



ADCA Aerator fig. 488 series AE31.2 steel internal thread

Automatic de-aerator made of steel for removing air and other non-condensable gases from water systems and other liquid systems.

This float-ball de-aerator can be used with other de-aeration and air separation systems.

Furthermore, the AE31.2 series can also be used independently by placing it directly at the highest points in the system.

Characteristics

Series: AE31.2

Type: 488

Model: Air vent

Housing material: Carbon steel

Material quality: ASTM A216 WCB/1.0619

Material connection piece: Steel P250GH (1.0460)

Connection: Internal thread

Standard connection: ISO 7/1 Rp

Maximum pressure difference: 6 bar

PMA - maximum allowable pressure: 37.1 bar

TMA - maximum allowable temperature: 300 °C

PMO - maximum operating pressure: 32 bar

TMO - maximum operating temperature: 200 °C

Sealing: Stainless steel/graphite

Float material: Stainless steel SS 304 (1.4301)

Seat material: Stainless steel 303 (1.4305)

Valve in inlet: No

With non-return valve: No

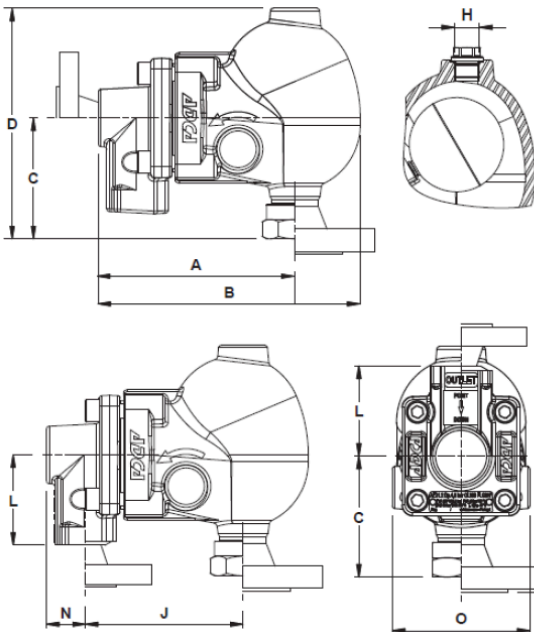
Min. specific density of liquid: 0.75 kg/dm³

Approvals: PED 2014/68/EU fluid group 2

PED classification: PED-SEP

Application

- Cold water.
- Hot water.
- Other liquids that do not affect the design and to which $\rho > 0.75 \text{ kg/dm}^3$ applies.



Size table:

A	B	C	D	H	J	L	N	O	Weight
mm	mm	mm	mm		mm	mm	mm	mm	kg
168	243	141	214	3/8 " BSP	137	65	31	130	9

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

Version	Capacity table in nl/min														
	Pressure difference														
	0.1bar	0.5bar	1bar	2bar	4bar	6bar	8bar	10bar	12bar	14bar	16bar	18bar	21bar	25bar	32bar
AE31.2-6/1"x1/2"	97	212	266	388	648	904	-	-	-	-	-	-	-	-	-
AE31.2-14/1"x1/2"	46	100	125	183	306	428	551	673	795	918	-	-	-	-	-
AE31.2-21/1"x1/2"	33	72	90	132	220	308	396	484	573	660	748	837	969	-	-
AE31.2-32/1"x1/2"	15	33	41	60	101	141	182	222	263	303	344	385	446	527	669
Values shown for air discharge at 15°C below average atmospheric pressure (1013mbar).															
It is assumed that the air temperature is equal to the water temperature.															
Correction capacity if air temperature is not 15°C: Capacity x (288 / 273 + T), where T = current temperature.															

Connection size	Nominal inner diameter	Pressure rating	Article
1" BSP	DN25	PN40	14479167
1" BSP	DN25	PN40	14479168
1" BSP	DN25	PN40	14479169
1" BSP	DN25	PN40	14479166

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.