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Product Catalog

AV-WP-KA

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Wastewater Air Valves

AV-WP-KA
(Metal Air Valves)



AV-WP-KA Wastewater Air Valves

The AV-WP-KA valve has been designed for efficient discharge and intake of air from pressurized sewage systems where confined air (gases) could impair the system's operation.

The valves conical elongated body design minimizes the possibility of suspended solids or greases / oils clogging the orifice or causing the mechanism to foul up and stick.

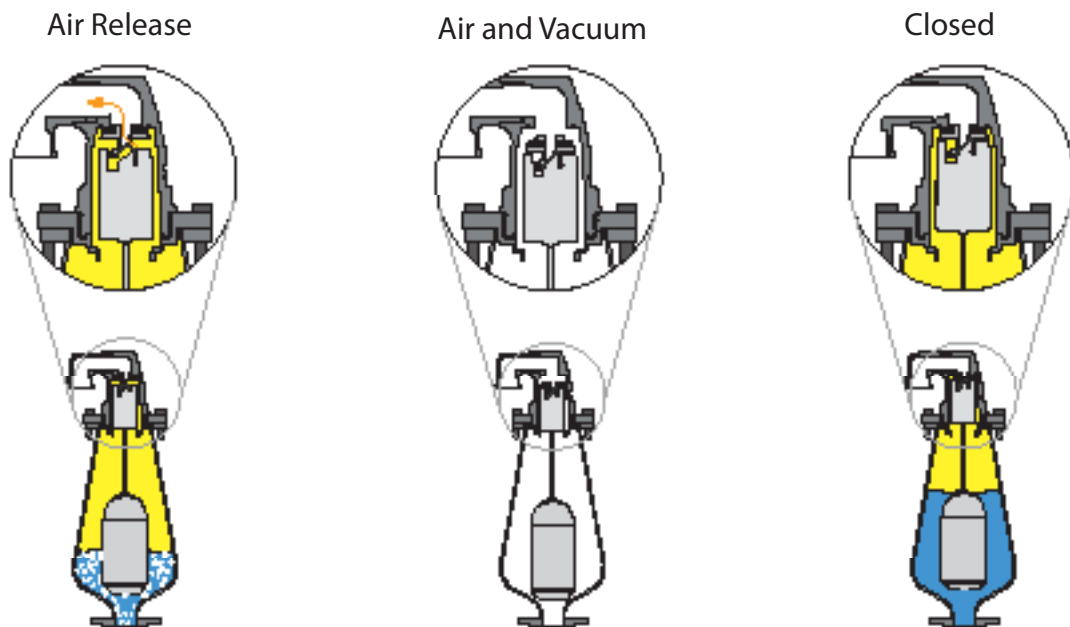
For ease of maintenance, the AV-WP-KA is equipped with a 1" drain valve to allow periodic flushing of sediments, grease and solids.

Operation

- Discharge of air at high flow velocity during the initial filling of the network.
- Introducing large quantities of air into the system when the pipe drains, maintaining atmospheric pressures in the pipeline and preventing collapse and cavitation damage to the conduits.
- Relieving entrapped air (gases) from the pipeline while the network is at normal working pressure.



Principle of operation



Dissolved air is accumulated in the valve, released when the float drops

Pipeline is aerated

Pipeline is full of liquid

Dimensions & Weights

Valve	2" threaded	2" flanged	3" flanged	4" flanged	6" flanged
Dimension	US	US	US	US	US
H - Height	25 7/8"	25 7/8"	25 7/8"	25 7/8"	25 7/8"
W - Width	9 5/8"	9 5/8"	9 5/8"	9 5/8"	9 5/8"
D - Thread/flange	---	6 1/2"	7 7/8"	8 3/4"	11"
A - Aut. Nozzle Area	0.02 in ²	0.02 in ²	0.02 in ²	0.02 in ²	0.02 in ²
K - Nozzle Area	1.33 in ²	1.33 in ²	1.33 in ²	1.33 in ²	1.33 in ²
E - Drainage Diameter (NPT)	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Weight	27.5 lbs.	26.9 lbs.	33 lbs.	39.7 lbs.	48.5 lbs.

End Connections

- 2" Available in Threaded NPT or ANSI 150 Flanged
- 2" - 6" ANSI 150 Flanged

Operating Pressure Range

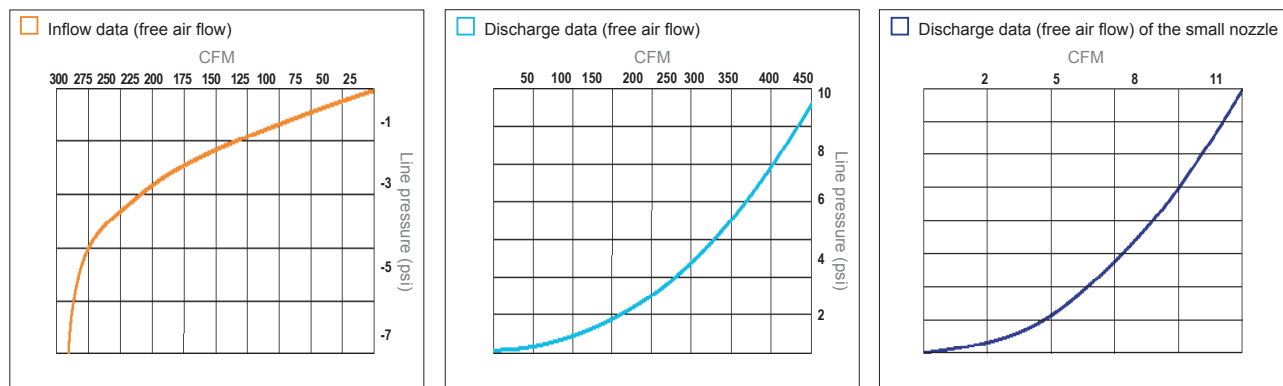
3 - 250 psi

Components

No	Description	Material
1	Bonnet elbow	PP
2	Bonnet	GRP
3	Seals	EPDM
4	Top Float	Foam PP
5	Spring	SS302
6	Main Float Sub. Assy.	SS316
7	Body *	ST-37
8	Bolt	SS316
9	Adapter Flange	PA
10	O Ring	NBR
11	O Ring	NBR

*Three layer, UV protected epoxy coating

Performance



WASTEWATER SERVICE COMBINATION AIR RELEASE / AIR & VACUUM VALVES ORDERING GUIDE

AV-SIZE-WP	- TYPE	- MATERIAL		- CONNECTIONS	
AV2.00-WP	- KA Combination Air Release & Air and Vacuum	- CS	Coated Steel	- TH	NPT (IPS)
AV3.00-WP		- SS	Stainless Steel	- FL	ANSI 150 Flg.
AV4.00-WP					
AV6.00-WP					

-TH available in 2.00 only

ORDERING GUIDE EXAMPLE

AV3.00-WP	- KA	- SS	- FL
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Hundreds of companies in the industrial, civil engineering, municipal and agricultural sectors around the world have chosen our innovative and field-proven technologies. Since our establishment we strive to lead the valves market with continued innovation, uncompromising excellence and firm commitment to our customers, consulting and supporting them through all stages of a project and overcoming challenges in R&D, design, implementation, and maintenance.



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