AUTOMATIC AIR AND GAS VENTS FOR LIQUID SYSTEMS
AE16SS

DESCRIPTION

The AE16SS all stainless steel air eliminator removes air from HVAC systems and are also suitable for non corrosive and/or dangerous liquids compatible with the construction, providing that their specific weight is no less than 0,75 kg/dm³.
This ball float type automatic air eliminator can be used in combination with other air elimination and separation systems or directly applied at high points in the piping.



MAIN FEATURES

Corrosion resistant working parts.
Replaceable internal parts.

OPTIONS: Integrated check valve.

USE: Cold and hot water systems.

AVAILABLE MODELS:
AE16SSE – EPDM valve.
AE16SSV – Viton valve.
Suffix "CK": Version with integrated check valve.

SIZES: 1/2" and 3/4".

CONNECTIONS: Female threaded ISO 7 Rp or NPT.
1/2" or 3/4" vertical inlet.
1/2" vertical outlet.

INSTALLATION: Vertical installation. It must be installed absolutely vertically at points in the plant where the air tends to collect. The drain should be piped to a safe position.
See IMI – Installation and maintenance instructions.

BODY LIMITING CONDITIONS	
THREADED PN 16 ALLOWABLE PRESSURE	RELATED TEMPERATURE
16 bar	100 ºC
14,5 bar	150 ºC
13,4 bar	200 ºC
12,7 bar	250 ºC

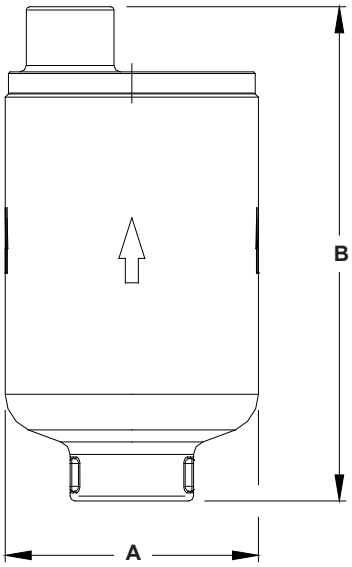
PMO – Maximum operating pressure: 14 bar.
TMO – Maximum operating temperature:
EPDM valve: 130 ºC;
Viton valve: 150 ºC.
Min. liquid specific weight: 0,75 kg/dm³.
Maximum working diff. pressure: 12 bar.

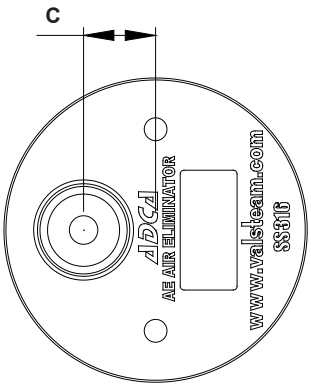
CE MARKING – GROUP 2 (PED – European Directive)	
PN 16	Category
1/2" and 3/4"	SEP

FLOW RATE CAPACITY (NL/min)											
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)									
		0,5	1	2	3	4	5	6	7	8	10	12
AE16SS	1/2" – 3/4"	47	70	109	145	182	218	255	291	327	400	473

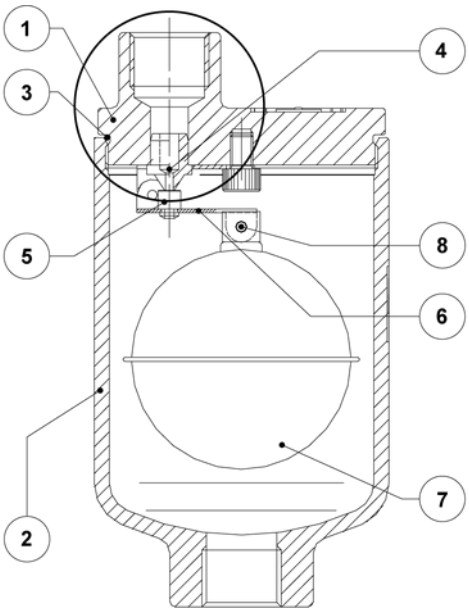
Values shown refer to capacities of air discharge at 15 ºC, under average atmospheric pressure (1013 mbar).
If the temperature of the air differs from 15 ºC, the discharge capacity can be corrected by multiplying it by: $\frac{288}{273 + T}$, where T is the actual temperature in ºC.
It may be assumed that the temperature of the air is equal to the temperature of the water.

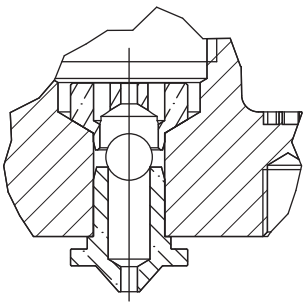
We reserve the right to change the design and material of this product without notice.





DIMENSIONS (mm)				
SIZE	**A**	**B**	**C**	**WEIGHT (kg)**
1/2"	78	152	19	1,5
3/4"	78	152	19	1,5





Optional check valve

MATERIALS		
POS. Nº	**DESIGNATION**	**MATERIAL**
1	Body	A351 CF8M / 1.4408
2	Cover	A351 CF8M / 1.4408
3	* O-ring	EPDM
4	* Seat	AISI 316 / 1.4401
5	* Valve	Viton; EPDM
6, 8	* Lever	AISI 304 / 1.4301
7	* Float	AISI 304 / 1.4301

* Available spare parts.

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