

FOR WATER SYSTEMS AE16 (Cast Iron)

DESCRIPTION

The AE16 air eliminator removes air from HVAC systems and is also suitable for non corrosive and/or dangerous liquids providing that their specific weight is not less than 0,75Kg/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.

Connections are female screwed.

MAIN FEATURES

Corrosion-resistant working parts.

Replaceable internal parts.



USE: Cold and hot water systems.

AVAILABLE MODELS: AE16-6E; AE16-14E (EPDM Valve)
AE16-6V; AE16-14V (VITON Valve)

SIZES: DN 1/2", 3/4" and 1"

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

INSTALLATION: Vertical installation. It must be installed absolutely vertically at the 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 dif.pressure-AE16/6	6 bar
Maximum working dif.pressure-AE16/14	14 bar

BODY LIMITING CONDITIONS	
Threaded PN16	RELATED TEMP.
ALLOW. PRES.	
16 bar	100 °C
15,5 bar	150 °C
14,7 bar	200 °C
13,9 bar	250 °C

PMO - Max. operating pressure 14 bar
TMO - Max. operating temperature (EPDM valve) 130 °C
TMO - Max. operating temperature (VITON valve) 180 °C

FLOW RATE CAPACITY IN N l/min														
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)												
		0,5	1	2	3	4	5	6	7	8	10	12	13	14
AE16-6	1/2"-1"	75	95	140	185	245	265	330						
AE16-14	1/2"-1"	45	65	95	125	165	185	225	263	290	365	425	445	475

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

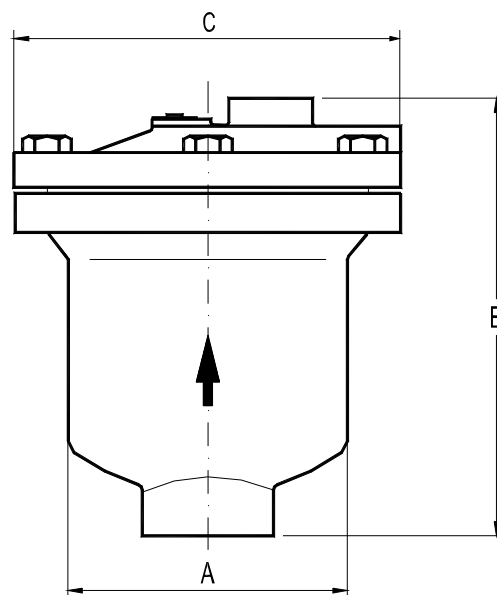
If the temperature differs from 15°C, the discharge capacity can be corrected by multiplying it by:

where T is the actual temperature in °C.

$$\frac{288}{273 + T}$$

$$273 + T$$

DIMENSIONS (mm)				
SIZE DN	A	B	C	WGT. Kgs
1/2"	100	150	140	4
3/4"	100	150	140	4
1"	100	150	140	4



MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GJS-400-15 / 0.7040
2	Cover	GJS-400-15 / 0.7040
3	* Gasket	St.Steel / Graphite
4	* Seat	AISI 304 / 1.4301
5	* Valve	VITON or EPDM
6	* Lever	AISI 304 / 1.4301
7	* Float	AISI 304 / 1.4301
8	Bolts	Steel 8.8

*Available spare parts.

