



# Ball Check Valves



## Features:

- Specifically designed for wastewater, sewerage & mud.
- Self cleaning.
- Simple design - the ball is the only moving part.
- Anti-corrosion epoxy coated.
- All sizes have full bore.
- Operates horizontally, vertically and in between.
- Temperature Range -10°C to +80°C.

## Benefits:

- Operate efficiently.
- Maintenance free.
- Reliable & trouble free.
- Rust free.
- Better flows with lower friction loss.
- Flexible design.
- Suits all applications.

## Note:

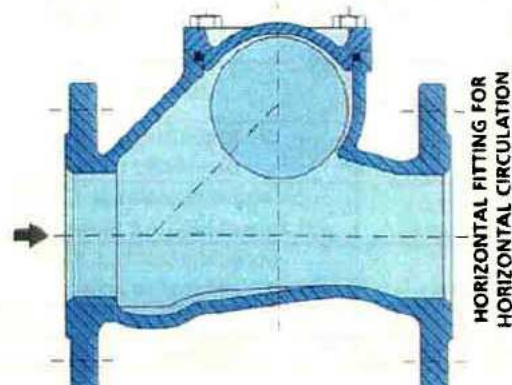
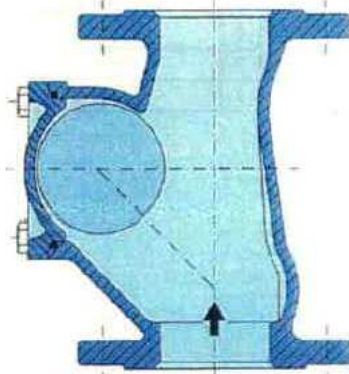
Valves may also be supplied with balls of lower weight depending on particular requirements. Similarly, floating balls may be supplied on request to work as a dual-purpose vent (air admission and discharge).

## 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.

## Fitting:

VERTICAL FITTING FOR UPWARDS  
VERTICAL CIRCULATION

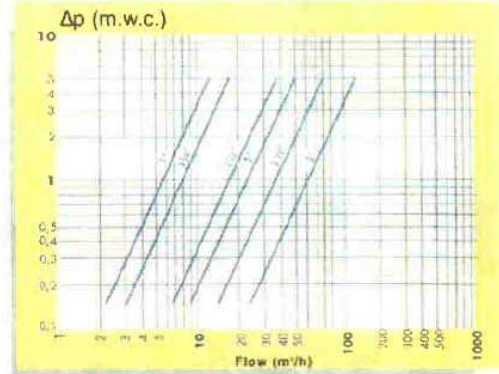
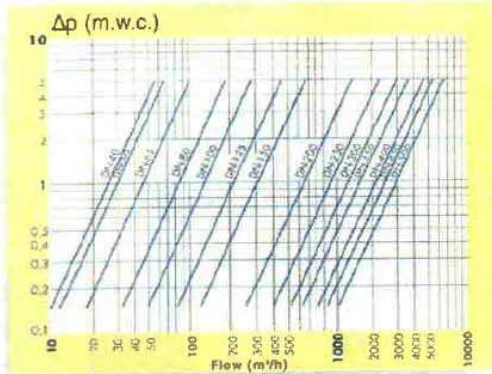


HORIZONTAL FITTING FOR  
HORIZONTAL CIRCULATION

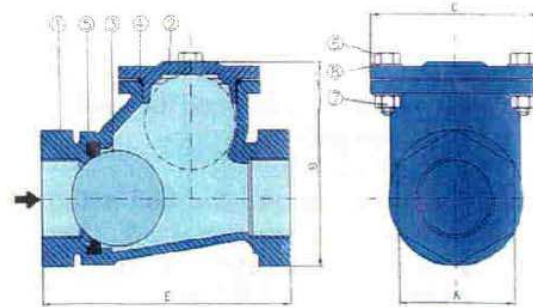
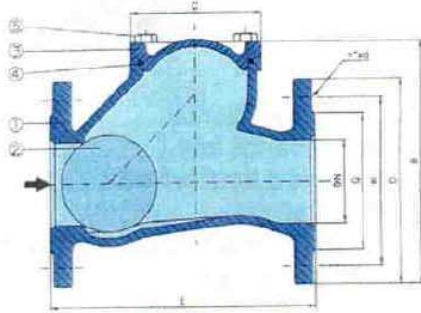
## Flanged Ends

## Threaded Ends

### Load Losses:



### Materials and Dimensions Specifications:



Part No.	DN		ISO 2531 PN-10				E	C	B	KV <sub>0</sub> m³/h	Weight kg
	mm	"	D	K	G	n×d					
51-BCV-040F	40	1½	150	110	88	4x19	180	95	172	80	7.5
51-BCV-050F	50	2	165	125	102	4x19	200	95	180	90	8.5
51-BCV-065F	65	2½	185	145	122	4x19	240	114	210	140	12
51-BCV-080F	80	3	200	160	138	6x19	260	128	240	253	15
51-BCV-100F	100	4	220	180	158	6x19	300	160	285	398	22
51-BCV-125F	125	5	250	210	188	8x23	350	200	330	642	34
51-BCV-150F	150	6	285	240	212	8x23	400	230	390	962	45
51-BCV-200F	200	8	340	295	268	8x28	500	320	480	1990	80
51-BCV-250F	250	10	400	350	320	12x28	600	414	600	3100	135
51-BCV-300F	300	12	450	400	370	12x28	700	460	680	4100	200
51-BCV-350F	350	14	505	460	430	16x28	850	596	800	5050	300
51-BCV-400F	400	16	565	515	482	16x28	1100	690	1050	6500	600
51-BCV-450F	450	18	615	565	532	20x28	1200	800	1250	7800	700
51-BCV-500F	500	20	670	620	585	20x28	1250	820	1320	9100	760

Part No.	DN		A	B	C	E	KV <sub>0</sub> m³/h	Weight kg
	mm	"						
51-BCV-025	25*	1	45	92	96	120	18	1.9
51-BCV-032	32	1¼	50	105	106	135	32	2.4
51-BCV-040	40	1½	60	115	112	142	58	2.8
51-BCV-050	50	2	70	155	136	175	75	3.7
51-BCV-065	65	2½	90	170	155	198	118	6.3
51-BCV-080	80*	3	105	197	180	238	185	7.6

No	NAME	No OF PARTS	MATERIAL
1	BODY	1	DN 40/400 DUCTILE IRON DN 450/250 A-42b
2	BAIL	1	DN 40/200 ALUMINIUM+NITRYL DN 250/400 DUCTILE IRON+NITRYL
3	COVER	1	DN 40/400 DUCTILE IRON DN 450/250 A-42b
4	NUT	1	NITRYL
5	WASHERS	ACC/DN	CADMIUM STEEL

No	NAME	No OF PARTS	MATERIAL
1	BODY	1	DUCTILE IRON
2	COVER	1	DUCTILE IRON
3	BALL	1	PHENOLIC RESIN
4	BODY-COVER GASKET	1	NITRYL
5	SEAT GASKET	1	NITRYL
6	SCREW	2	STAINLESS STEEL
7	NUT	2	STAINLESS STEEL
8	WASHERS	4	STAINLESS STEEL