

DNS Sewage Combination Air Release Valve

Features:

- . Advanced design with simple mechanism, strong float to prevent cracking during sudden water hammer & quick closure.
- . Aerokinetic mechanism to resist blow shut under higher air velocity even up to sonic velocity of air.
- . With special fat body design to lower the sewage water flow speed, and let the air out but keep sewage water underneath.
- . Keep dirty or corrosive liquid inside the body for safety during operation and no harm to human & surrounding environment
- . Internal body guide and upper round wall keep float moving on its rail and keep liquid turbulence flow within this area.
- . Much bigger air flow through the nozzle even for higher viscosity liquid.
- . Outside screen will be an option for safety and prevent insects or birds in.
- . Fully fusion epoxy coated inside and outside of valve body for long term services.
- . Manufacturing standard meets BS EN 1074-4, AWWA C512. Flange drilling and dimension meets BS EN 1092 and ANSI flange.

Service Fields:

For sewage water system.

DNS Sewage combination air release valve

Provides 3 functions:

- 1.Large air release during filling of the pipeline.
- 2.Small air venting under pressurised pipeline.
- 3.Large air intake during draining of the pipeline.



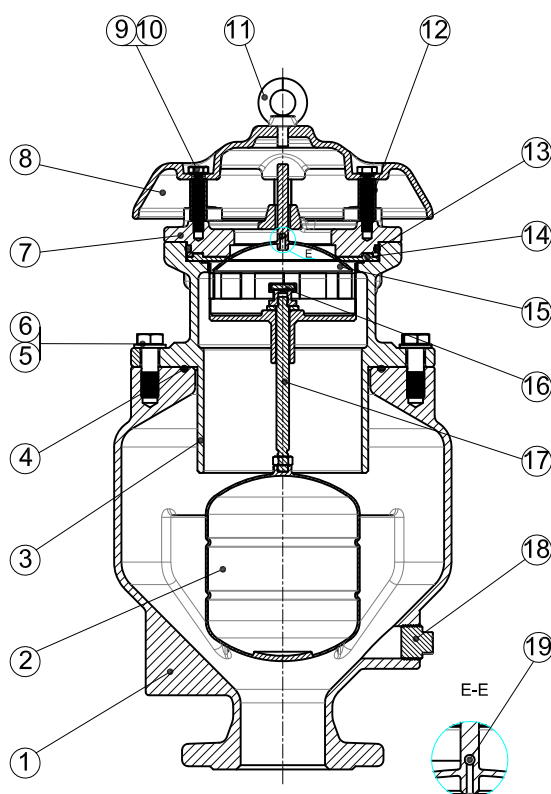
Technical Data		
Rating	16 Bar	
Test	Body	24 Bar
	Seat	17.6 Bar
Temp.	≤80°C	
Media	Sewage	

Technical Data:

Size range: DN 50-300MM
Pressure ratings: 0.1 Bar to 16 Bar (Flange)
Working temperature: -10° to 80°C.
Flow media: sewage water.

Please consult factory for PN25 and anti shock device whenever there is water hammer issue.

