

## AUTOMATIC AIR AND GAS VENTS FOR LIQUID SYSTEMS AE30SS

### DESCRIPTION

The AE30SS all stainless steel sealed body air eliminator removes air from hot and superheated water systems and is also suitable for all liquids compatible with the construction, providing that their specific weight is not 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.

USE: Cold, hot and superheated water systems.

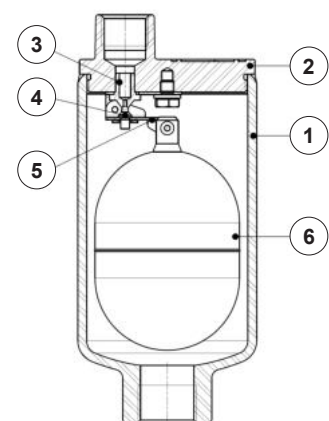
### AVAILABLE

MODELS: AE30SS – stainless steel.

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 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 <sup>3</sup> |
| Maximum working diff. pressure | 30 bar                  |

| DIMENSIONS (mm) |    |     |             |
|-----------------|----|-----|-------------|
| SIZE            | A  | B   | WEIGHT (kg) |
| 1/2"            | 75 | 187 | 1,3         |
| 3/4"            | 75 | 187 | 1,3         |

| BODY LIMITING CONDITIONS |         |
|--------------------------|---------|
| THREADED PN 40           | RELATED |
| ALLOW. PRESS.            | TEMP.   |
| 40 bar                   | 100 °C  |
| 33,7 bar                 | 200 °C  |
| 31,8 bar                 | 250 °C  |
| 29,7 bar                 | 300 °C  |

| MATERIALS |             |                    |
|-----------|-------------|--------------------|
| POS.      | DESIGNATION | MATERIAL           |
| 1         | Body        | A351 CF8M / 1.4408 |
| 2         | Cover       | A351 CF8M / 1.4408 |
| 3         | Seat        | AISI 316 / 1.4401  |
| 4         | Valve       | AISI 316 / 1.4401  |
| 5         | Lever       | AISI 304 / 1.4301  |
| 6         | Float       | AISI 316 / 1.4401  |

PMO – Max. operating press.: 30 bar;  
TMO – Max. operating temp.: 300 °C;

| FLOW RATE CAPACITY (NL/min) |             |                             |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----------------------------|-------------|-----------------------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| MODEL                       | SIZE        | DIFFERENTIAL PRESSURE (bar) |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                             |             | 0,5                         | 1  | 2  | 3  | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 12  | 15  | 18  | 20  | 22  | 25  | 30  |
| AE30SS                      | 1/2" – 3/4" | 31                          | 46 | 72 | 96 | 120 | 144 | 168 | 192 | 216 | 241 | 265 | 313 | 385 | 457 | 505 | 553 | 626 | 746 |

Capacities shown refer to the capacity of air discharge at 15 °C, under atmospheric pressure.

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.