

V211

SLANTED SEAT TILTING CHECK VALVE



Product Description

V211 Slanted Seat Tilting Check Valve is a type of check valve which consists of a cylindrical body, a disc inside it, a shaft that holds the disc, a counter lever and weight. It is a type which needs less installation space. Even it is fully open, disc is located on flow path. This is the reason why it cannot be used in sewage media, but can be used only in clean water.



Technical Data

Size range	DN200 - DN1200
Pressure range	PN 10 -16
Temperature	-10°C to +130 °C
Design	EN 12334
Face to face	EN 558 Series 14 / F4
Flange drilling	EN 1092-2 / ISO 7005-2
Coating	Electrostatic Powder Epoxy
Testing	EN 12266-1
Marking	EN 19

Application Range

- Pumping Stations
- Water Transmission Lines
- Tanks
- Water Treatment Plants
- PowerStation Cooling Lines

Related Products

- V106 Double Eccentric Butterfly Valve
- V151 Resilient Seated Gate Valve
- V251 Dismantling Joint



WASTE WATER



POTABLE WATER

V211

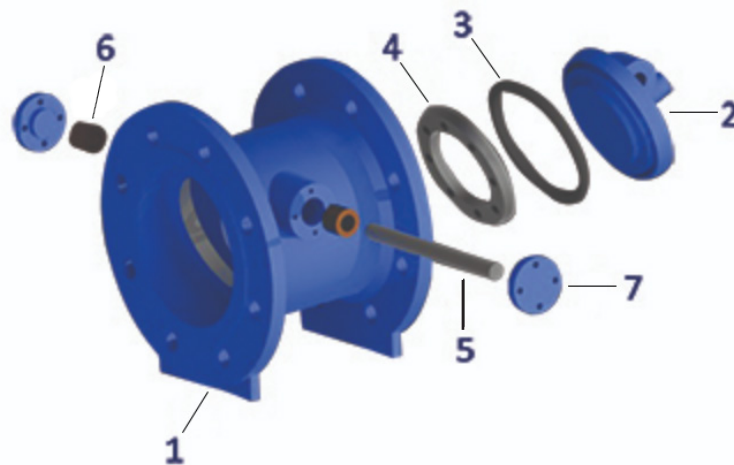
SLANTED SEAT TILTING CHECK VALVE



Product Features

- Tilting check valves are used at outlet side of pumps.
- When flow begins, disc is pushed forward by effect of flow. Flow continues its travel in direction of pumping.
- When pump begins to slow down to stop, disc begins to close. Check valve closes automatically by assistance of back flow and counter weight which is connected to shaft by counter lever.
- Its closure prevents the water in the pipe line to flow reversely.
- Opening angle of disc must not exceed 80 degrees. If it exceeds, in case of a mechanical tightness, flow moves under the disc and required forces for closure cannot occur. Reverse flow begins; pump starts to turn reverse direction. Serious damage may take place.
- Valve should be installed as shaft in horizontal position.
- Hydrostatic test pressure for seat: PN x 1.1 (e.g.: PN 16 = 17.6 bar); for shell: PN x 1.5 (e.g.: PN16 = 24 bar) according to EN 12266-1.

Material List



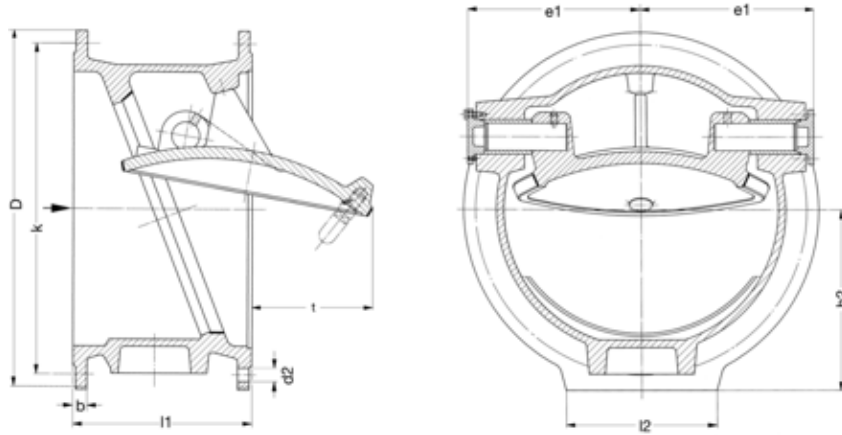
No	Part	Material
1	Main Body	GGG50 Ductile Iron
2	Disc	GGG50 Ductile Iron
3	Disc Gasket	EPDM
4	Gasket Ring	GGG50 Ductile Iron
5	Stem	AISI 304 Stainless Steel
6	Stem Bushing	Bronze
7	Stem Cover	GGG50 Ductile Iron

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Dimensions Table



PN10													
DN (mm)	200	250	300	350	400	450	500	600	700	800	900	1000	1200
D	340	400	455	520	575	615	670	780	895	1015	1115	1230	1455
b	20	22	24.5	26.5	28	26.5	26.5	30	32.5	35	37.5	40	45
d2	23	23	23	23	28	28	28	31	31	34	34	37	40
e1	145	170	200	225	270	300	325	385	450	500	565	630	730
h1	245	270	340	370	420	460	500	585	650	750	855	890	1020
h2	175	205	232	265	295	312	340	395	455	525	565	620	740
k	295	350	400	460	515	565	620	725	840	950	1050	1160	1380
l1	230	250	270	290	310	330	350	390	430	470	510	550	630
l2	160	180	200	225	250	250	300	330	400	450	550	600	700
t	55	75	100	135	150	190	210	265	320	380	420	470	670
No. of holes	8	12	12	16	16	20	20	20	24	24	28	28	32
Weight approx. (kg)	40	65	83	118	145	190	220	315	420	640	910	1150	1520
Weight with damper (kg)	43.5	68.5	92	127	160	205	244	350	468	704	984	1235	1600
Volume approx. (m ³)	0.030	0.045	0.060	0.080	0.110	0.130	0.170	0.250	0.360	0.500	0.640	0.850	1,360

Dimensions Table

PN16												
DN (mm)	200	250	300	350	400	450	500	600	700	800	900	1000
D	340	400	455	520	575	640	715	840	910	1025	1125	1255
b	20	22	24.5	26.5	28	31.5	31.5	36	39.5	43	46.5	50
d2	23	28	28	28	31	31	34	37	37	40	40	43
e1	145	170	200	225	270	300	325	385	450	500	565	630
h1	245	270	340	370	420	460	500	585	650	750	855	890
h2	175	205	232	265	295	325	362	425	460	520	570	635
k	295	355	410	470	525	585	650	770	840	950	1050	1170
l1	230	250	270	290	310	330	350	390	430	470	510	550
l2	160	180	200	225	250	250	300	330	400	450	550	600
t	55	75	100	135	150	190	210	265	320	380	420	470
No. of holes	12	12	12	16	16	20	20	20	24	24	28	28
Weight approx. (kg)	40	65	83	118	145	210	250	365	470	750	980	1250
Weight with damper (kg)	43.5	68.5	92	127	160	225	274	400	518	814	1054	1335
Volume approx. (m³)	0.030	0.045	0.060	0.080	0.110	0.140	0.190	0.280	0.370	0.520	0.660	0.880