DNS-SKAS - Sewage Combination Air Release Valve

DNS-2"-TF-BSP-SKAS-SAV is an innovative three function full bore air valve for such applications as sewage and wastewater networks. Allowing large and small amounts of air and gas to be released and in taken to offer protection of pressurised mains. Letting it operate as per its designed characteristics and required draining.

Through its unique aerodynamic design, three function operation providing an excellent protection against air and gas accumulation, with improved sealing under low pressure conditions.

DNS-SKAS - 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 piieline.



Applications

- Sewage and wastewater.
- Industrial.
- Treatments Works.
- Pumping stations – Air relief and vacuum prevention.

Operations

- Aerokinetic mechanism to resist sudden closure under higher air velocity even up to sonic air velocity.
- Full Bore ductile iron body – improved flow characteristics.
- Unique Body Design that prevents solids from blocking the valves internal operating parts.
- Dynamic Sealing Pressure – 0.05bar.
- Multiple installation positions.
- 2” BSPP Male Thread Inlet and Female Outlet.
- 3/8” Stainless Steel Drain Off Butterfly Handle Ball Valve.
- The Highest of External and Internal Components.
- Designed for ease of onsite maintenance.
- Each individual valve tested in house prior to despatch and certified.

Approval

- In accordance with EN-1074-4.
- Optional flanges according to EN 1092-2 or other regional requirements.
- Ral 5005 fusion epoxy coated throughout the valve for longevity to 250 microns.

Added Options

- Inlet Only Kit.
- Exit Only Kit.
- Pipe/Soak Away.
- Odour Control Units.

Service Fields

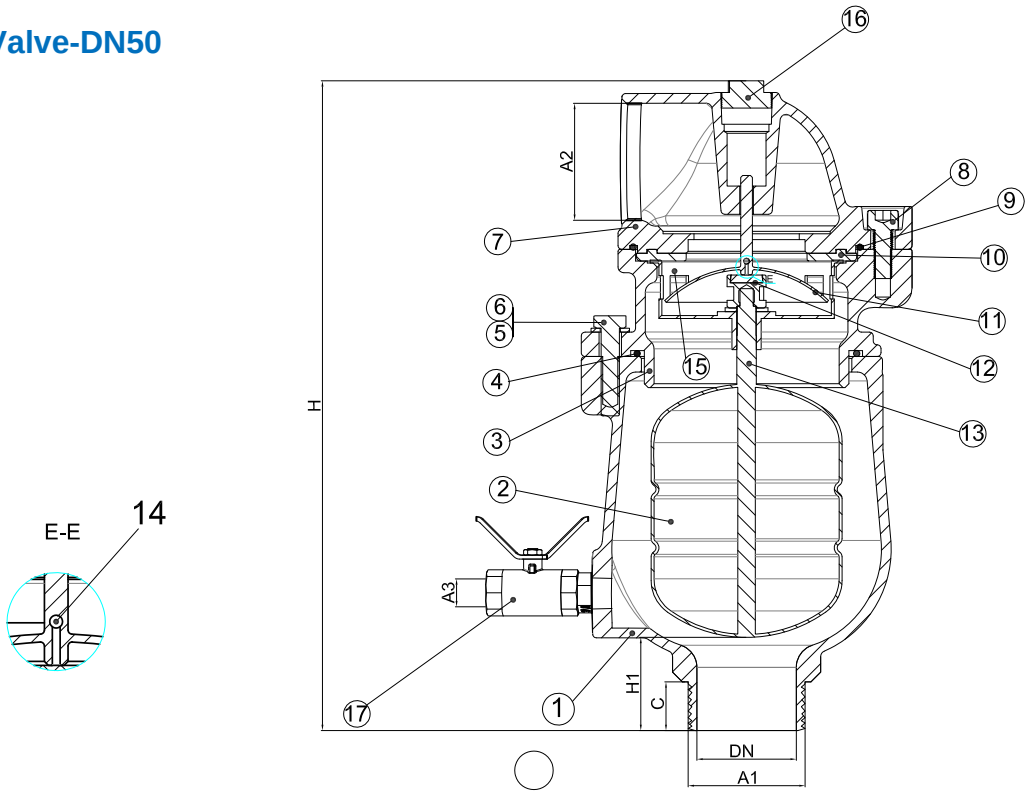
- Wastewater.
- Raw Sewage.
- Industrial.

Technical Information:

- 2” BSPP Male Thread, 50/80 and 100mm PN16 Flanged.
- Operating Temperatures -10 to 80° C max.
- Maximum pressure 25 bar.
- Minimum pressure 0.1 bar.

