

Sewage Combination Air Release Valve

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.

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.

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 pipeline.



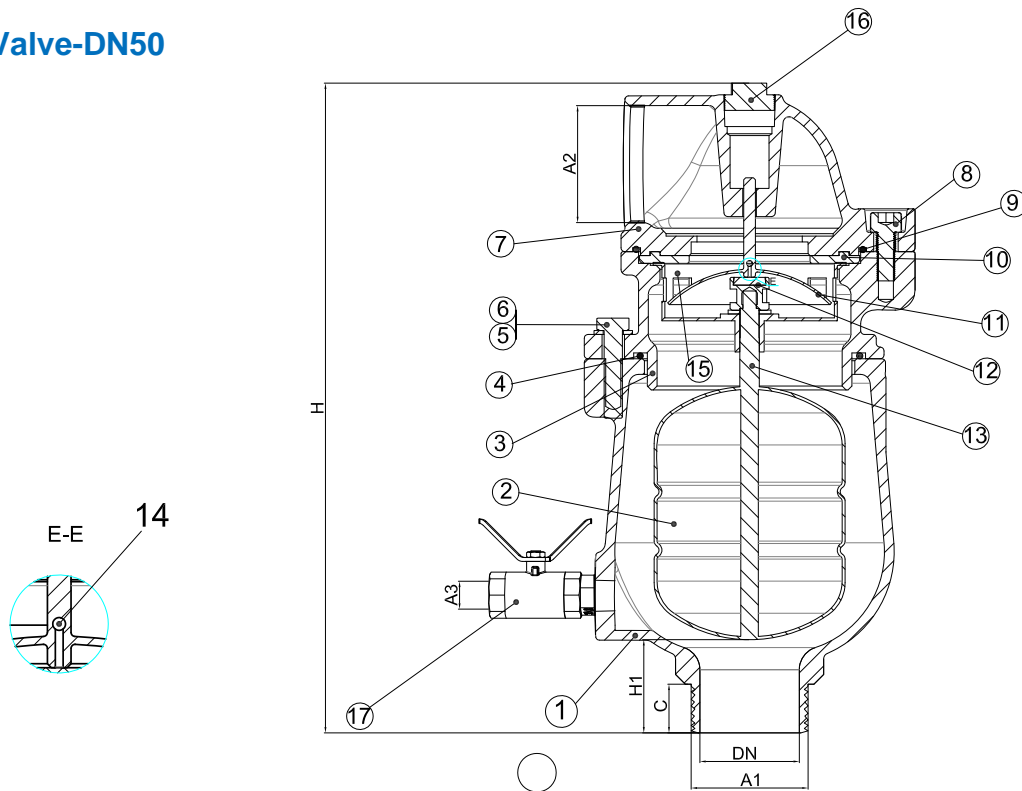
Service Fields

- 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.

Main Valve-DN50



Parts List

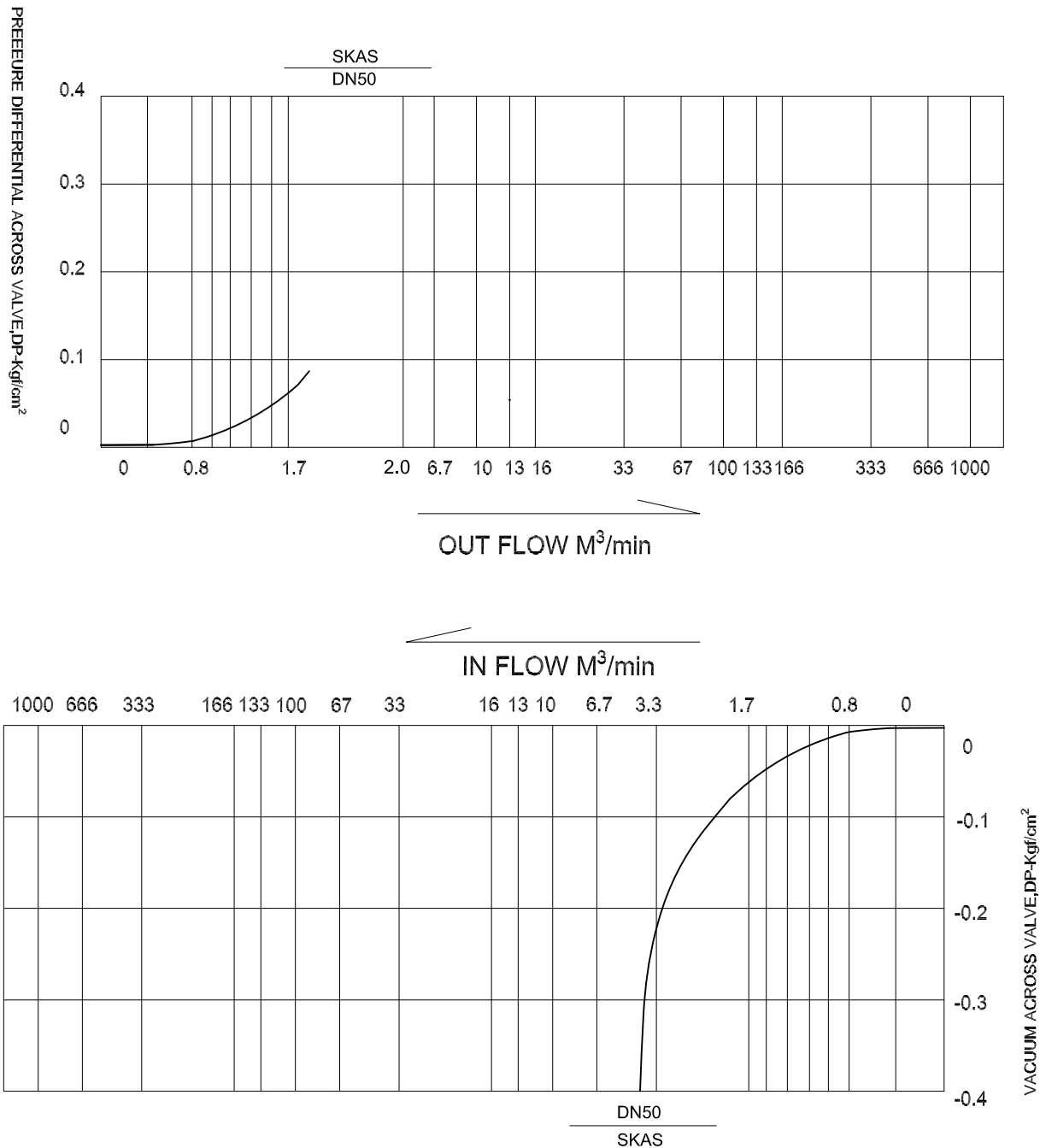
| No. | Part Name | Material | Standard |
|-----|----------------------|-----------------|--------------|
| 1 | Body | Ductile Iron | EN GJS 500-7 |
| 2 | Float | Stainless Steel | AISI 316 |
| 3 | Middle Part | Ductile Iron | EN GJS 500-7 |
| 4 | O-Ring | Rubber | NBR |
| 5 | Hex Bolt | Stainless Steel | 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

