

Fig. CB100



BALL CHECK VALVES

▲ APPLICATIONS

Pumping stations for clean, sewage water and loaded or viscous fluids.

▲ TECHNICAL DATA

Range

Threaded ends from DN32 TO DN80.

Flanged ends from DN40-DN300.

Threaded type: BSP acc to ISO 228-1.

Flanged type : EN 1092-2 PN16 and AS4087 (AS2129 Talbe E).

Maximum working pressure 16bars.

Operating temperatures 10°C ~ 80°C.

Seating acc to category A standard ISO 5208.

Minimum backpressure for tightness: 0.3bar to 0.5bar.

Face to Face dimensions for flanged type according to EN-558-1 serie 48(DIN3202 F6).



▲ TECHNICAL PERFORMANCES

Full bore ensured.

Self cleaning ball.

Low pressure drop.

Silent.

Removable bonnet for cleaning or changing the ball with out disassembly out of the pipeline.

Horizontal and vertical installation in the pipeline.

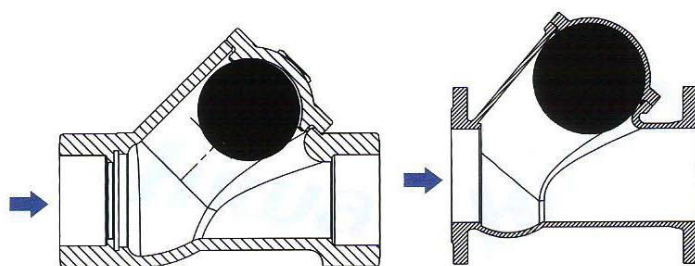
▲ TEST

Seat: 1.1x normal pressure

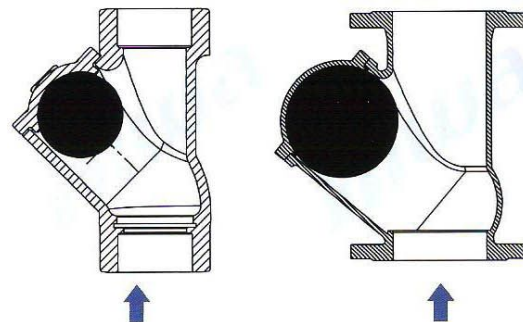
Body: 1.5x normal pressure

▲ MOUNTING IN PIPELINE

HORIZONTAL INSTALLATION

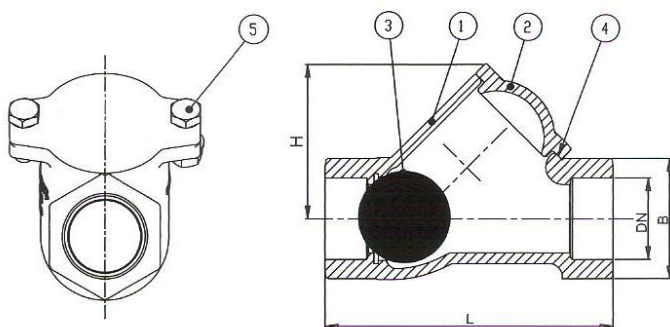


VERTICAL INSTALLATION



THREADED BALL CHECK VALVE

Fig:CB100



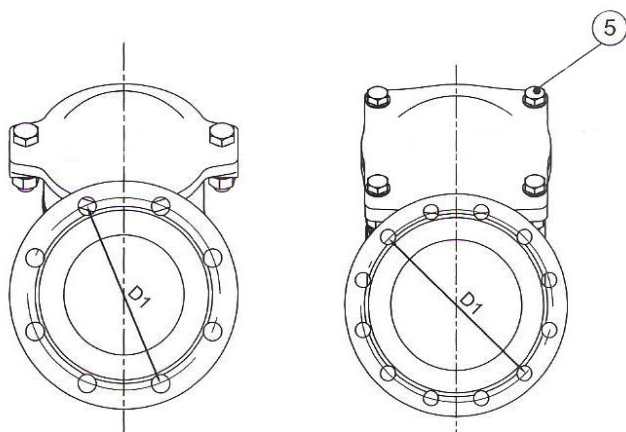
▲ MATERIAL SPECIFICATION

Item NO.	Part Name	Material
1	Body	Ductile Iron
2	Bonnet	Ductile Iron
3	Ball	Steel+NBR
		Steel+EPDM
4	Bonnet GasKet	NBR
		EPDM
5	Bolting	Stainless Steel

Size	L	B	H	Weight
DN25	120	45	64	0.9
DN32	135	50	72	1.9
DN40	145	60	85	1.9
DN50	175	70	100	2.8
DN65	200	90	125	4.7
DN80	248	108	160	7.2

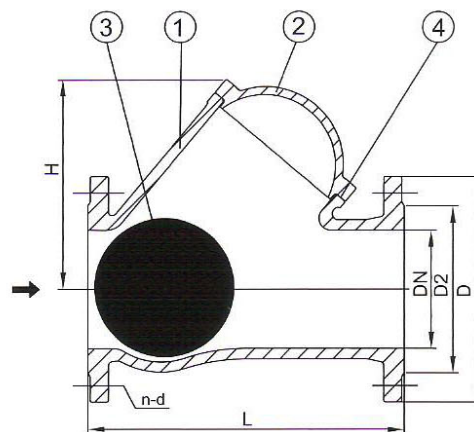
FLANGED BALL CHECK VALVE

Fig:CB100



DN40-DN150

DN200-DN300



Size	L	EN 1092-2 PN16				AS 2129 TABLE E				b	H	Weight
		D	D1	D2	n-d	D	D1	D2	n-d			
DN40	180	150	110	84	4-19	150	98	78	4-14	19	90	6.0
DN50	200	165	125	102	4-19	165	114	90	4-18	19	100	8.6
DN65	240	185	145	122	4-19	185	127	103	4-18	19	125	11.4
DN80	260	200	160	138	8-19	200	146	122	4-18	19	136	13.2
DN100	300	220	180	158	8-19	220	178	154	8-18	19	185	19
DN125	350	250	210	188	8-19	250	210	186	8-18	19	196	27.2
DN150	400	285	240	212	8-23	285	235	207	8-22	19	265	38.4
DN200	500	340	295	268	12-23	340	292	264	8-22	20	340	73.5
DN250	600	405	355	320	12-27	405	356	328	12-22	22	420	128.0
DN300	700	460	410	378	12-27	460	406	374	12-26	24.5	480	168