



DAVINCI TECHNICAL DATA GUIDE

AUTOMATIC CONTROL VALVES

AIR RELEASE STAINLESS STEEL INTERNALS

Ref. 171A-PLA / PN 10-16



Application

Clean and pre-treated water
Fire protection systems
Irrigation networks
Cooling water circuits
HVAC installations

Approvals/Standards

Mounting flange: PN10/16 EN 1092-2, ISO 7005-2.
Thread connection NPT
Pressure Tests acc. to EN 12266-1 Rate A. GB/T13927-1992
Pressure Tests: Seat: 1,1 x PN
EU directive 2014/68/EU:
Products excluded, article 1, § 2b up to DN300.

Certifications

CE, WRAS

Range

DN25-300, PN10-16-25



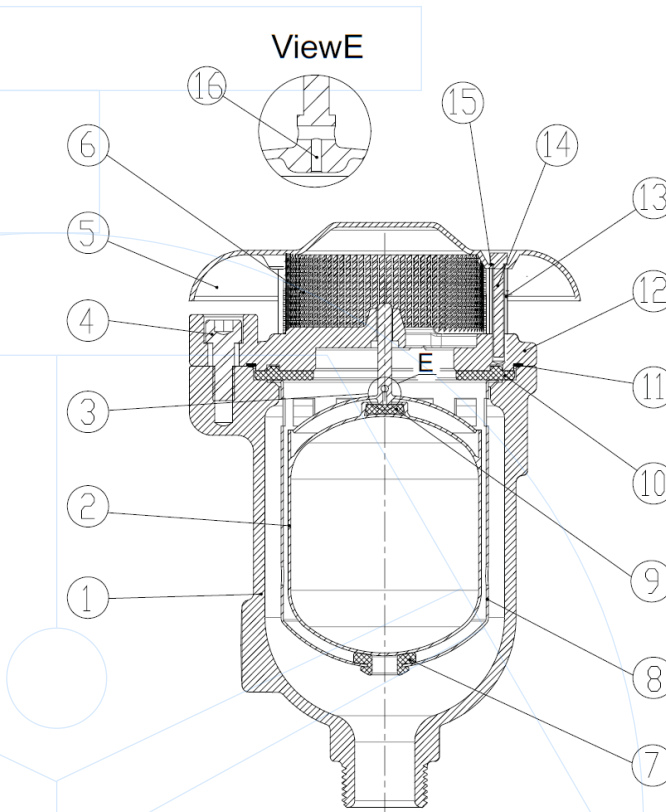
GENERAL CHARACTERISTICS

Sizes DN25 to DN300.
 Tripple effect air release valves.
 Strong float to prevent cracking.
 Aerokinetic mechanism to resist blow shut.
 No arms or levers to prevent vibrations or vending.
 Threaded and flanged connection available.
 WRAS epoxy paint 250 microns.

