



DAVINCI TECHNICAL DATA GUIDE

TILTING CHECK VALVES

FLANGED ENDS

Ref. 166A-VT / PN 10-16-25



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



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.

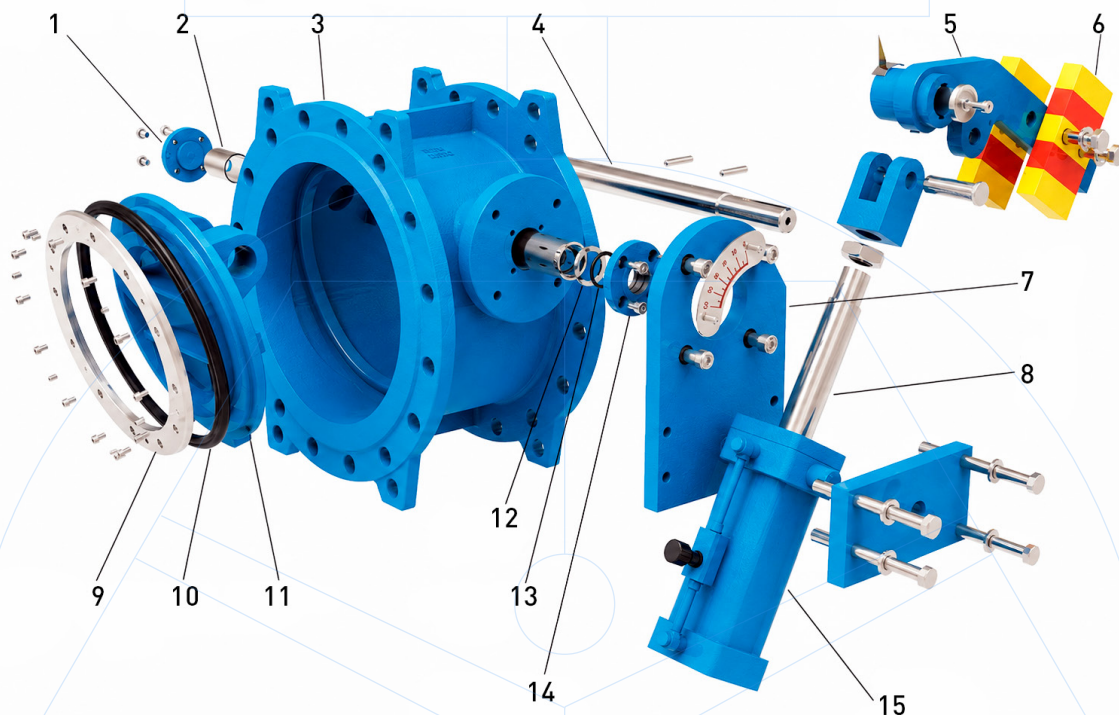
WRAS epoxy paint 250 microns.

WORKING CONDITIONS

Pressure ratings: 1.0 Mpa, 1.6 Mpa, 2.5 Mpa.

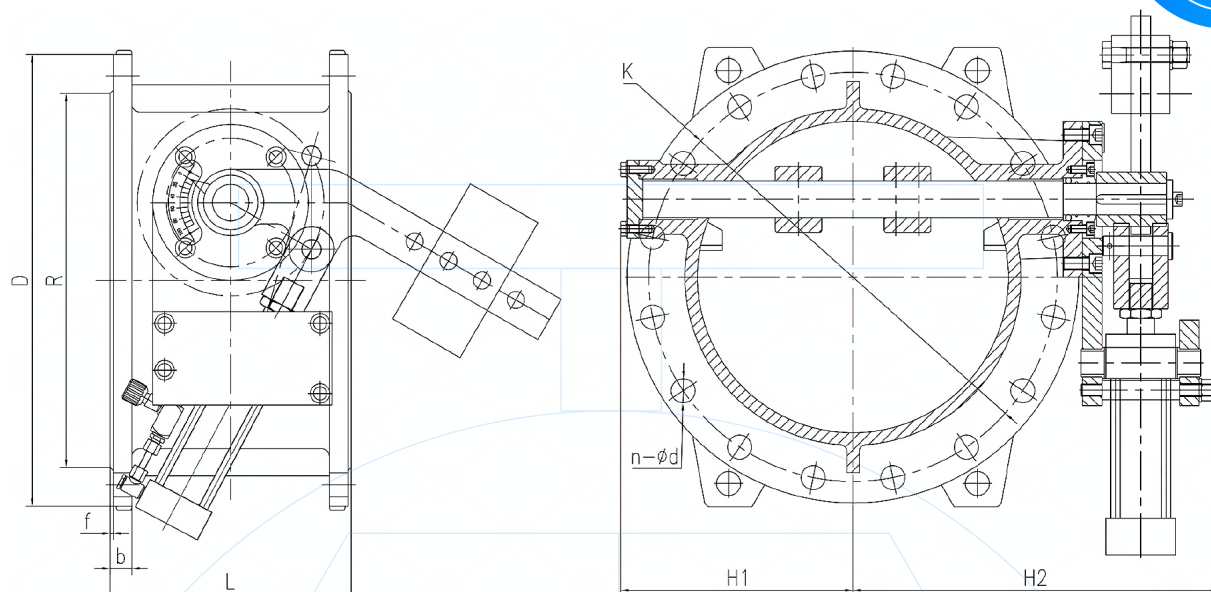
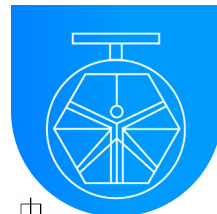
Working temperature: -10°C + 95°C.

