C14
Ball Check Valve Flanged
/Threaded

Product Description

DENZ-C14 Ball Check Valve is used to prevent the return flow of waste water, as well as viscous and thick liquids, in a pipeline that transports waste water and sewage water. The first and second ports of this check valve are separated by a ball covering a round opening. In order to draw in fluid, the ball needs to be pushed forward by the fluid. C14 Ball check valve can be ordered with flanged type as standard, or with threaded connection.

Application Areas

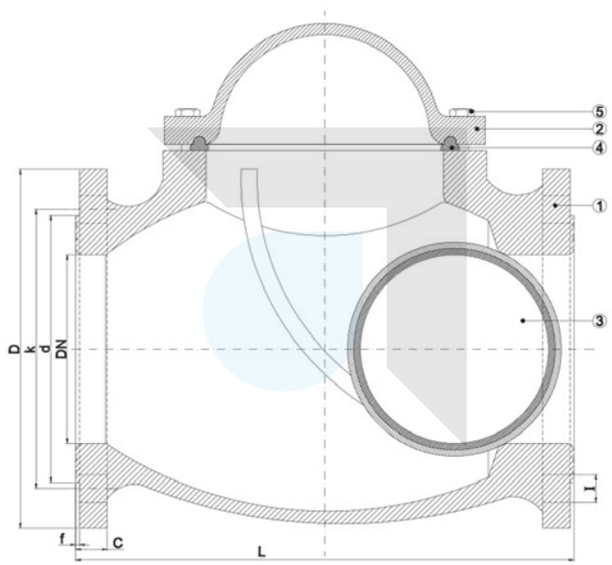
- Non-potable water
- Sewage applications
- Wastewater treatment
- Neutral liquids
- Industrial applications

Production References	
Size Range	DN100 - DN600
Pressure Range	PN10/16
Temperature	EPDM: +80°C NBR: 60°C
Face to face	EN558 Series 48 / DIN 3202 F6
Design	EN 12334 / EN 16767
Connection	Flanged - EN1092-2 / Threaded EN228
Corrosion Protection	Electrostatic or thermoplastic powder coating
Testing	EN 12266-1
Marking	EN 19

Product Features

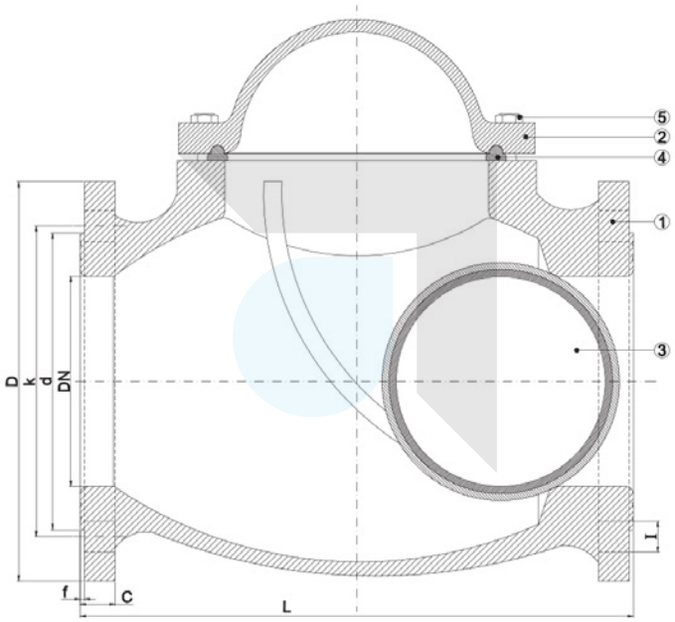
- ENGJS500-7 Ductile iron body and bonnet for high strength and impact resistance.
- The ball check valve are simple valves who have only one moving part which blocks the reverse flow - a spherical ball.
- The full port ball check valve seat is uniquely designed in a way which allows the ball to seat leak-tight the flow without getting wedge into the valve seat.
- An integrated self-cleaning system allows the unit to be operated continuously due to its full bore design.
- It provides a high flow rate with low pressure loss due to the smooth body design.
- As a result, impurities are not likely to get stuck on the ball in the future.
- The compact design keeps the installation process simple and easy.
- Ductile iron body and cover coated with epoxy internally and externally.
- The cover can be disassembled easily and quickly.
- Installation can be done horizontally or vertically, depending on your preference.
- In addition to reducing media loss, zero stem leakage meets environmental standards.
- 100% of the valves are subjected to Hydrostatic tests according to EN 12266-1. Pressure for seat: PN x 1.1 , for shell: PN x 1.5

Material List



#	Part	Material
1	Body	Ductile Iron EN-GJS-400/500 (GGG40/50)
2	Bonnet	Ductile Iron EN-GJS-400/500 (GGG40/50)
3	Ball	EPDM or NBR coated Ductile Iron
4	Bonnet Sealing	EPDM / NBR
5	Bonnet Bolts	Galvanized Steel 8.8 / A2 / A4

Dimensions



DN	PN	D	k	d	f	C	l*n	L	KG
50	10-16-25	165	125	99	3	20	19x4	200	13
65	10-16-25	185	145	118	3	20	19x4	240	18
80	10-16-25	200	160	132	3	22	19x8	260	23
100	10-16	220	180	156	3	24	19x8	300	27
100	25	235	190	156	3	28	23x8	300	27
125	10-16	250	210	184	3	26	19x8	350	40
125	25	270	220	184	3	30	28x8	350	44
150	10-16	285	240	211	3	26	23x8	400	55
150	25	300	250	211	3	34	28x8	400	60
200	10	340	295	266	4	26	23x8	500	90
200	16	340	295	266	4	30	23x12	500	90
200	25	360	310	274	4	34	28x12	500	99
250	10	395	350	319	4	28	23x12	600	140
250	16	405	355	319	4	32	28x12	600	140
250	25	425	370	330	4	36	31x12	600	154

Units: mm / indicative dimensions & weights