

DAVINCI TECHNICAL DATA GUIDE

BALL CHECK VALVE

FLANGED ENDS

Ref. 161A-VI / PN 10-16



Application

Wastewater treatment systems
Sewage networks
Viscous or sticky fluids in industrial processes
Rainwater or stormwater drainage systems

Approvals/Standards

Design: BS5153
Manufacture according to: EN 1074-3.
Face to Face: EN 558-1 Series 48 (F6)
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.

Range

DN40-600, PN10-16





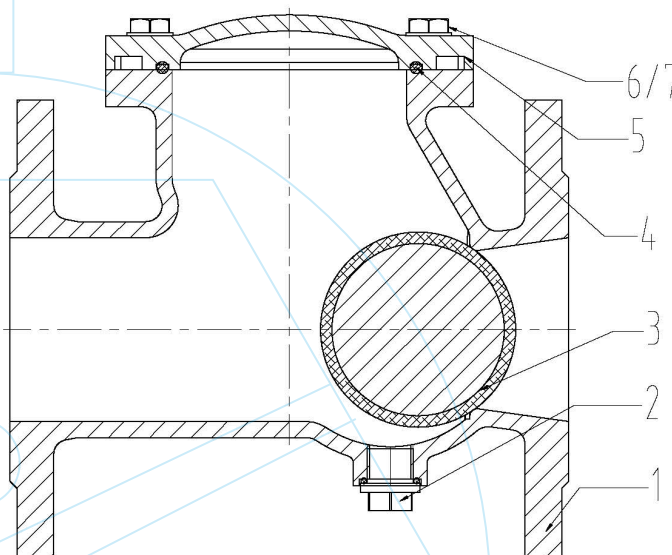
GENERAL CHARACTERISTICS

Range from DN40 up to DN600
Full bore.
Minimum head loss.
Special design for sewage
The ball is totally encapsulated for superior sealing and corrosion resistance.
100% sealing at 0.3 bar.
Installation in horizontal and vertical position.

WORKING CONDITIONS

Maximum working pressure: 16 bar.
Working pressure: 10 bar.
Working temperature: -5°C +80°C.
Suitable media: water and oily fluids.
Consult factory for other applications.

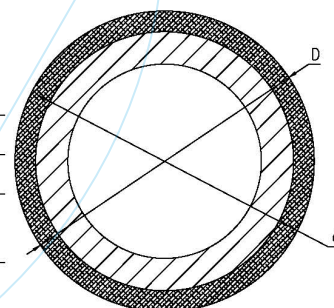
Nº	ITEM	MATERIAL	STANDARD
1	Body	GJS500-7	DIN 1693
2	Plug	A2-70	ASTM A959
3	Ball	Steel + NBR	ISO 4633
4	O-ring	NBR	ISO 4633
5	Bonnet	GJS500-7	DIN 1693
6	Bolt	A2-70	ASTM A959
7	Washer	A2-70	ASTM A959
	RAL 5015 Painting	Epoxy 250 µm	DIN 3476-1



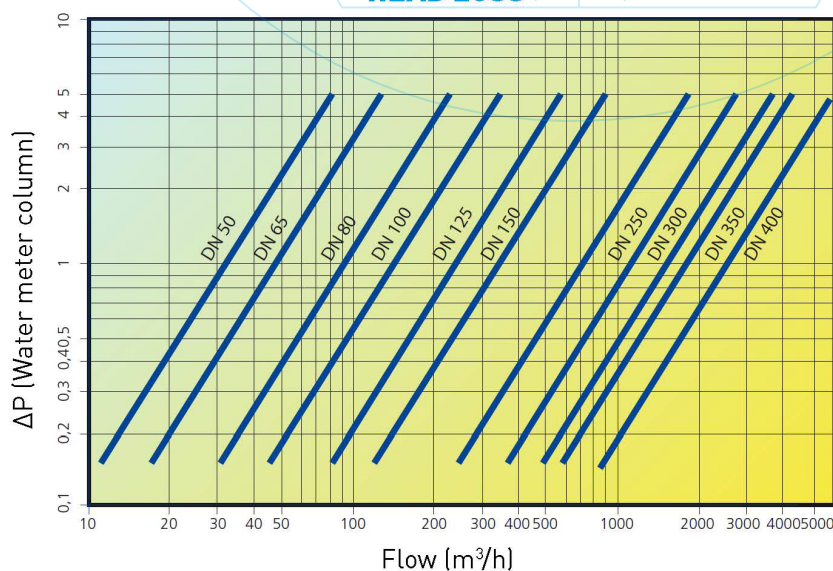
Components may be replaced with materials of equivalent or superior grade without prior notice, in accordance with our continuous improvement policy.

