



MV-300

TILTING CHECK VALVE

Production Standards

Size Range	DN100 - DN2000
Pressure Range	PN10 - PN16 - PN25 - PN40
Design	EN 12334 / EN 16767
Connection	EN 1092 - 2 / ISO 7005 - 2
Face to Face	EN 558 Series 14 / DIN 3202 F4
Marking	EN 19
Tests	EN 12266-1
Coating	Electrostatic/Thermoplastic Powder Epoxy
Temperature	EPDM : -10°C to +80 °C NBR: - 10°C to +60 °C VITON: -10°C to +110°C

300



Application Areas

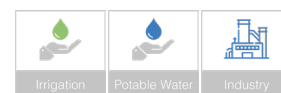
- Water treatment and distribution systems
- Pipelines
- Mining industry
- Pumping stations
- Tanks
- Seawater application
- Industry
- Oil and gas processes
- Fire extinguishing systems
- HVAC systems

Product Description

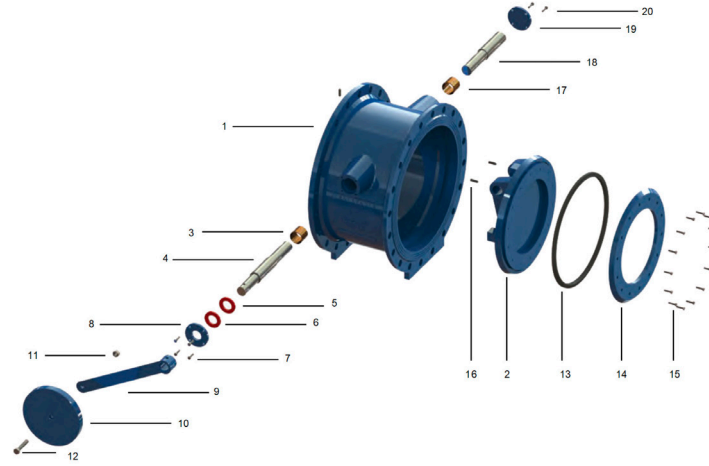
MV-300 Tilting Check Valve has been designed to automatically stop the back flow of the media that can occur when the system is shutdown. Counter weight lever ensures the soft opening depending on the speed of flow. Low torque values obtained with its double eccentric disc design.

Product Features

- One piece T-shape disc sealing ensures zero leakage
- Double Eccentric / Double Offset Disc Design
- NBR or VITON disc sealing options are also available
- Can be installed vertically and horizontally easy to replace the disc sealing without dismantling valve and disc from the pipeline
- Bronze bushing shafts have high corrosion resistance
- Double shaft design minimizes pressure loss and increases energy efficiency
- Light weight and compact design
- High impact resistance
- The disc swings automatically depending on the flow rate
- Fully coated internally and externally



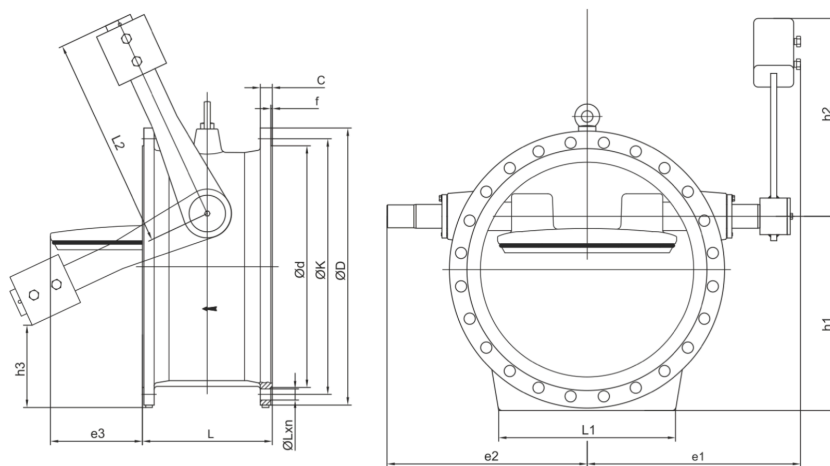
Technical Data



No	Part	Material
1	Body	GGG50 Ductile Iron
2	Disc	GGG50 Ductile Iron
3	Bushing	Bronze
4	Shaft	AISI 420 / 304 / 316 Stainless Steel
5	Inner O-Ring	EPDM
6	Outer O-Ring	EPDM
7	Bolts	A2 / A4 Stainless Steel
8	Upper Shaft Cover	St37 Steel
9	Counter Lever	GGG50 Ductile Iron
10	Counter Weight	St37 Steel
11	Nut	St37 Steel
12	Bolts	St37 Steel
13	Sealing Gasket	EPDM
14	Retaining Ring	St37 / AISI 304 / AISI 316 Stainless Steel
15	Bolts	A2/A4 Stainless Steel
16	Shaft Bolt	A2/A4 Stainless Steel
17	Bushing	Bronze
18	Shaft	AISI 420 / 304 / 316 Stainless Steel
19	Shaft Cover	St37 Steel
20	Bolts	A2 / A4 Stainless Steel