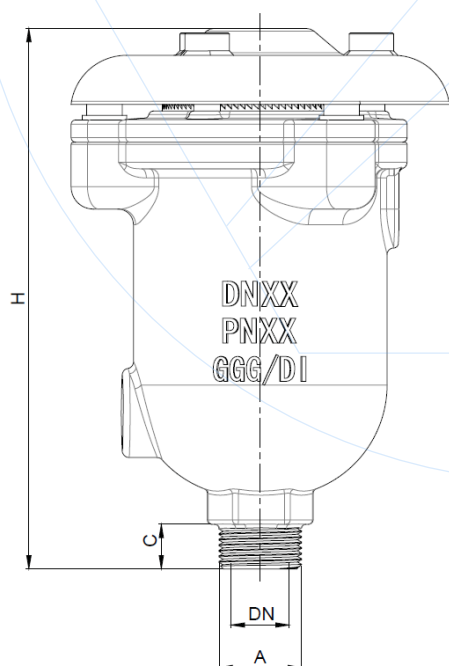
WORKING CONDITIONS

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

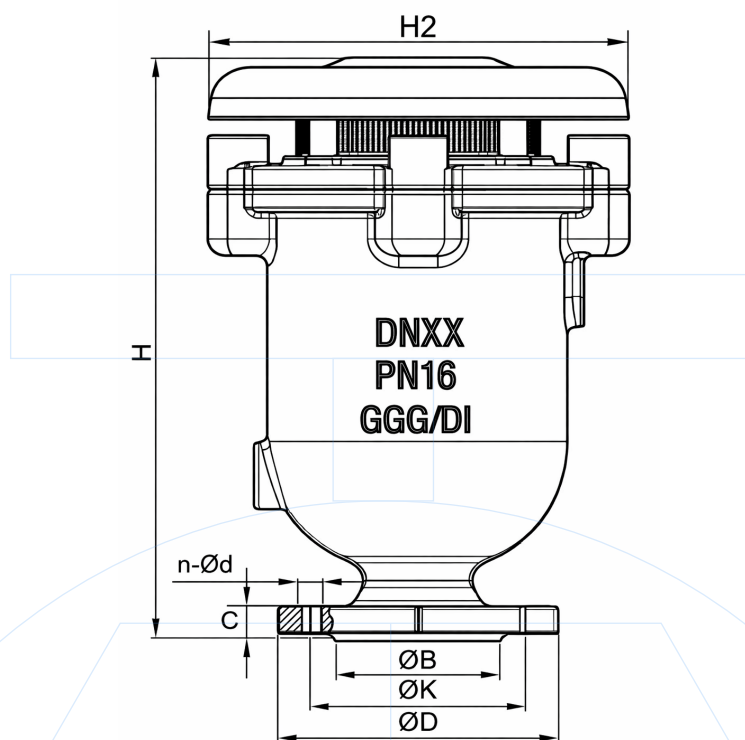
Nº	ITEM	MATERIAL
1	Body	GJS500-7
2	Float	AISI304
3	Sealing arc	AISI304
4	Bolt	Zinc coated / A2
5	Cover	Carbon steel
6	Screen	AISI304
7	Buffer	NBR / EPDM
8	Guide barrel	AISI304
9	Nozzle seat	NBR / EPDM
10	Seat	NBR / EPDM
11	O-ring	NBR / EPDM
12	Bonnet	GJ500-7
13	Pillar	Aluminium
14	Bolt	Carbon steel / A2
15	Washer	AISI304
16	Small nozzle	AISI304
	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.

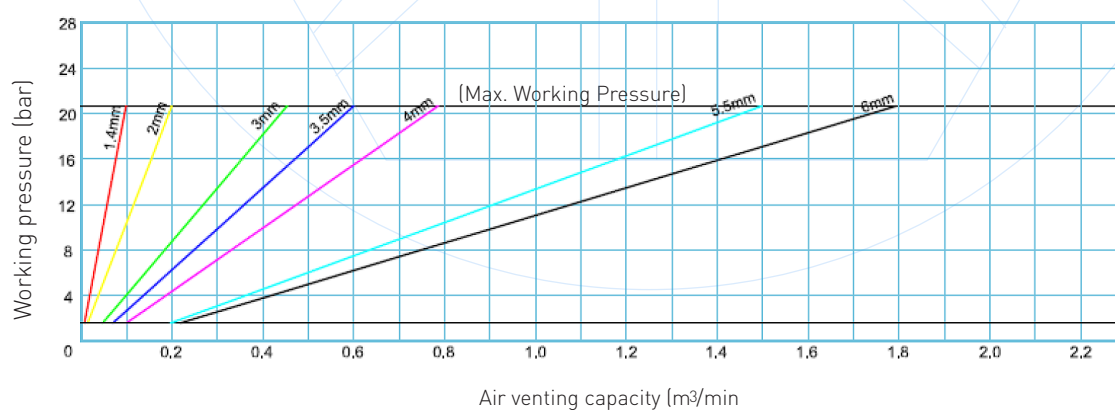


DN	A	C	H	Weight (kg)
25	G1"	20	243	6
32	G1 1/4"	20	243	6
40	G1 1/2"	20	243	6
50	G2	20	243	6



DN	H	H2	B		D		K		n-Ød		C		Weight (kg)
			PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	
50	280	180	99		165		125		4-19		19		12
80	362	250	135		200		160		8-19		19		24
100	395	250	156		220		180		8-19		19		27
150	485	314	211		285		240		8-23		19		54
200	582	390	266		340		295		8-23 12-23		20		77
250	610	390	319		395	405	350 355		12-23 12-28		22		140
300	750	544	370		445	460	400 410		12-23 12-28		24.5		176

