

## C17

**Slanted Seated Check Valve**  
Rubber or Metal Seated

### Product Description

DENZ-C17 Slanted Seat Check Valves are installed in pumping applications to prevent backflow in the network. Each interior part is suitable for use in drinking water systems. Due to its slanted seat, the valve closes before reverse flow occurs, which mitigates pressure surges. The valve can also be fitted with a hydraulic damping device to further reduce the risk of water hammer. The valve is designed for both soft sealing and metal seated types.



### Application Areas

- Potable water systems
- Water transmission links
- Pipelines
- Industry

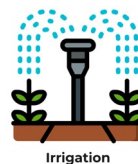
### Operation Versions

- With soft sealing
- With metal-to-metal seating
- With counterweight
- With internal damper



### Production References

Size Range	DN200 - DN1600
Pressure Range	PN10/16/25/40
Temperature	EPDM: +80°C NBR: 60°C VITON: 120°C
Face to face	EN558 Series 14 / DIN 3202 F4
Design	EN12334
Connection	Flanged - EN1092-2
Coating	Powder Epoxy
Testing	EN 12266-1
Marking	EN 19

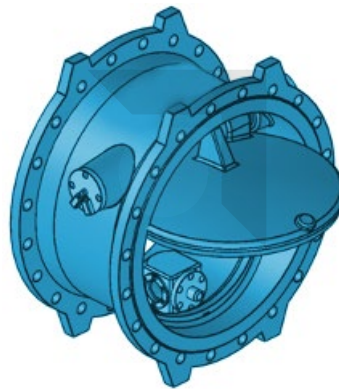
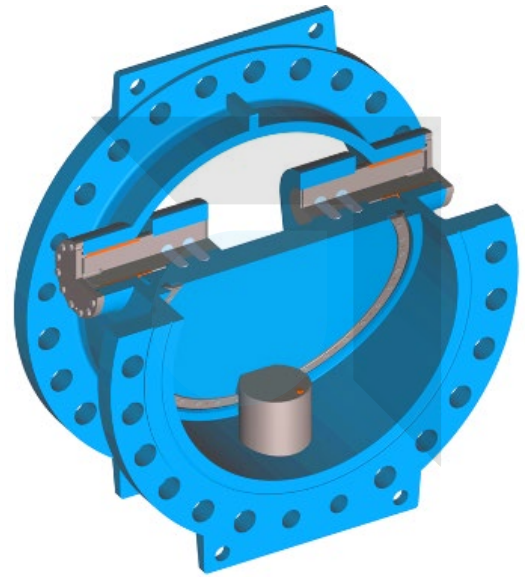




## Product Features

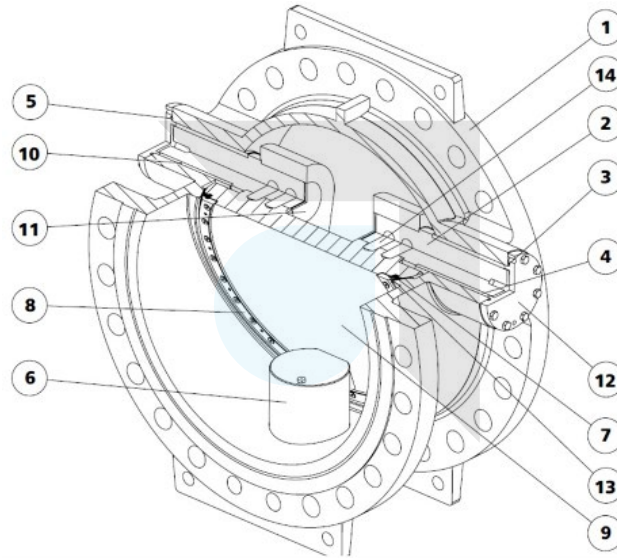


- A fast reversal of flow direction in conventional swing check valves is often followed by loud slams and mechanical pressure surges stressing pipelines and foundations. In the event of the back flow suddenly stopping, pressure surges can lead to the destruction of the pipeline.
- ENGJS500-7 Ductile iron body and bonnet for high strength and impact resistance.
- Travel of disk reduced by 25% due to slanted position of the seat, closing time also reduced.
- Disk closes without slamming due to damping unit activated at 10 to 15% before final closing position of the disk (optional).
- Compact design.
- The seal is easily replaced when the valve disk is open
- Sealing ring completely relieved from stress and wear in the open position
- Shear strain of the rubber seat much reduced due to the high eccentricity
- Optimum closing of rubber seat into the body seat
- Metal sealing, corrosion and wear resistant sealing surfaces.
- Face-to-face dimension according to EN 558-1, basic series 14. (production range F4, DIN 3202)
- 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





