

AIR ELIMINATORS FOR WATER SYSTEMS AE32 (Carbon Steel)

DESCRIPTION

The AE32 carbon steel 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 gravity 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 or flanged for horizontal or vertical installation.

MAIN FEATURES

Corrosion-resistant working parts.

Replaceable internal parts.

OPTIONS: Internal strainer (only on horizontal models).

USE: Cold, hot and superheated water systems.

AVAILABLE MODELS:

AE 32-17

SIZES: DN 1", DN 25.

CONNECTIONS: Female screwed ISO 7/1Rp(BS21).

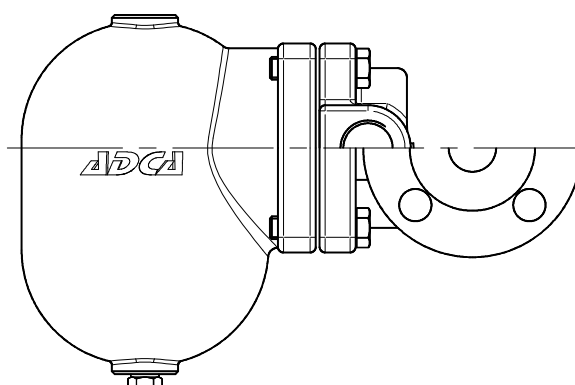
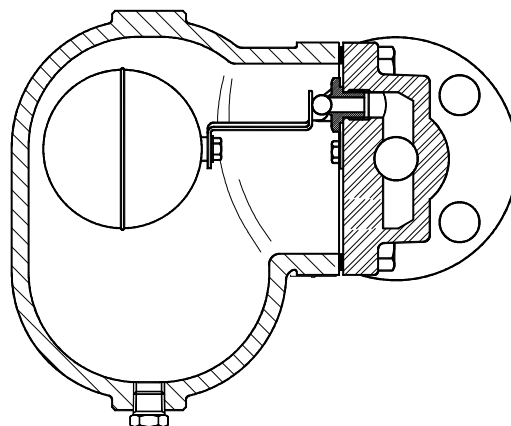
Flanged EN 1092 -1or ANSI.

Special flanges upon request.

INSTALLATION

Horizontal or vertical installation (on request). It must be installed with the float lever in horizontal plane, so that it rises and falls vertically. It should be installed at the points in the plant where the air tends to collect.

The drain should be piped to a safe position.



| APPLICATION LIMITS | |
|---------------------------------------|-------------------------|
| Min. Liquid specific weight | 0,75 Kg/dm ³ |
| Maximum working dif. pressure-AE32-17 | 17 bar |

| CE MARKING (PED - European Directive 97/23/EC) | |
|--|---------------|
| PN 40 | Category |
| DN25 - DN1" | 1 (CE Marked) |

| BODY LIMITING CONDITIONS | | |
|--------------------------|---------------------|---------------|
| FLANGED PN40 / ANSI 300* | FLANGED ANSI 150 ** | RELATED TEMP. |
| ALLOW. PRES. | ALLOW. PRES. | |
| 37,1 bar | 15,4 bar | 100 °C |
| 33,3 bar | 13,8 bar | 200 °C |
| 30,4 bar | 12,1 bar | 250 °C |
| 27,6 bar | 10,2 bar | 300 °C |

PMO - Max. operating pressure 32 bar

TMO - Max. operating temperature 200 °C

* According to EN1092-1:2007 ; ** Acc. to EN1759-1:2004

Body limiting conditions PN40 or below, depending on the type of connection adopted. Rating PN40 for thread, SW and BW.

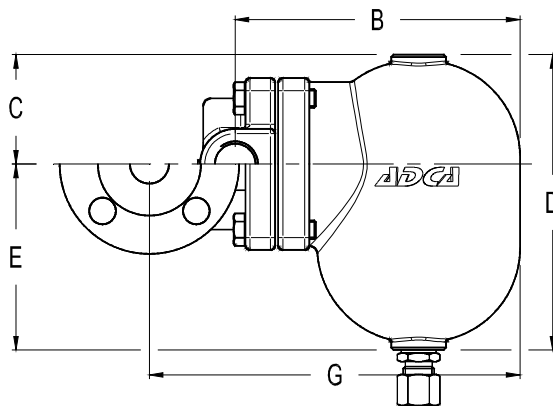
| FLOW RATE CAPACITY IN N l/min. | | | | | | | | | | |
|--------------------------------|---------|-----------------------------|-----|-----|-----|-----|-----|-----|------|------|
| MODEL | SIZE | DIFFERENTIAL PRESSURE (bar) | | | | | | | | |
| | | 0,5 | 1 | 2 | 4 | 6 | 8 | 10 | 13 | 17 |
| AE32-17 | 1" - 25 | 75 | 120 | 240 | 420 | 535 | 720 | 870 | 1200 | 1380 |

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: $\frac{288}{273 + T}$, where T is the actual temperature in °C.

| DIMENSIONS (mm) | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|-----|-----|----|-----|-----|---------|---------------|-----|---------|-----------------|-----|---------|----------|-----|---------|------------|-----|---------|----------|-----|---------|------------|-----|---------|
| Screwed | | | | | | | EN PN 16 / 40 | | | EN PN 16 / 40 * | | | ANSI 150 | | | ANSI 150 * | | | ANSI 300 | | | ANSI 300 * | | |
| SIZE DN | A | B | C | D | E | WT. Kgs | F | G | WT. Kgs | F | B | WT. Kgs | F | G | WT. Kgs | F | B | WT. Kgs | F | G | WT. Kgs | F | B | WT. Kgs |
| 25-1" | 120 | 195 | 80 | 190 | 110 | 9 | 160 | 248 | 11,3 | 230 | 195 | 12 | 160 | 248 | 11 | 230 | 195 | 11,2 | 160 | 248 | 11,3 | 230 | 195 | 12,8 |

* Alternative



| MATERIALS | | |
|-----------|---------------------|--------------------------|
| POS.Nr. | DESIGNATION | MATERIAL |
| 1 | Body | GP240GH / 1.0619 |
| 2 | Cover | GP240GH / 1.0619 |
| 3 | *Gasket | Stainless st. / Graphite |
| 4 | *Seat | AISI 410 / 1.4006 |
| 5 | *Valve | AISI 410 / 1.4006 |
| 6 | *Lever | AISI 304 / 1.4301 |
| 7 | *Float | AISI 304 / 1.4301 |
| 8 | Compression fitting | Fe / Zn 12 - ISO 2081 |
| 9 | Bolts | Steel 8.8 |

* Available spare parts.

