

AIR AND GAS FLOAT TRAPS FA16



DESCRIPTION

The ADCA FA16 series of fully automatic ball float traps are extremely compact, lightweight and specially designed for draining condensate from compressed air lines. Usual applications include aftercoolers, separators and compressed air mains.

MAIN FEATURES

- Corrosion resistant.
- Replaceable internal parts.
- Modulating discharge.
- Unaffected by sudden or wide load and pressure variations.

- OPTIONS:** Compression fitting.
 Hand purging knob.
- USE:** Compressed air and other non corrosive gases compatible with the construction.
- AVAILABLE MODELS:** FA16SS – stainless steel.
- SIZES:** 1/2" and 3/4".
- CONNECTIONS:** Female threaded ISO 7 Rp or NPT.
 1/2" or 3/4" vertical inlet (top to bottom).
 1/2" vertical outlet.
- INSTALLATION:** Vertical installation. It must be installed absolutely vertically at the points in the plant where condensate tends to collect. The drain should be piped to a safe position. See IMI – Installation and maintenance instructions.



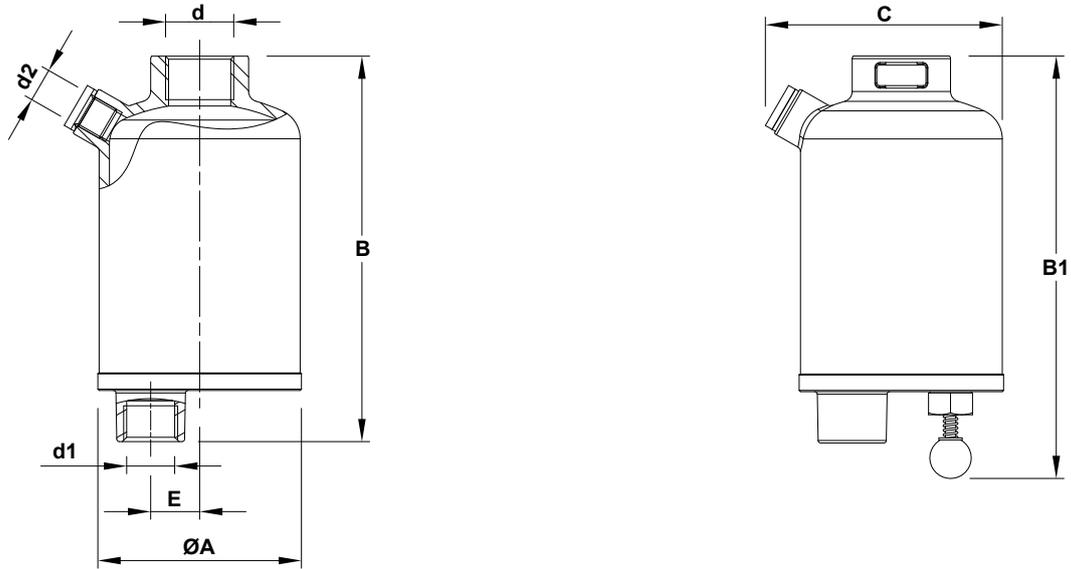
With hand purging knob

| CE MARKING – GROUP 2 (PED – European Directive) | |
|--|-----------------|
| PN 16 | Category |
| 1/2" and 3/4" | SEP |

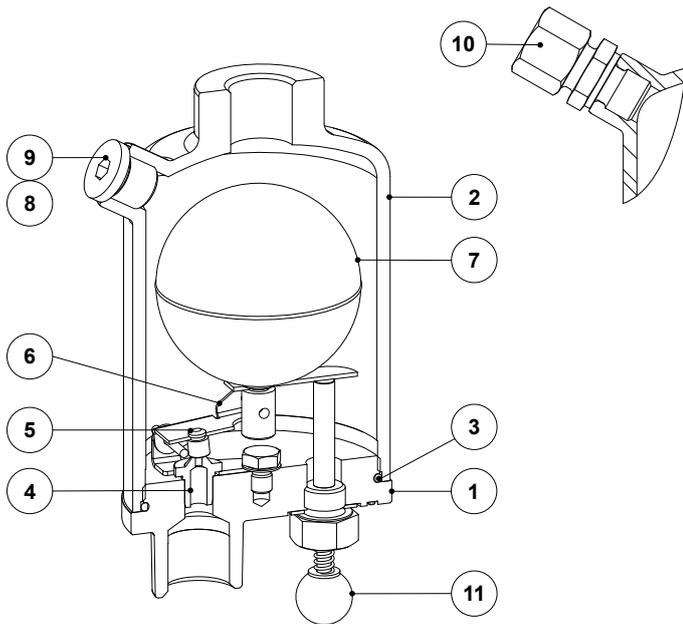
| BODY LIMITING CONDITIONS | |
|---|------------------------|
| THREADED PN 16 ALLOWABLE PRESSURE | RELATED TEMPERATURE |
| 16 bar | 100 °C |
| 14,5 bar | 150 °C |
| 13,4 bar | 200 °C |
| 12,7 bar | 250 °C |

PMO – Maximum operating pressure: 14 bar.
TMO – Maximum operating temperature: 180 °C.
Minimum liquid specific weight: 0,75 kg/dm³.

| FLOW RATE CAPACITY (kg/h) | | | | | | | | | | | | | |
|---------------------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| SIZE | DIFFERENTIAL PRESSURE (bar) | | | | | | | | | | | | |
| | 0,5 | 1 | 1,5 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 10 | 12 | 14 |
| 1/2" and 3/4" | 120 | 145 | 180 | 190 | 230 | 250 | 300 | 330 | 340 | 360 | 380 | 400 | 430 |



| DIMENSIONS (mm) | | | | | | | | | |
|-----------------|----|-----|-----|----|------|------|------|----|-------------|
| SIZE | ØA | B | B1 | C | d | d1 | d2 | E | WEIGHT (kg) |
| 1/2" | 80 | 151 | 165 | 92 | 1/2" | 1/2" | 1/4" | 19 | 1,6 |
| 3/4" | 80 | 151 | 165 | 92 | 3/4" | 1/2" | 1/4" | 19 | 1,6 |



| MATERIALS | | |
|-----------|------------------------|--|
| POS. N° | DESIGNATION | MATERIAL |
| 1 | Body | A351 CF8M / 1.4408; AISI 316 / 1.4401 |
| 2 | Cover | A351 CF8M / 1.4408; AISI 316 / 1.4401 |
| 3 | * O-ring | ** NBR |
| 4 | * Seat | AISI 316 / 1.4401 |
| 5 | * Valve | ** Viton |
| 6 | * Lever mechanism | AISI 304 / 1.4301 |
| 7 | * Float | AISI 304 / 1.4301 |
| 8 | * Gasket a) | ** PTFE |
| 9 | Plug | AISI 316L / 1.4404 |
| 10 | Compression fitting b) | AISI 316 / 1.4401 |
| 11 | Hand purging knob b) | AISI 304 / 1.4301; Plastic |

* Available spare parts; ** Others on request.

a) Not applicable in NPT version.

b) Optional.