

## 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/dm<sup>3</sup>.

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	RELATED TEMPERATURE
ALLOWABLE PRESSURE	
16 bar	100 °C
14,5 bar	150 °C
13,4 bar	200 °C
12,7 bar	250 °C

PMO – Maximum operating pressure: 14 bar.

TMO – Maximum operating temperature:

EPDM valve: 130 °C;

Viton valve: 150 °C.

Min. liquid specific weight: 0,75 kg/dm<sup>3</sup>.

Maximum working diff. pressure: 12 bar.

#### CE MARKING – GROUP 2 (PED – European Directive)

PN 16	Category
1/2" and 3/4"	SEP

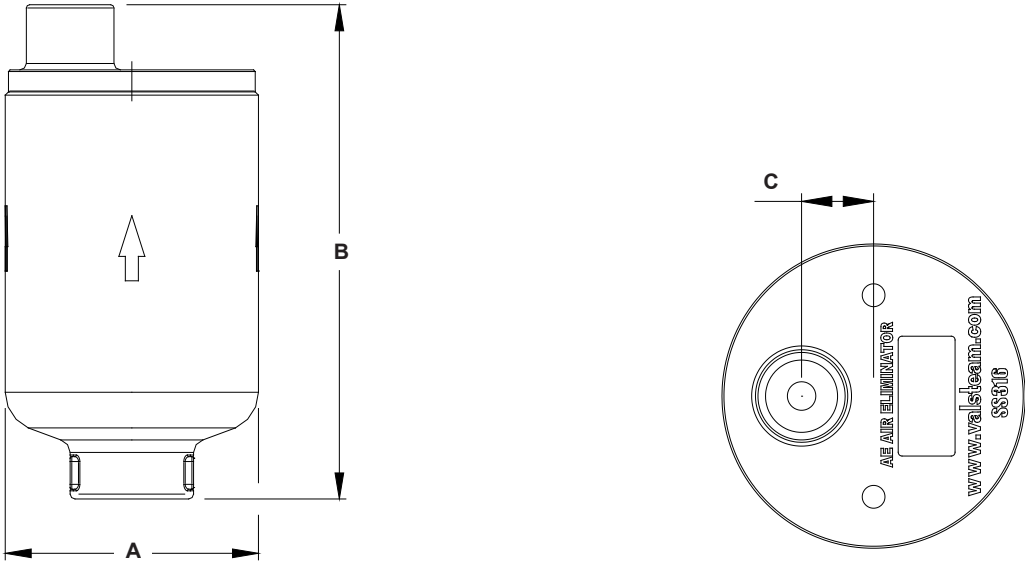
#### FLOW RATE CAPACITY (NL/min)

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

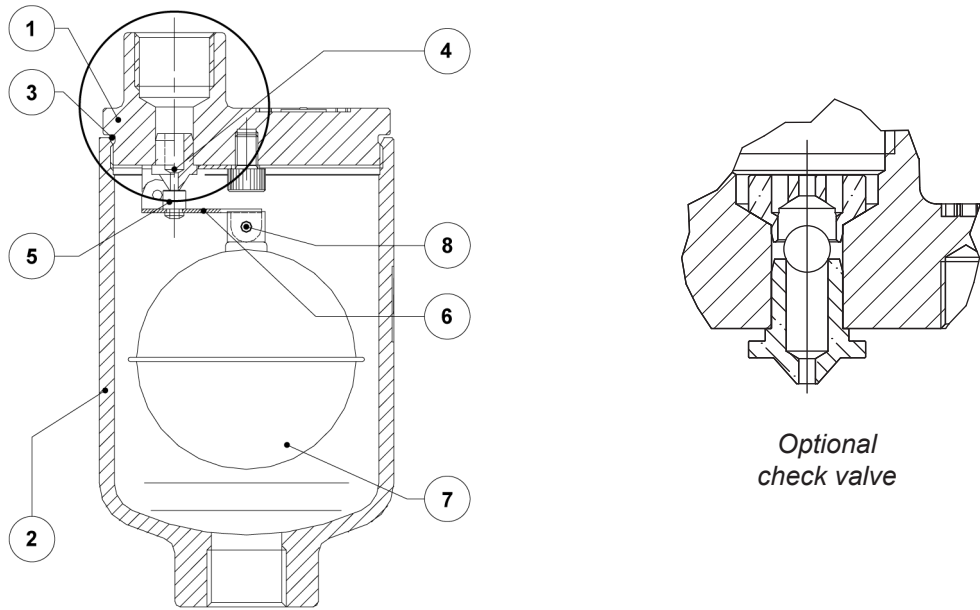
Values shown refer to capacities of air discharge at 15 °C, under average atmospheric pressure (1013 mbar).

If the temperature of the air differs from 15 °C, the discharge capacity can be corrected by multiplying it by:  $\frac{288}{273 + T}$ , where T is the actual temperature in °C.

It may be assumed that the temperature of the air is equal to the temperature of the water.



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



MATERIALS		
POS. N°	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.