



Anti Shock Sewage Air Release Valve For Wastewater Transmission Pipeline

Our Product Introduction

for more products please visit us on 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: Fushion Bonded Epoxy
- Flow Area: Full Flow Area
- Color: RAL5010
- Specialty: Spill Free
- Highlight: **water supply valve**



More Images



Product Description

Anti-shock Spill Free Triple function Sewage Combination air release valve

Service:

1. Provide your technical requirements and drawings
2. Get primary reply from us within 12 hours
3. Get technical solution and quotation from us within 24 hours
4. Technical solution and quotation confirmation
5. Provide samples if necessary
6. Contract review and signing
7. Arrange production and shipment
8. After sales service

Anti-shock sewage combination air release valve can help to prevent water hammer. It decreased the water velocity and restrict the velocity of air flow. This type of valve is generally used in long waste water transmission pipeline where may occur a water hammer. If the air exhaust out the valve too quick, the waste water will comes in very fast, too. The water will prevent the float go up which caused the valve leaking.

Function:

Combination kinetic air release valve provide 3 functions:

1. Large air release - by Anti-shock device
 - 1-1. Decrease the air exhausting velocity to prevent water hammer.
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:

- . Spill Free.
- . Wider middle body, shorter in height.
- . Slow down the flow velocity, keep sewage in the body.
- . Drain boss at the top & bottom for cleaning.
- . Fully fusion epoxy coated inside and outside of valve body for long term services.
- . Most parts of valves can be recycled.
- . All internal parts are 316SS material without rusting.
- . Float with a rubber sealing can be as an absorber to prohibit water hammer direct acting on the sealing arc and seat impact.

Service Fields:

For sewage water system.

Technical Data:

Size range: DN 50-200MM

Pressure ratings: 1.0Mpa, 1.6Mp (Flange)

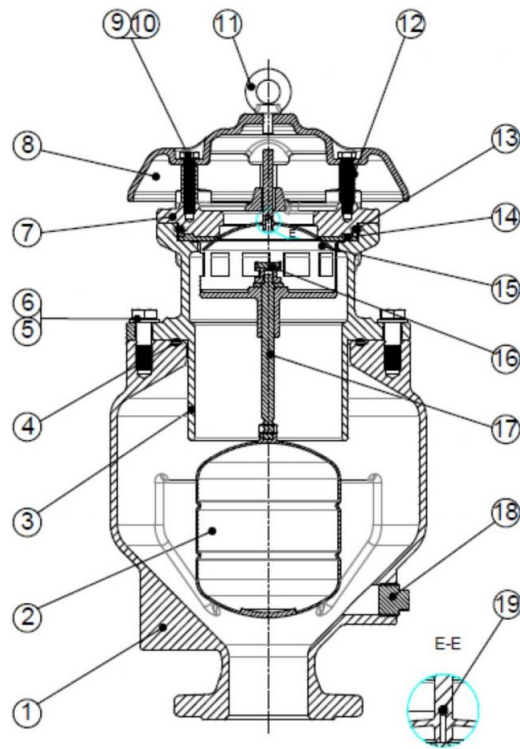
Working temperature: -10°-80°C.

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

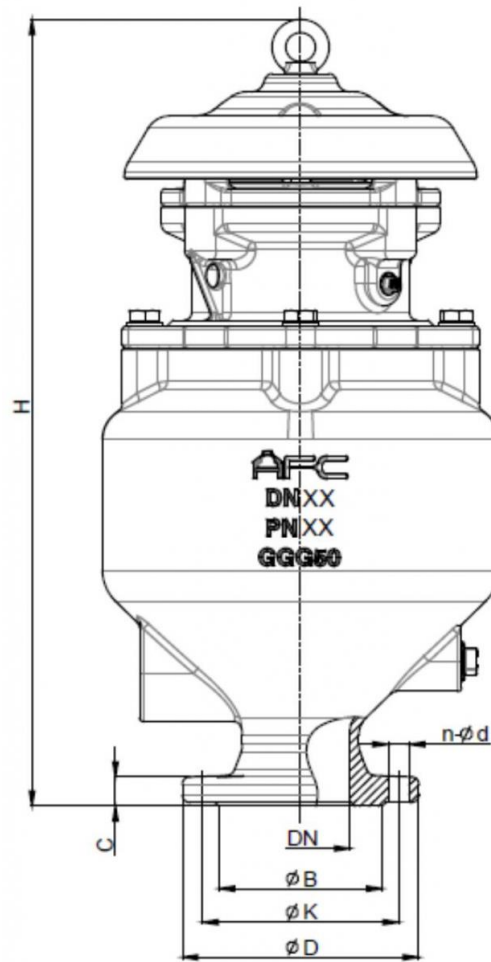
Material:



No.	Part Name	Material	Standard
1	Body	Ductile Iron	ENGJS500-7
2	Float	Stainless Steel	AISI304/316L
3	Middle Part	Ductile Iron	ENGJS500-7
4	O-ring	Rubber	NBR
5	Hex Bolt	Stainless Steel	AISI304
6	Washer	Stainless Steel	AISI304
7	Bonnet	Ductile Iron	ENGJS500-7
8	Cover	Ductile Iron	ENGJS500-7
9	Washer	Stainless Steel	Commercial/AISI304/316
10	Hex Bolt	Stainless Steel	Commercial/AISI304/316
11	Eyebolts	Carbon Steel	Commercial
12	Pillar	Aluminium	Commercial
13	O-ring	Rubber	NBR
14	Seat	Rubber	NBR
15	Sealing Arc	Stainless Steel	AISI304/316L
16	Orifice Seat	Rubber	NBR
17	Stem	Stainless Steel	AISI304/316L
18	Plug-Option	Stainless Steel	AISI304/316L
19	Small Orifice	Stainless Steel	AISI304/316L

Size≥150 have no pillar.

Dimension:



DN	Model No.	H	ΦD		ΦK		ΦB		n-Φd		C
			PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	
50	SKAR-0050	558	165		125		99		4-Φ19		19
80	SKAR-0080	653	200		160		132		8-Φ19		19
100	SKAR-0100	676	220		180		156		8-Φ19		19
150	SKAR-0150	810	285		240		211		8-Φ23		19
200	SKAR-0200	950	340		295		266		8-Φ23	12-Φ23	20



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