

## ADCA Ball float steam trap Type: 5131E Series: FLT steel maximum pressure difference 4,5 bar internal thread



ADCA float steam traps are universally applicable in all steam systems. The float mechanism guarantees a direct discharge of condensate at steam temperature. There is no stalling or subcooling in front of the steam trap, enabling a maximum heat transfer to take place in your heat exchanger. Due to the integrated bi-metal vent, the ADCA float steam traps will quickly discharge the air and other non-condensable gases during the start-up, which significantly reduces the start-up time. Due to the modulating action of the float, the ADCA float steam traps are insensitive to sudden changes in capacity or pressure. Another considerable advantage is that you can adjust the flow direction yourself; both from left to right and vice versa, as to vertical.



### Characteristics

**Series:** FLT

**Type:** 5131E

**Connection:** Internal thread

**Standard connection:** ISO 7/1 Rp

**Maximum pressure difference:** 4.5 bar

**PMA - maximum allowable pressure:** 37.1 bar

**TMA - maximum allowable temperature:** 300 °C

**PMO - maximum operating pressure:** 32 bar

**TMO - maximum operating temperature:** 250 °C

**Housing material:** Steel

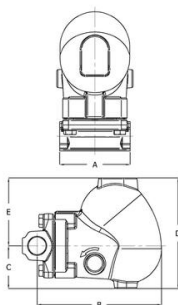
**Material bonnet:** Steel

**Seat material:** Stainless steel 303 (1.4305)

**With automatic de-aerator:** Yes

**With built-in filter:** No

**Approvals:** PED 2014/68/EU fluid group 2



### Application

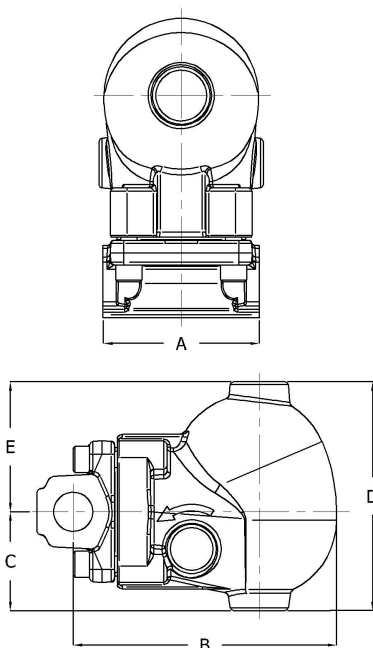
- Universally applicable for directly discharging of large quantities of condensate in among others: Heat exchangers.
- Air heaters.
- Counter current devices.

### Technical Information

- CE marking - Group 2 (PED - European Directive): Normal capacity version: Category SEP.
- High capacity version: Category 1 (CE marked).

### Options

- Steam Lock Release (SLR).
- Vent valve (HVV).
- Drain valve (BDV).
- Anti Freezing Unit (AFZ).
- Float lever (FLL).
- Vacuum breaker (VB21M).



Size table:

| DN        | Capacity | A<br>mm | B<br>mm | D<br>mm | C<br>mm | E<br>mm | Weight<br>kg/s |
|-----------|----------|---------|---------|---------|---------|---------|----------------|
| 1/2" [15] | SC       | 95      | 160     | 139     | 60      | 79      | 4.9            |
| 1" [25]   | HC       | 120     | 212     | 189     | 73      | 116     | 8.9            |
| 1" [25]   | SC       | 95      | 160     | 139     | 60      | 79      | 4.9            |
| 3/4" [20] | SC       | 95      | 160     | 139     | 60      | 79      | 4.9            |

| Capacity table in kg/h |           |                           |       |         |       |         |
|------------------------|-----------|---------------------------|-------|---------|-------|---------|
| Capacity               | Size      | Pressure difference (bar) |       |         |       |         |
|                        |           | 0.5 bar                   | 1 bar | 1.5 bar | 2 bar | 4.5 bar |
| SC                     | 1/2" - 1" | 305                       | 395   | 455     | 500   | 680     |
| HC                     | 1"        | 900                       | 1250  | 1490    | 1630  | 2490    |

| Connection size | Nominal inner diameter | Pressure rating | Capacity type | Material quality body | Material quality     | Mounting direction | Flow direction | PED classification | Article  |
|-----------------|------------------------|-----------------|---------------|-----------------------|----------------------|--------------------|----------------|--------------------|----------|
| 1/2" BSP        | DN15                   | PN40            | SC            | 1.0460                | ASTM A216 WCB/1.0619 | Horizontal         | right → left   | PED-SEP            | 14257584 |
| 1" BSP          | DN25                   | PN40            | HC            | 1.0460                | ASTM A216 WCB/1.0619 | Horizontal         | right → left   | PED cat. I         | 14257587 |
| 1" BSP          | DN25                   | PN40            | SC            | 1.0460                | ASTM A216 WCB/1.0619 | Horizontal         | right → left   | PED-SEP            | 14257586 |
| 3/4" BSP        | DN20                   | PN40            | SC            | 1.0460                | ASTM A216 WCB/1.0619 | Horizontal         | right → left   | PED-SEP            | 14257585 |

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