

Ball check valves - Type 11133



Flanged and threaded type

Features:

Maximum working pressure 16 bar up to DN200, bigger sizes 10 bar.
Valid for installation between PN10 or PN16 flanges or BSP thread.
Temperature from -10°C to +80°C
Minimum differential pressure to ensure water tightness 0,5 bar.
Full bore.
Easy maintenance.
Anti-corrosion epoxy coating.

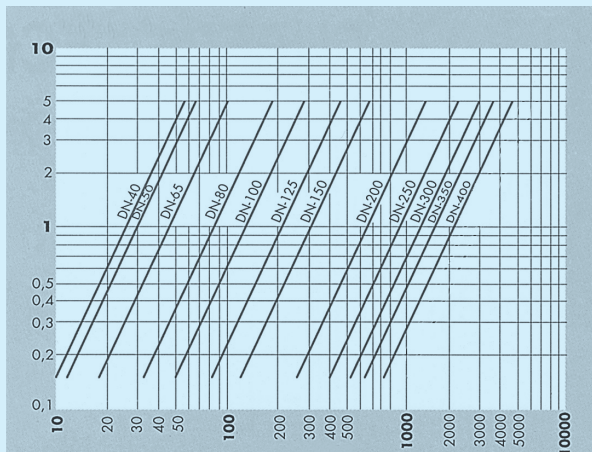
Operation:

Operation is based on a free ball housed inside the body which is pushed by the pumped flow to the side cavity, allowing the liquid to pass through. When the pump stops and the ball is no longer pushed aside, it takes up a position in the inlet port and prevents flow return.

Ball check valve specially designed for pumping waste water.
It can also be used with clean water because of its low headloss.

Pressure drop:

Flanged type



Threaded type

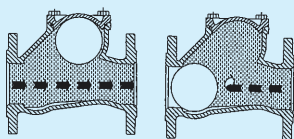
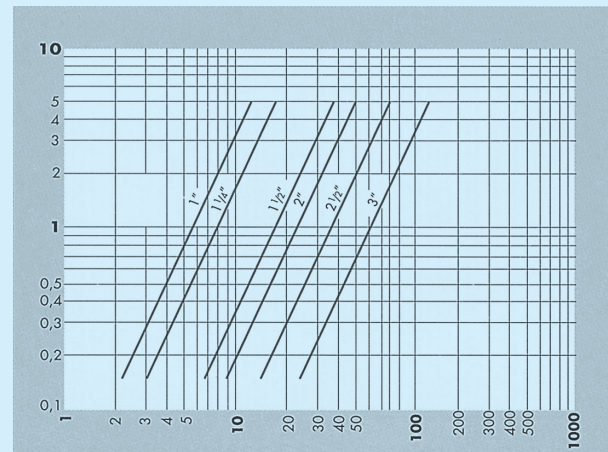


Figure 1

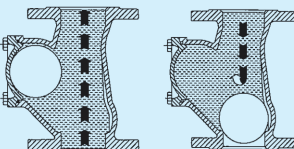


Figure 2

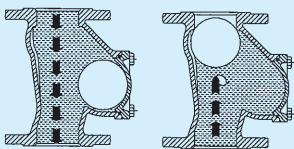


Figure 3

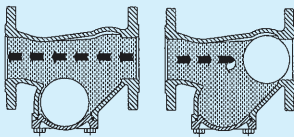


Figure 4

Internal ball types:

Ball check valves may also be supplied with balls of lower weight depending on particular requirements.

Floating balls may be supplied on request for the following models to work as a dual-purpose vent (air admission and discharge):

- Flanged type: ND-80 to ND-200
- Threaded type: ND 40 to ND 65

Installation:

May be fitted horizontally or vertically.