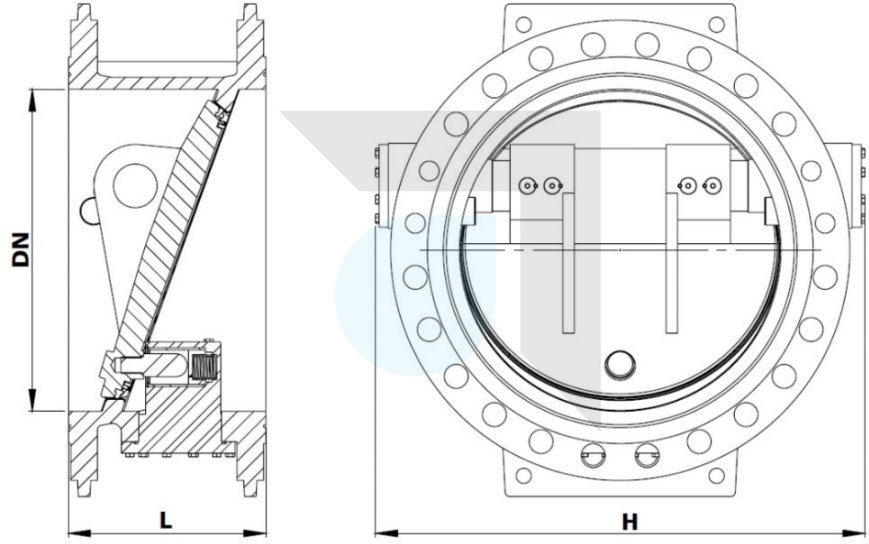
## Material List <<<<



#	Part	Material
1	Body	Ductile Iron EN-GJS-400/500 (GGG40/50)
2	Shaft	Stainless Steel AISI 420/304/316
3	O-Ring	EPDM / NBR
4	Shaft Bearing	Bronze / Brass
5	O-Ring	EPDM / NBR
6	Dashpot Damper	Stainless Steel AISI 304
7	Sealing Ring	EPDM
8	Retainer	ST37 Steel / Stainless Steel AISI 304/316
9	Disc	Ductile Iron EN-GJS-400/500 (GGG40/50)
10	Shaft Bearing	Bronze / Brass
11	Hub Cover	ST37 Steel
12	Shaft Cover	Stainless Steel AISI 304
13	Body Seat	Stainless Steel AISI308LSI
14	Pin	Stainless Steel AISI 304



## Dimensions



DN	PN10			PN16			PN25		
	L	H	KG	L	H	KG	L	H	KG
80	180	215	17	180	215	21	180	215	26
100	190	235	20	190	250	25	190	250	30
125	200	265	25	200	285	30	200	285	40
150	210	305	32	210	320	40	210	320	50
200	230	360	50	230	380	m	230	400	75
250	250	430	70	250	450	85	250	480	105
300	270	490	90	270	515	110	270	550	140
350	290	550	135	290	590	165	290	615	215
400	310	620	180	310	660	220	310	700	285
450	330	680	225	330	715	270	330	730	350
500	350	760	260	350	780	320	350	805	420
600	390	895	410	390	900	480	390	945	640
700	430	970	560	430	1025	680	430	1060	925
800	470	1090	785	470	1155	920	470	1215	1240
900	510	1200	960	510	12m	1300	510	1330	1700
1000	550	1340	1340	550	14Cii	1600	550	1450	2080
1100	590	1445	1650	590	1510	2000	590	1560	2580
1200	630	1580	1900	630	1630	2300	630	1675	3050
1400	710	1795	2660	710	1870	3200	710	1910	4250
1500	750	1940	3200	750	1985	3900	750	2035	5100
1600	790	2055	3720	790	2100	4500	790	2155	5950
1800	870	2270	5200	870	2335	6300	870	2400	8350
2000	950	2500	7280	950	2580	8800	950	2645	11650

Units: mm / indicative dimensions & weights