Technical Data



PN10

DN	L	f	ØD	ØK	Ød	b	ØLxn	L2	e1	e2	e3	h1	h2	h3	kg
100	190	3	220	180	156	19	19x8	-	-	-	-	-	-	-	-
125	200	3	250	210	184	19	19x8	-	-	-	-	-	-	-	-
150	210	3	285	240	211	19	23x8	-	-	-	-	-	-	-	-
200	230	3	340	195	266	20	23x8	200	268	252	35	220	188	107	50
250	250	3	405	350	319	22	23x12	300	325	305	68	265	285	92	70
300	270	4	460	400	370	24.5	23x12	300	340	317	87	315	285	142	105
350	390	4	505	460	429	24.5	23x16	400	410	382	117	357	372	140	170
400	310	4	565	515	480	24.5	28x16	400	440	412	138	400	372	182	220
450	330	4	615	565	530	25.5	28x20	450	470	443	165	442	418	204	275
500	350	4	670	620	582	28.5	28x20	500	520	490	188	470	465	200	320
600	390	5	780	725	682	30	31x20	600	590	567	238	580	555	267	440
700	430	5	895	840	794	32.5	31x24	700	700	661	305	640	653	273	560
800	470	5	1015	950	901	35	34x24	800	745	711	355	723	743	314	810
900	510	5	1115	1050	1001	37.5	34x28	900	800	780	400	797	830	348	1100
1000	550	5	1230	1160	1112	40	37x28	1000	870	863	460	887	935	360	1220
1100	590	5	1355	1270	1218	43.5	37x32	-	-	-	-	-	-	-	-
1200	630	5	1455	1380	1328	45	41x32	-	-	-	-	-	-	-	-
1300	670	5	1585	1490	1432	59	42x32	-	-	-	-	-	-	-	-
1400	710	5	1675	1590	1530	46	44x36	-	-	-	-	-	-	-	-
1500	750	5	1820	1700	1640	47	44x36	-	-	-	-	-	-	-	-
1600	790	5	1915	1820	1750	49	50x40	-	-	-	-	-	-	-	-
1800	870	5	2115	2020	1950	52	50x44	-	-	-	-	-	-	-	-
2000	950	5	2325	2230	2150	55	50x48	-	-	-	-	-	-	-	-



PN16

DN	L	f	ØD	ØK	Ød	b	Øl×n	L2	e1	e2	e3	h1	h2	h3	kg
100	190	3	220	180	156	19	19x8	-	-	-	-	-	-	-	-
125	200	3	250	210	184	19	19x8	-	-	-	-	-	-	-	-
150	210	3	285	240	211	19	23x8	-	-	-	-	-	-	-	-
200	230	3	340	195	266	20	23x12	200	268	252	35	220	188	107	50
250	250	3	405	350	319	22	28x12	300	325	305	68	265	285	92	70
300	270	4	460	400	370	24.5	28x12	300	340	317	87	315	285	142	105
350	390	4	520	460	429	26.5	28x16	400	410	382	117	357	372	140	170
400	310	4	580	515	480	28	31x16	400	440	412	138	400	372	182	220
450	330	4	640	565	530	30	31x20	450	470	443	165	442	418	204	275
500	350	4	715	620	582	31.5	34x20	500	520	490	188	470	465	200	320
600	390	5	840	725	682	36	37x20	600	590	567	238	580	555	267	440
700	430	5	910	840	794	39.5	37x24	700	700	661	305	640	653	273	560
800	470	5	1025	950	901	43	41x24	800	745	711	355	723	743	314	810
900	510	5	1125	1050	1001	46.5	41x28	900	800	780	400	797	830	348	1100
1000	550	5	1255	1160	1112	50	44x28	1000	870	863	460	887	935	360	1220
1100	590	5	1355	1270	1218	53.5	44x32	-	-	-	-	-	-	-	-
1200	630	5	1485	1380	1328	57	50x32	-	-	-	-	-	-	-	-
1300	670	5	1585	1490	1432	59	50x32	-	-	-	-	-	-	-	-
1400	710	5	1685	1590	1530	60	50x36	-	-	-	-	-	-	-	-
1500	750	5	1820	1700	1640	62.5	57x36	-	-	-	-	-	-	-	-
1600	790	5	1930	1820	1750	65	57x40	-	-	-	-	-	-	-	-
1800	870	5	2130	2020	1950	70	57x44	-	-	-	-	-	-	-	-
2000	950	5	2345	2230	2150	75	62x48	-	-	-	-	-	-	-	-