEF®

BALL CHECK VALVES - VCF

PFA-HP lined VCF ball valves are used to prevent the return of liquids, gases and vapors to pipes. These valves are used when it is important to ensure high resistance to extremely toxic and corrosive fluids or when pure fluids are circulating without getting in contact with metals (eg H2O2) or require easy to clean anti-adhesive surfaces.
VCF valves are suitable for connection to flanges according to DIN EN 1092-1 or ANSI B16.5 class 150/300.

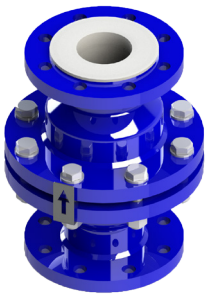
CE Conformity acc. to European Pressure Equipment Directive 2014/68/UE (PED)

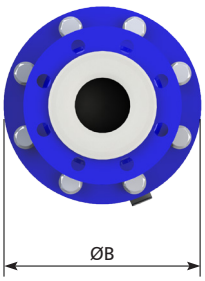
KEY FEATURES

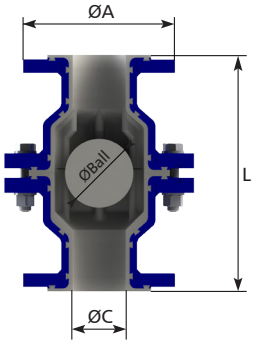
* 2 piece bodies made of carbon steel, RAL 5005 signal-blue coating or stainless steel 304L/316L
* Linings made of PFA, PFA-AS (conductive) or PVDF
* Solid PTFE ball, hollow PTFE ball or steel ball PTFE encapsulated
* Face to face according to EN 558-1, range 10
* Tie rods, nuts and washers in stainless steel A2-70
* On request gas tightness perfluoroelastomer o-ring
* Made in Italy

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 according to EN 12266-1, leakage rate A







DN	ØA (mm)		ØB (mm)	ØC (mm)	L (mm)		ØBall (mm)	Weight (Kg)	
	DIN	ANSI			DIN	ANSI		DIN	ANSI
15 - ½"	95	89	105	14	130	130(1)	20	4,5	4,5
20 - ¾"	105	98	115	14	150	150(1)	25	5,0	5,0
25 - 1"	115	108	140	20	160	152	35	6,5	5,8
40 - 1½"	150	127	165	33	200	178	50	8,0	7,2
50 - 2"	165	152	185	46	230	203	60	13,0	11,7
80 - 3"	200	190	220	70	310	241	90	23,0	20,7
100 - 4"	220	228	254	92	350	292	115	32,0	28,8
150 - 6"	285	279	343	142	356(2)	356	165	57,0	57,0
200 - 8"	340	343	482	188	457(2)	457	240	130,0	130,0

(1) Face to face according toDIN 3202-F1
(2) Face to face according to ANSI EN 558-1 range 10

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Subject to technical modification.

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