



## Flange Type Sewage Combination Air Release Valve Fully Fusion Epoxy Coated

Our Product Introduction

for more products please visit us on [watercontrol-valve.com](http://watercontrol-valve.com)

### Basic Information

- Place of Origin: China
- Brand Name: OEM
- Certification: ISO9001-2015
- Model Number: SKAR
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Plywood Cases
- Delivery Time: 15-60 Days
- Payment Terms: L/C, T/T
- Supply Ability: Based On Order



### Product Specification

- Material: Ductile Iron GJS500-7
- Internal Parts: SS316
- Coating: Fusion Bonded Epoxy
- Flow Area: Full Flow Area
- Color: RAL5010
- Specialty: Spill Free
- Highlight: wastewater air release valve



### More Images



## Product Description

### Sewage Combination Air Release Valve Single Chamber Triple Function Flange Type Full Flow Area

#### Forming Machine Process

1. CNC Lathe Processing
2. High precision CNC machining center processing
3. General lathe processing
4. The machine punch the product parts
5. Cold Forming Molding
6. Welding Assembly

#### How do we control the quality of machining

1. High-precision CNC lathe processing parts.
2. Advanced Milling Machines
3. UT Inspection to ensure welding quality
4. Weld Polishing
5. 100% Appearance & Size Inspection online (thickness, roundness, etc.)
6. Size & Appearance Shaping

#### Description:

Sewage Combination air release valve provide 3 functions:

##### 1. Large air release

1-1. During water filling the pipeline, float will stay at its original position. (open)

1-2. Let large air out of valve thru big nozzle.

##### 2. Small air release

2-1. When the water level comes up to the top, float will be up to its close position and close the sealing arc- big orifice and small orifice.

2-2. The air (2% of solved air in water ) are continuously coming out from water and gather at the top of the valve.

2-3. The float will be driven down and let small pocket out thru small orifice.

2-4. The sealing arc will still be in close position until empty of water

##### 3. Large air intake during draining of the pipeline.

3-1. Float will drop down when empty of pipeline.

3-2. Large air will come into the pipeline thru valve.

3-3. Preventing from collapse of pipeline and break vacuum.

3-4. Protect the sealing o-ring from clogging in the pipeline.

#### Features:

- . Advanced design: Simple mechanism and strong float to prevent cracking during sudden water hammer& quick closure.
- . Wider middle body, shorter in height.
- . Slow down the flow velocity, keep sewage in the body.
- . Drain boss at the top & bottom for cleaning.
- . Float movement support by both cage and body guide
- . Fast water rising on the back of middle part, prevent direct flushing up to top and out of main body.
- . No arms or levers to prevent vibrating, bending, direct closure of the float.
- . Fully fusion epoxy coated inside and outside of valve body for long term services.
- . Manufacturing standard : BS EN1074-4, AWWA C512
- . Flange drilling and dimension : BS EN 1092 and BS EN 558 and ANSI flange.

#### Service Fields:

For sewage water system.

#### Technical Data:

Size range: DN 50-200MM

Pressure ratings: 1.0Mpa, 1.6Mp (Flange)

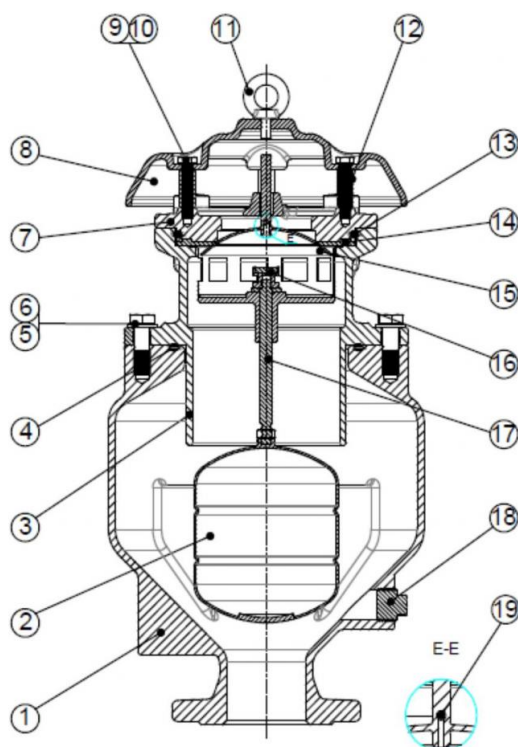
Working temperature: -10°-80°C.