Main Valve-DN50-300

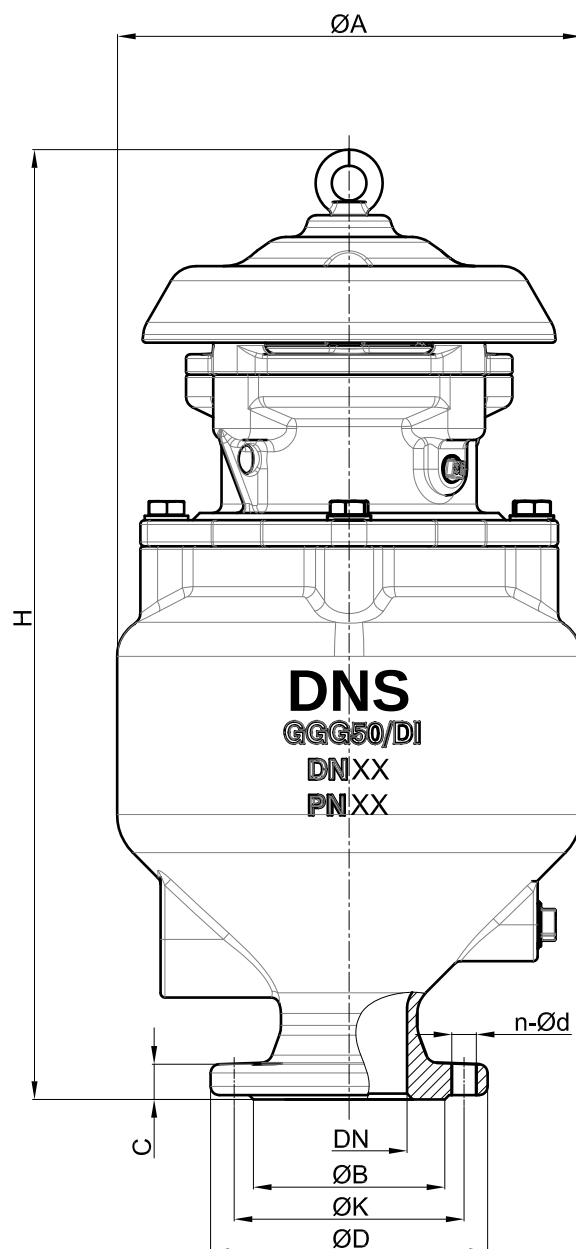


Parts List

* Size ≥DN150 have no Pillar

No.	Part Name	Material	Standard
1	Body	Ductile Iron	EN GJS 500-7
2	Float	Stainless Steel	AISI 316
3	Middle Part	Ductile Iron	EN GJS 500-7
4	O-Ring	Rubber	NBR
5	Hex Bolt	Stainless Steel	AISI 316
6	Washer	Stainless Steel	AISI 316
7	Bonnet	Ductile Iron	EN GJS 500-7
8	Cover	Ductile Iron	EN GJS 500-7
9	Washer	Stainless Steel	AISI 316
10	Hex Bolt	Stainless Steel	AISI 316
11	Eyebolt	Stainless Steel	AISI 316
* 12	Pillar	Stainless Steel	AISI 316
13	O-Ring	Rubber	NBR
14	Seat	Rubber	NBR
15	Sealing Arc	Stainless Steel	AISI 316
16	Nozzle Seat	Rubber	NBR
17	Stem	Stainless Steel	AISI 316
18	Plug	Stainless Steel	AISI 316
19	Small Nozzle	Stainless Steel	AISI 316

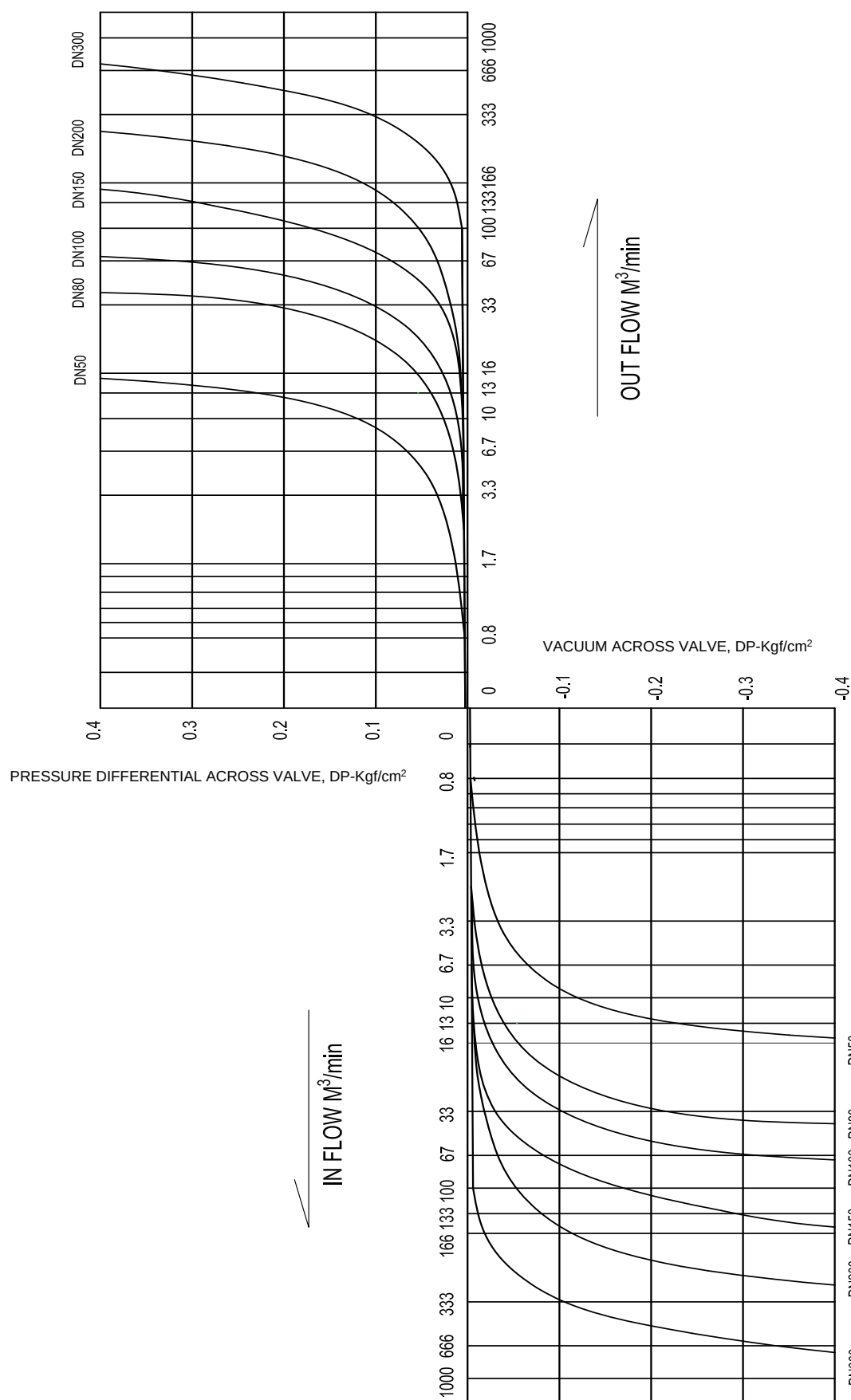
Dimensions



Dimension								unit:mm
DN	H	ØA	ØD PN16	ØK PN16	ØB	N-Ød PN16	C	W KG
50	560	254	165	125	99	4-Ø19	19	31
80	666	320	200	160	132	8-Ø19	19	58
100	682	340	220	180	156	8-Ø19	19	60
150	820	402	285	240	211	8-Ø23	19	115
200	956	488	340	295	266	12-Ø23	20	166

*DNS keeps the right to change dimension without further notice.

BIG NOZZLE EXHAUSTING / INTAKE



SMALL ORIFICE VENTING

