

AIR ELIMINATORS FOR WATER SYSTEMS AE16SS

DESCRIPTION

The AE16SS all stainless steel air eliminators remove air from HVAC systems and are also suitable for non corrosive and/or dangerous liquids, providing that their specific weight is no less than 0,75 kg/L.

This ball float type automatic air eliminators can be used in combination with other air elimination and separation systems or directly applied at high points in the piping.

Connections are female screwed.

MAIN FEATURES

Corrosion resistant.

Replaceable internal parts.

USE: Cold and hot water systems.

AVAILABLE

MODELS: AE16SSE (EPDM valve).
AE16SSV (VITON valve).

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

CONNECTIONS: Inlet 1/2" or 3/4" vertical.
Outlet 1/2" vertical.
Female screwed ISO 7/1Rp (BS21).

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.



APPLICATION LIMITS	
Min. liquid specific weight	0,75 kg/dm ³
Maximum working diff. pressure	12 bar

CE MARKING – GROUP 2 (PED – European Directive)	
PN16	Category
1/2" and 3/4"	SEP

BODY LIMITING CONDITIONS	
THREADED PN16 ALLOW. PRESS.	RELATED TEMP.
16 bar	100 °C
14,5 bar	150 °C
13,4 bar	200 °C
12,7 bar	250 °C

PMO – Max. op. press.: 14 bar;
TMO – Max. op. temp. (EPDM valve): 130 °C;
TMO – Max. op. temp. (Viton valve): 150 °C.

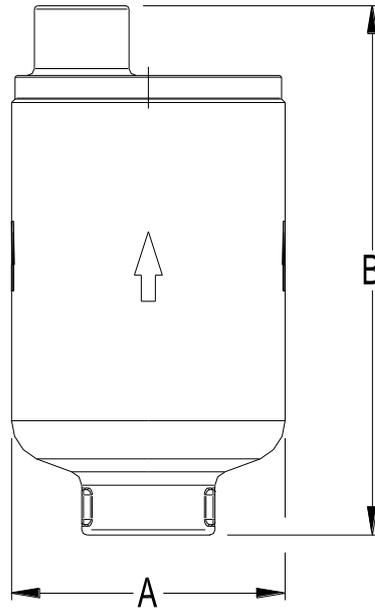
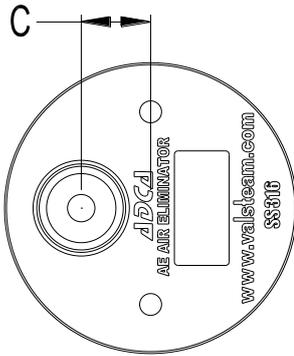
FLOW RATE CAPACITY (NL/min)												
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)										
		0,5	1	2	3	4	5	6	7	8	10	12
AE16SS	1/2" to 3/4"	45	65	95	125	165	185	225	263	290	365	425

Capacities at a standard atmospheric pressure of 1 bar and 20 °C.

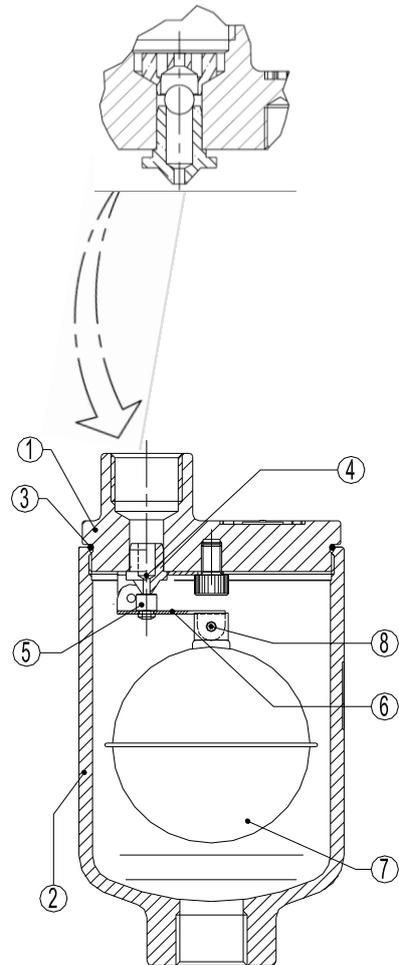
If the temperature differs from 15 °C, the discharge capacity can be corrected by multiplying it by: $\frac{288}{273 + T}$,
where T is the actual temperature in °C.

DIMENSIONS (mm)

SIZE	A	B	C	WGT. (kg)
1/2"	78	152	19	1,5
3/4"	78	152	19	1,5



AE16SS-CK
 (with check valve)



MATERIALS

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

* Available spare parts.