BALL SPECIFICATIONS

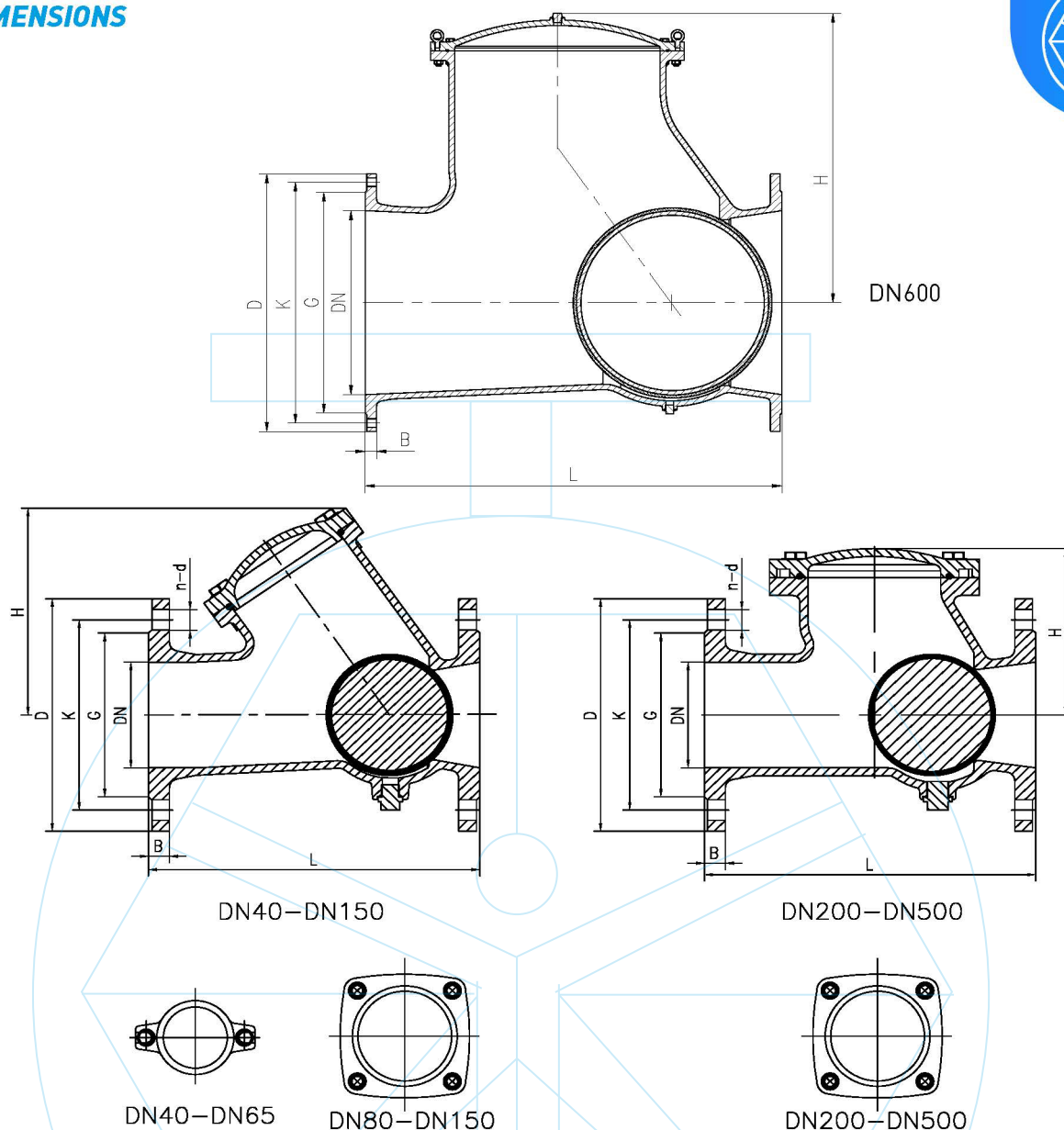
DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
ØD	58	64	80	94	114	146	166	210	260	310	372	424	480	530	625
Ød	50	54	70	84	103	136	155	200	250	300	360	410	460	510	600
Weight (kg)	0.11	0.22	0.37	0.73	1.14	2.15	3.15	6.35	12.1	20.4	45.2	59.8	65	90	140



HEAD LOSS

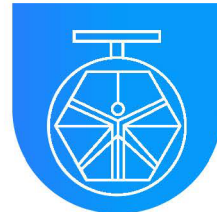


DIMENSIONS



DN	L	H	B	D		K		G		n-ød		Weight (kg)
				PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	
40	180	99	19	150		110		84		4-19		6.5
50	200	108	19	165		125		99		4-19		8.4
65	240	132	19	185		145		118		4-19		11.3
80	260	165	19	200		160		132		8-19		14.3
100	300	196	19	220		180		156		8-19		18.8
125	350	237	19	250		210		184		8-19		27.7
150	400	272	19	285		240		211		8-23		40.1
200	500	287	20	340		295		266		8-23	12-23	61.1
250	600	355	22	395	405	350	355	319		12-23	12-28	101
300	700	425	24.5	445	460	400	410	370		12-23	12-28	146
350	800	536	26.5	505	520	460	470	429		16-23	16-28	262
400	900	584	28	565	580	515	525	480		16-28	16-31	334
450	1000	742	30	615	640	565	585	530	548	20-28	20-31	437
500	1100	784	31.5	670	715	620	650	582	609	20-28	20-34	530
600	1300	943	36	780	840	725	770	682	720	20-31	20-37	862

The designs, materials and technical specifications indicated herein are subject to modification without prior notice, as part of the continuous development of our manufacturing programme, product refinement and technological advancement.



CONTACT US

DAVINCI GATE VALVES ORDER REQUEST

Ref. 161A-VI / PN 10-16



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For professionals who look for more.