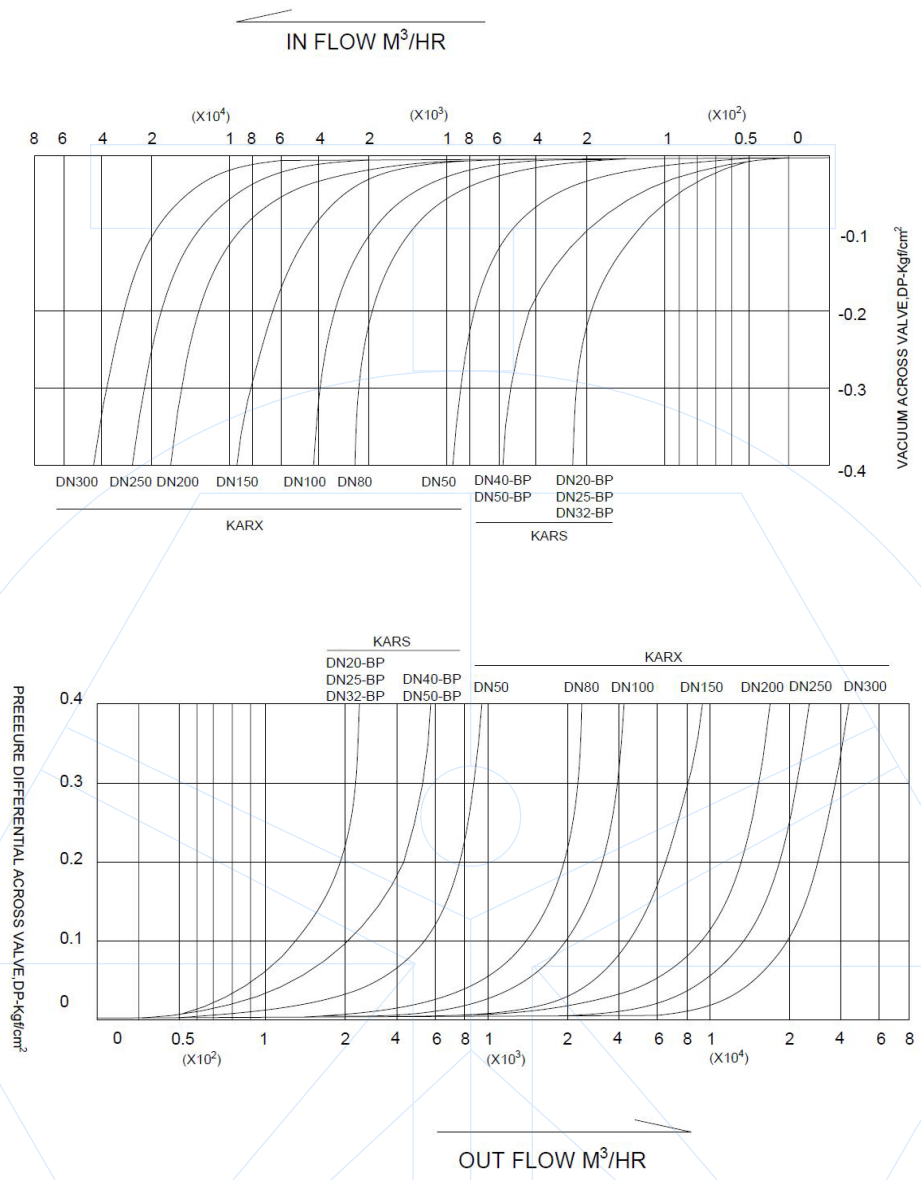
AIR VENTING CAPACITY



DN	Orifice
25-40	1,4
50	2
80	3
100	3,5
150	4
200	5,5
250	5,5
300	6



INLET AND OUTLET FLOW CHART



QUICK SELECTION TABLE

Water flow rate Range Max. CMH (M /hour)	Main pipe size (mm)	Inlet size of Air Relea- se valve (mm)	Bore of outlet (mm)	Small orifice size (mm)
760	80-300	25/32/40/50 (Threaded)	50	1.4
1360	200-400	50	75	2
4160	400-700	80	95	3
8500	750-1000	100	130	3.5
19100	1050-1500	150	170	4
33400	1500-2000	200	230	5.5
76300	2100-3000	300	330	6



CONTACT US

DAVINCI VALVES ORDER REQUEST

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