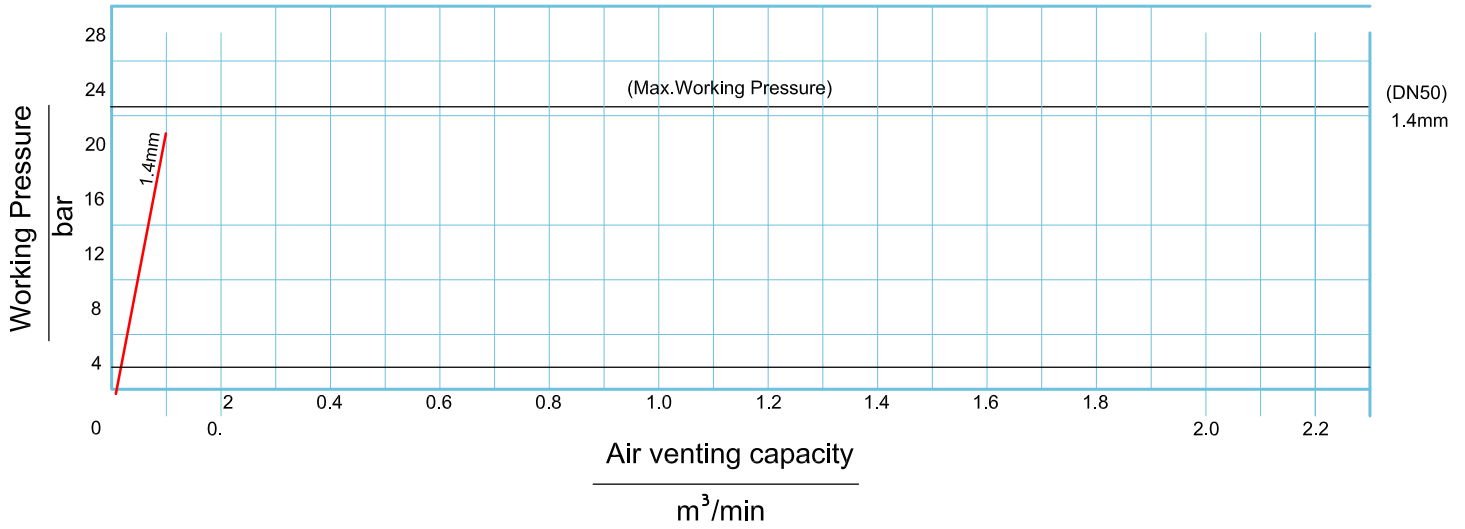
| Dimension | | | | | | | |
|-----------|-----|-----|----------|----|----|-------|--------|
| DN | A1 | A2 | A3 | C | H1 | H | W |
| 50 | G2" | G2" | BSPT3/8" | 25 | 48 | 333.5 | 9.7 KG |

BIG NOZZLE EXHAUSTING / INTAKE



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

SMALL ORIFICE VENTING



Added Options



2"-TF-BSP-SKAS-SAV



80R-TF-PN16-SKAS-SAV



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



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



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