Designed Network Solutions Ltd, 15 Buckingham Drive, Northwich, CW9 8WB
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Main Valve-DN50



Parts List

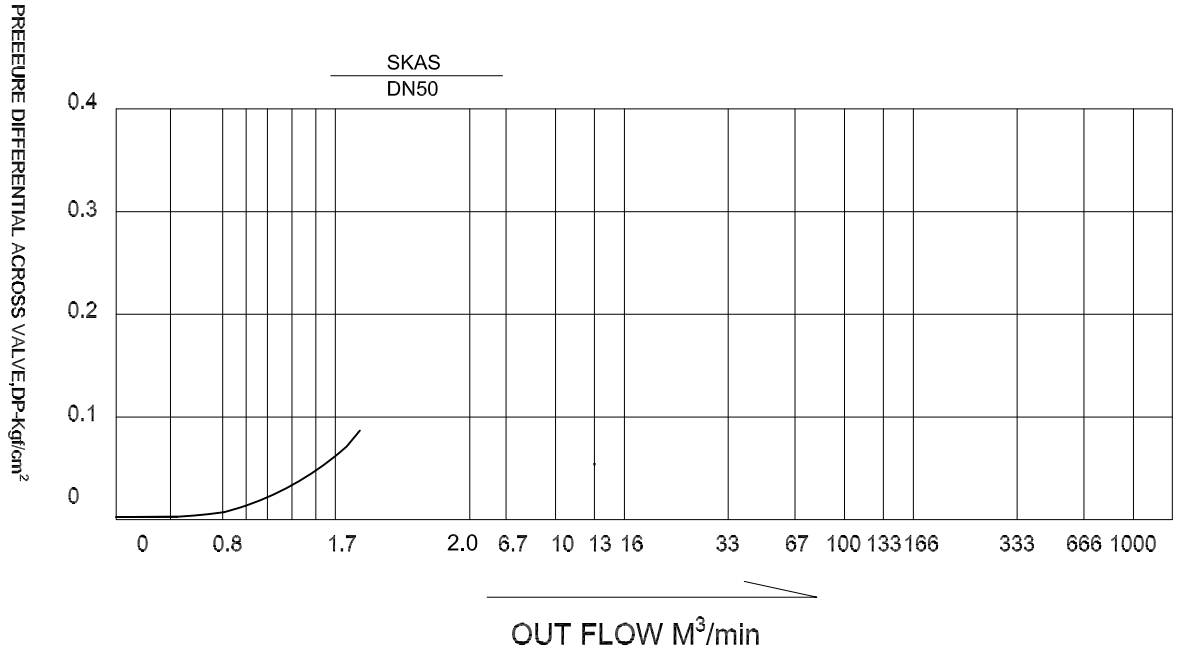
No.	Part Name	Material	Standard
1	Body	Ductile Iron	EN GJS 500-7
2	Float	Stainless Steel	AISI 316
3	Middle Part	Ductile Iron	EN GJS 500-7
4	O-Ring	Rubber	NBR
5	Hex Bolt	Stainless Steel	AISI 316
6	Washer	Stainless Steel	AISI 316
7	Bonnet	Ductile Iron	EN GJS 500-7
8	Screw	Ductile Iron	EN GJS 500-7
9	O-Ring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

