



DAVINCI TECHNICAL DATA GUIDE

TILTING CHECK VALVES

FLANGED ENDS

Ref. 166A-DZ / PN 10-16-25-40



Application

Clean and pre-treated water
Wastewater and sewage systems
Fire protection systems
Irrigation networks
Cooling water circuits
HVAC installations
Oil and Gas pipelines
Chemical Processing

Approvals/Standards

Face to Face: EN 558-1 Series 14 F4
Mounting between flanges: PN10/16 EN 1092-2, ISO 7005-2.
Pressure Tests acc. to EN 12266-1 Rate A. GB/T13927-1992
Pressure Tests: Body: 1,5 x PN. Seat: 1,1 x PN
EU directive 2014/68/EU:
Products excluded, article 1, § 2b up to DN300. Risk Category I MoD. A from DN350 to DN600

Certifications

CE, WRAS

Range

DN200-2000, PN10-16-25-40



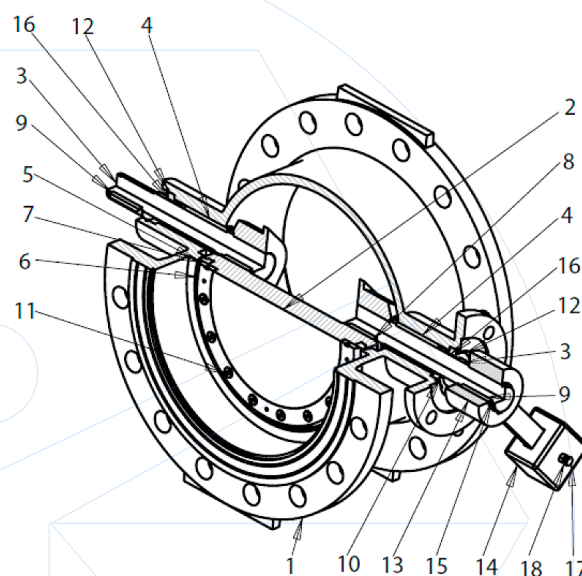
GENERAL CHARACTERISTICS

Sizes DN200 to DN2000.
 100% Watertight.
 Low headloss.
 Sealing ring can be replaced without dismounting the valve.
 Fast closing action.
 Hydraulic damper can be added.
 WRAS epoxy paint 250 microns.

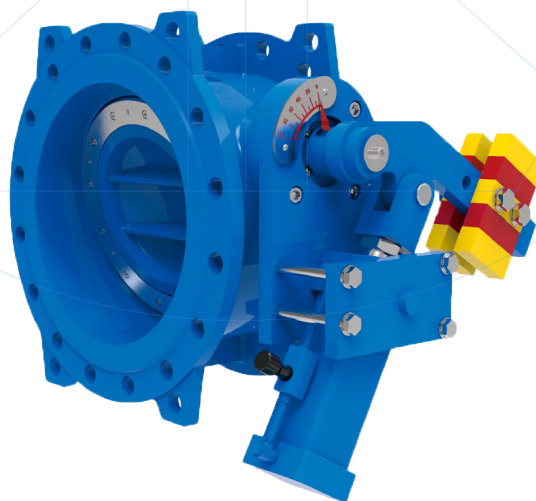
WORKING CONDITIONS

Pressure ratings: 1.0 Mpa, 1.6 Mpa, 2.5 Mpa, 4.0 Mpa.
 Working temperature: -10°C + 95°C.
 Flow media: Clean water.

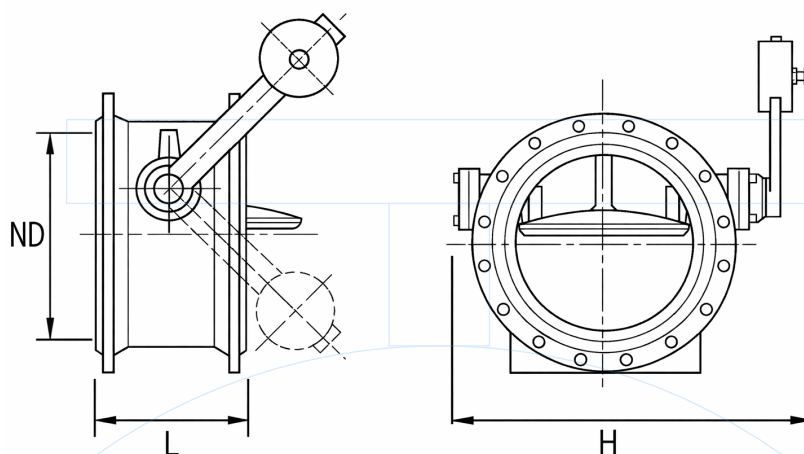
N°	ITEM	MATERIAL
1	Body	GJS500-7
2	Disc	GJS500-7 / AISI304
3	Stem	AISI420
4	Bearing	Bronze
5	Sealing ring	AISI316 welded
6	Ring	NBR / EPDM
7	Seal ring	AISI420
8	Disc ring	AISI420
9	Pin stem	AISI420
10	Closing sleeve	AISI304
11	Bolts	A2-70
12	Circlip	AISI420
13	Arm	GJS500-7
14	Weight	GJL250
15	Joint	NBR / EPDM
16	O-ring	NBR / EPDM
17	Bolts	A2-70
18	Nut	A2-70
	RAL 5015 Painting	Epoxy 250 µm



Components may be replaced with materials of equivalent or superior grade without prior notice, in accordance with our continuous improvement policy.



Hydraulic damper can be added to the valve if required.



DN	L	H			Weight (kg)		
		PN10/16	PN25	PN40	PN10/16	PN25	PN40
200	230	500	429	535	49	65	80
250	250	565	580	630	70	90	115
300	270	640	639	695	95	125	150
350	290	760	754	820	115	150	185
400	310	820	828	900	165	215	260
450	330	880	851	925	200	255	315
500	350	955	989	1075	260	340	420
600	390	1160	1150	1250	425	555	680
700	430	1270	1302	1415	580	760	930
800	470	1445	1435	1560	810	1060	1300
900	510	1545	1647	1790	1000	1280	1570
1000	550	1795	1748	1900	1310	1700	2100
1100	590	1895	1895	2060	1640	2130	2620
1200	630	2075	2029	2205	1800	2350	2890
1400	710	2315	2314	2515	2580	3360	4130
1500	750	2540	2548	2770	3280	4260	5250
1600	790	2790	2654	2885	4060	5280	6500
1800	870	2990	2950	3135	6150	7995	9840
2000	950	3325	3250	3385	9430	12260	15100



CONTACT US

DAVINCI VALVES ORDER REQUEST

Ref. 167A-LA / PN 10-16-25-40



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