Flow media: sewage water.

Please consult factory for PN25 and antishock device whenever there is waterhammer issue.

Quick Selection Table					
Water Flow Rate CMH	1360	4160	8500	19100	33400
Main pipe size MM	80-400	400-700	750-1000	1050-1500	1500-2000
Size of SKAR MM	50	80	100	150	200

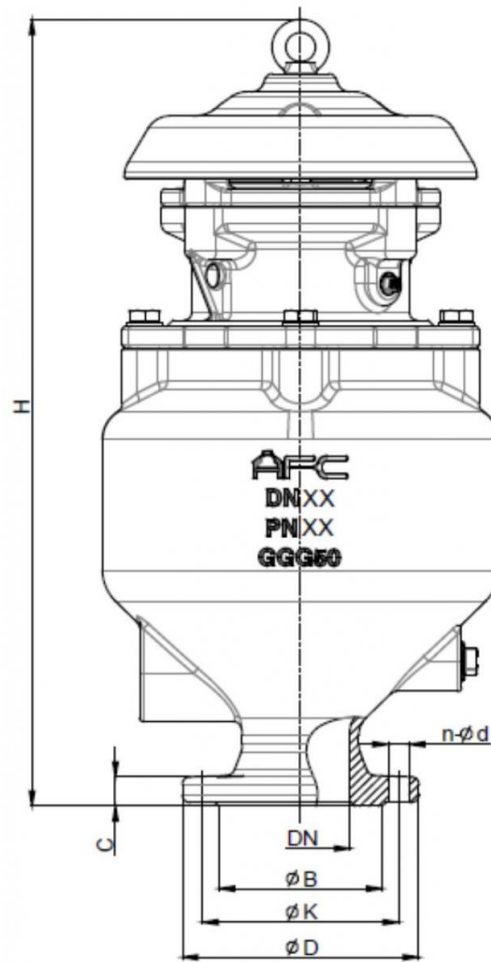
**Material:**



No.	Part Name	Material	Standard
1	Body	Ductile Iron	EN GJS 500-7
2	Float	Stainless Steel	AISI 304/316L
3	Middle Part	Ductile Iron	EN GJS 500-7
4	O-Ring	Rubber	NBR
5	Hex Bolt	Stainless Steel	AISI 304
6	Washer	Stainless Steel	AISI 304
7	Bonnet	Ductile Iron	EN GJS 500-7
8	Cover	Ductile Iron	EN GJS 500-7
9	Washer	Stainless Steel	Commercial/AISI 304/316
10	Hex Bolt	Stainless Steel	Commercial/AISI 304/316
11	Eyebolt	Carbon Steel	Commercial
*12	Pillar	Aluminium	Commercial
13	O-Ring	Rubber	NBR
14	Seat	Rubber	NBR
15	Sealing Arc	Stainless Steel	AISI 304/316L
16	Orifice Seat	Rubber	NBR
17	Stem	Stainless Steel	AISI 304/316L
18	Plug-Option	Stainless Steel	AISI 304/316L
19	Small Orifice	Stainless Steel	AISI 304/316L

\* Size  $\geq$  DN150 have no pillar.

Dimension:



Unit: MM

DN	Model No.	H	ØD		ØK		ØB		n-Ød		C
			PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	
50	SKAR-0050	558	165		125		99		4-Ø19		19
80	SKAR-0080	653	200		160		132		8-Ø19		19
100	SKAR-0100	676	220		180		156		8-Ø19		19
150	SKAR-0150	810	285		240		211		8-Ø23		19
200	SKAR-0200	950	340		295		266		8-Ø23	12-Ø23	20



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