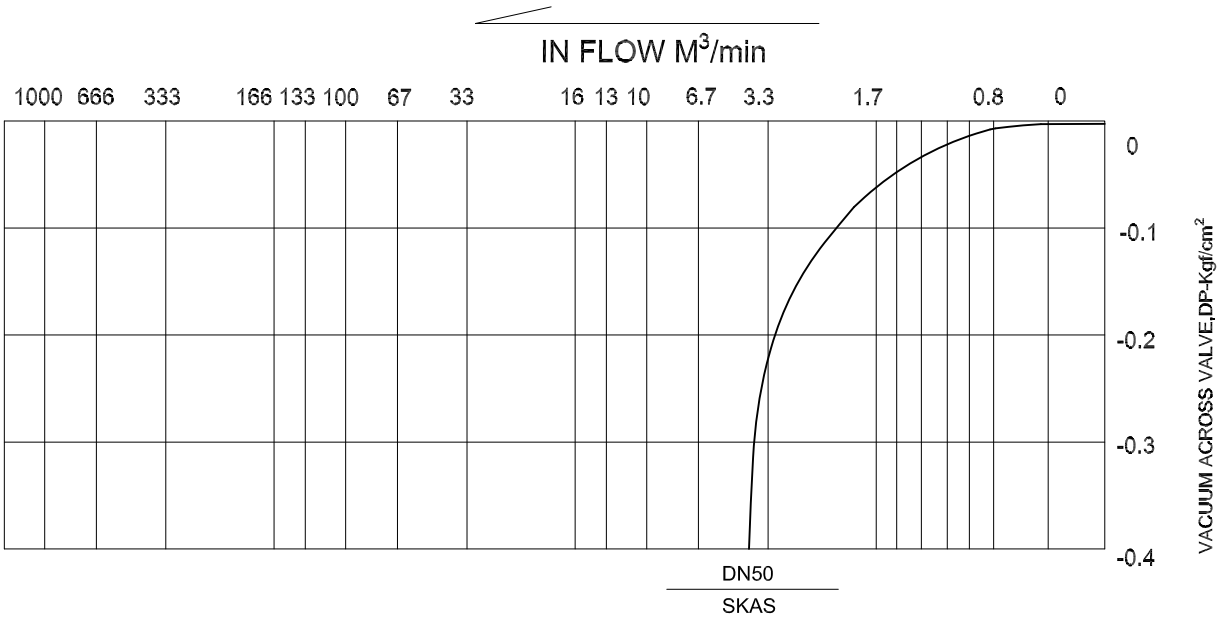
Dimension

Unit: MM

Dimension							
DN	A1	A2	A3	C	H1	H	W
50	G2"	G2"	BSPT3/8"	25	48	333.5	9.7 KG

BIG NOZZLE EXHAUSTING / INTAKE

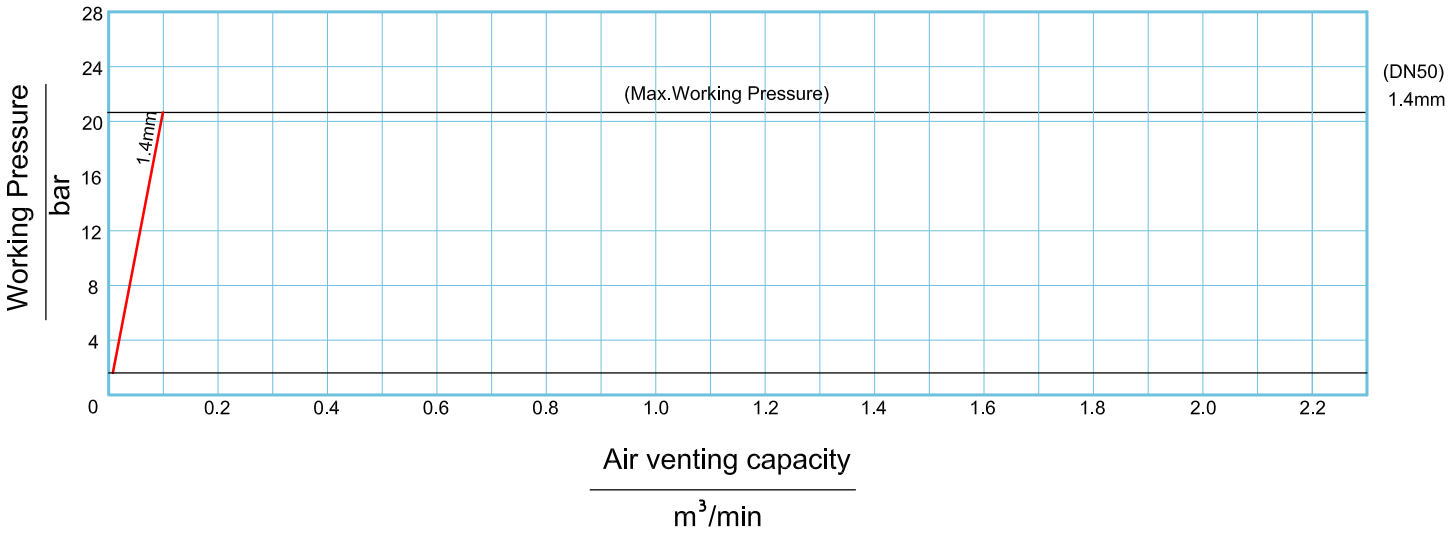




*DNS keeps the right to change dimension without further notice.

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SMALL ORIFICE VENTING



Added Options



DNS-2"-TF-BSP-SKAS-SAV



DNS-80R-TF-PN16-SKAS-SAV



DNS-80R-TF-PN16-BV-SKAS-SAV



DNS-80R-TF-PN16-IOK-SKAS-SAV



DNS-80R-TF-PN16-BGV-SKAS-SAV

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