Flow media: Clean water.



Nº	ITEM	MATERIAL
1	End cover	GJS500-7 / WCB / CF8M
2	Bearing	Bronze
3	Body	GJS500-7 / WCB / CF8M
4	Shaft	AISI 420
5	Rocker arm	WCB
6	Counterweight	WCB
7	Yoke	WCB
8	Piston	AISI 420
9	Retainer ring	AISI 304
10	Sealing ring	NBR / EPDM
11	Disc	GJS500-7 / WCB / CF8M
12	Split ring	AISI 304
13	O-ring	NBR / EPDM
14	Packing gland	GJS500-7 / WCB / CF8M
15	Oil cylinder	GJS500-7 / WCB / CF8M
	Seat on body	AISI 309 welded
	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.



DN	L	D			K			b			n-d			Weight bareshaft(kg)		
		PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25
200	230	340	340	360	295	295	310	20	20	22	8-23	12-23	12-28	47	47	60
250	250	395	405	425	350	355	370	22	22	24,5	12-23	12-28	12-31	80	80	90
300	270	445	460	485	400	410	430	24,5	24,5	27,5	12-23	12-28	16-31	100	110	110
350	290	505	520	555	460	470	490	24,5	26,5	30	16-23	16-28	16-34	130	130	170
400	310	565	580	620	515	525	550	24,5	28	32	16-28	16-31	16-37	170	180	230
450	330	615	640	670	565	585	600	25,5	30	34,5	20-28	20-31	20-37	200	220	270
500	350	670	715	730	620	650	660	26,5	31,5	36,5	20-28	20-34	20-37	230	270	320
600	390	780	840	845	725	770	770	30	36	42	20-31	20-37	20-41	350	400	480
700	430	895	910	960	840	840	875	32,5	39,5	46,5	24-31	24-37	24-44	460	500	680
800	470	1015	1025	1085	950	950	990	35	43	51	24-34	24-40	24-49	660	690	860
900	510	1115	1125	1185	1050	1050	1090	37,5	46,5	55,5	28-34	28-40	28-49	790	840	1180
1000	550	1230	1255	1320	1160	1170	1210	40	50	60	28-37	28-43	28-56	960	1010	1390
1100	590	1340	1355	1420	1270	1270	1310	42,5	53,5	64,5	32-36	32-43	32-56	1460	1600	1960
1200	630	1455	1485	1530	1380	1390	1420	45	57	69	32-40	32-49	32-56	1620	1710	2200
1300	670	1575	1585	1645	1490	1490	1530	45,5	58,5	71,5	32-43	32-49	32-62	2400	2540	3320
1400	710	1675	1685	1755	1590	1590	1640	46	60	74	36-43	36-49	36-62	2550	2720	3650
1500	750	1785	1820	1865	1700	1710	1750	47,5	62,5	77,5	36-43	36-56	36-62	3150	3400	4430
1600	790	1915	1930	1975	1820	1820	1860	49	65	81	40-49	40-56	40-62	3730	3960	5120
1800	870	2115	2130	2195	2020	2020	2070	52	70	88	44-49	44-56	44-70	4660	5020	6360
2000	950	2325	2345	2425	2230	2230	2300	55	75	95	48-49	48-62	48-70	5620	6420	8400



CONTACT US

DAVINCI VALVES ORDER REQUEST

Ref. 164A-VT / PN 10-16-25



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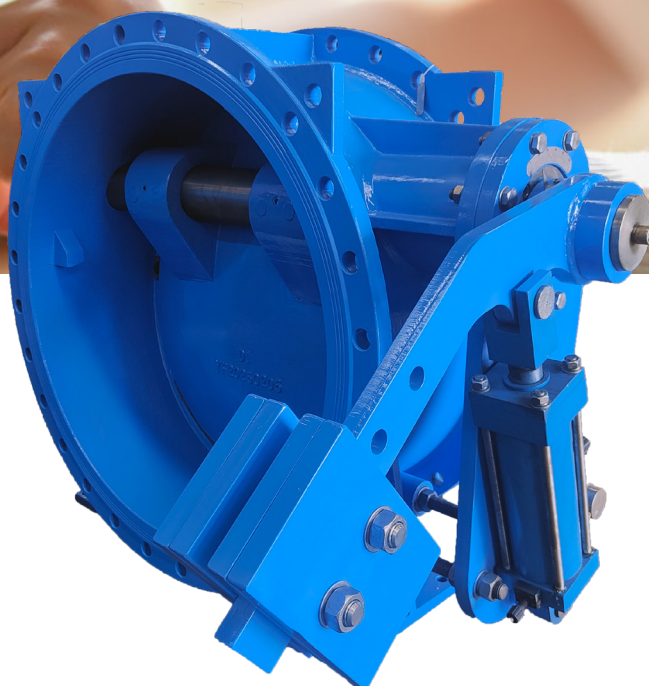
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