- Horizontal flow
Valves to be installed with cover at the top, as figure 1
- Vertical flow upwards
Valves to be installed as figure 2
- Floating ball-check valves

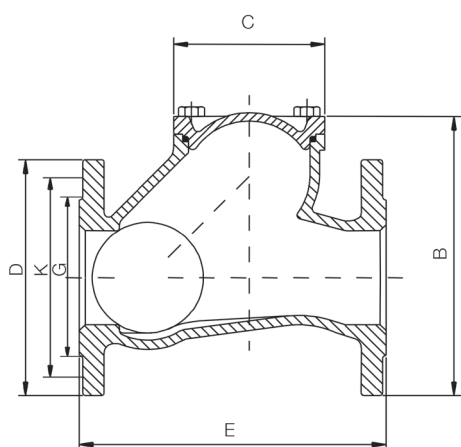
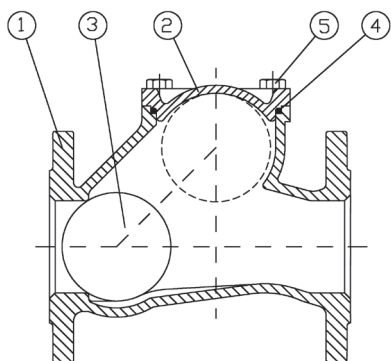
Ball check valves can be fitted as an air valve (vertically installed) or to prevent used water from flowing back. In this case, valves can be installed in either horizontal or vertical pipes, but they must always be fitted as shown in figure 3 for upward vertical flow and according to figure 4 for horizontal flow.

Ball check valves Type 11133



Materials and dimensions

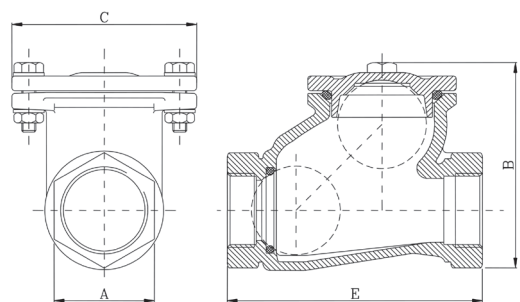
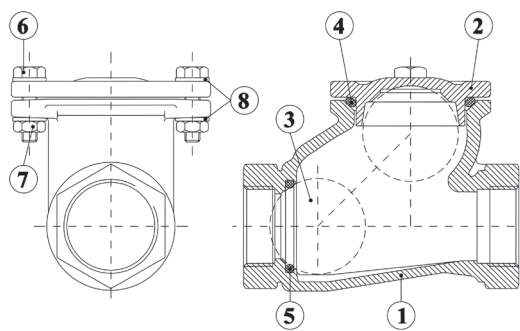
Flanged type



N°	NAME	N° OF PARTS	MATERIAL
1	BODY	1	GGG-40
2	BALL	1	DN 40/200 ALUMINIUM+NITRYL DN 250/400 GGG-40+NITRYL
3	BONNET	1	GGG-40
4	BODY BONNET GASKET	1	NITRILE
5	BOLTS	ACC/DN	STAINLESS STEEL

DN		ISO 2531 PN-10				E	C	B	KVo m3/h	Weight Kg
mm	"	D	K	G	n°xd					
40	1 1/2	150	110	88	4x19	180	95	172	80	7,5
50	2	165	125	102	4x19	200	95	180	90	8,5
65	2 1/2	185	145	122	4x19	240	114	210	140	12
80	3	200	160	138	8x19	260	128	240	253	15
100	4	220	180	158	8x19	300	160	285	396	22
125	5	250	210	188	8x23	350	200	330	642	34
150	6	285	240	212	8x23	400	230	390	962	45
200	8	340	295	268	8x28	500	320	480	1990	80
250	10	400	350	320	12x28	600	414	600	3100	135
300	12	450	400	370	12x28	700	460	680	4100	200
350	14	505	460	430	16x28	850	596	800	5050	300
400	16	565	515	482	16x28	1100	690	1050	6500	600

Threaded type



N°	NAME	N° OF PARTS	MATERIAL
1	BODY	1	GGG-40
2	BONNET	1	GGG-40
3	BALL	1	PHENOLIC RESIN
4	BODY BONNET GASKET	1	NITRILE
5	SEAT GASKET	1	NITRILE
6	SCREW	2	STAINLESS STEEL
7	NUT	2	STAINLESS STEEL
8	WASHERS	4	STAINLESS STEEL

DN		A	B	C	E	KVo m3/h	Weight Kg
mm	inch						
25*	1	45	92	96	120	18	1,9
32	1 1/4	50	105	106	135	32	2,4
40	1 1/2	60	115	112	142	58	2,8
50	2	70	155	136	175	75	3,7
65	2 1/2	90	170	155	198	118	6,3
80*	3	105	197	180	238	185	7,6

*Valves without bonnet. Drawing upon request.