

FLOAT & THERMOSTATIC STEAM TRAPS UFS32 (For use with universal pipeline connectors)

DESCRIPTION

The UFS32 series float and thermostatic (integral air vent) steam traps, completely in stainless steel, are maintenance free and sealed. They are specifically designed to work with low and medium pressure steam and all types of heating and process equipment. Typical applications include unit heaters, heat exchangers, driers, jacketed vessels and all the applications where continuous drainage is essential. These traps fit the UCX universal connectors and CTS4U compact stations.



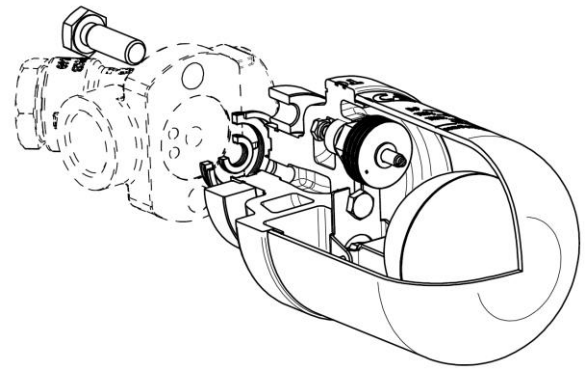
MAIN FEATURES

- Sealed, non-maintainable.
- Modulating discharge.
- Discharges condensate at steam temperature.
- Unaffected by sudden or wide load and pressure changes.
- Excellent air discharge (by thermostatic air vent).

USE: Saturated and superheated steam.
 AVAILABLE MODELS: UFS32 – 4,5 to UFS32 – 32.

SIZES: According to the selected pipeline connector.

INSTALLATION: Always in a horizontal plane with the “O” of the TOP inscription perfectly aligned with the vertical axis.



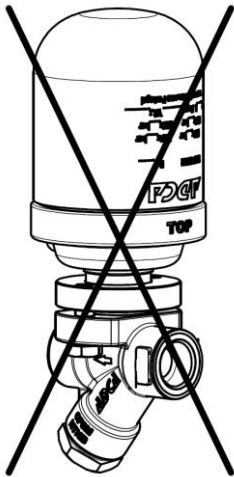
| BODY LIMITING CONDITIONS | |
|-----------------------------------|---------------|
| FLANGED ANSI 300 lb ALLOW. PRESS. | RELATED TEMP. |
| 47,8 bar | -10 / 50 °C |
| 40,9 bar | 100 °C |
| 34,4 bar | 200 °C |
| 30,6 bar | 300 °C |
| 28,6 bar | 400 °C |

MAX. DIFFERENTIAL PRESSURE:

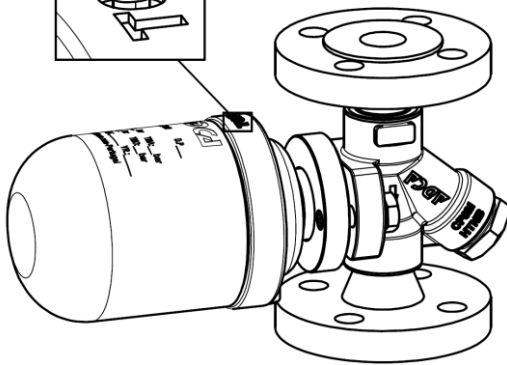
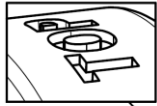
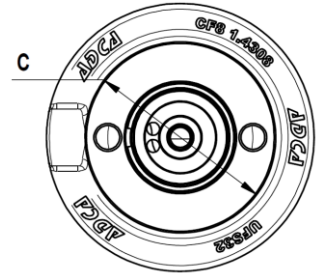
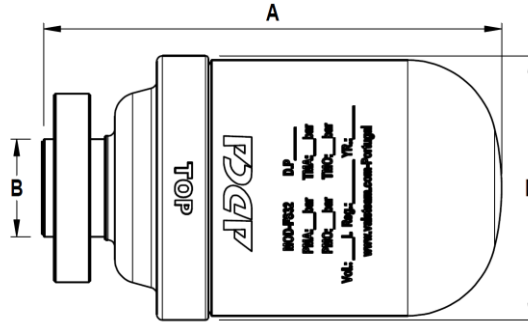
| | |
|--------------|---------|
| UFS32 – 4,5: | 4,5 bar |
| UFS32 – 10: | 10 bar |
| UFS32 – 14: | 14 bar |
| UFS32 – 21: | 21 bar |
| UFS32 – 32: | 32 bar |

PMO – Max. operating pressure 32 bar;
 TMO – Max. operating temperature 245 °C;
 The connector may restrict the operating conditions to a lower rating.

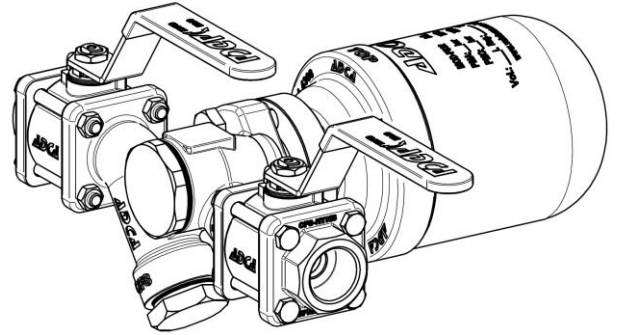
| FLOW RATE CAPACITY (kg/h) | | | | | | | | | | | | | | | | |
|---------------------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| MODEL | DIFFERENTIAL PRESSURE (bar) | | | | | | | | | | | | | | | |
| | 0,5 | 1 | 1,5 | 2 | 3 | 4,5 | 6 | 7 | 8 | 9 | 10 | 12 | 14 | 16 | 21 | 32 |
| UFS32 – 4,5 | 230 | 330 | 400 | 440 | 535 | 630 | – | – | – | – | – | – | – | – | – | – |
| UFS32 – 10 | 150 | 200 | 250 | 280 | 340 | 400 | 460 | 495 | 520 | 550 | 595 | – | – | – | – | – |
| UFS32 – 14 | 120 | 150 | 190 | 220 | 260 | 320 | 380 | 400 | 425 | 440 | 480 | 510 | 550 | – | – | – |
| UFS32 – 21 | 60 | 80 | 90 | 115 | 135 | 160 | 190 | 200 | 220 | 230 | 240 | 260 | 270 | 290 | 300 | – |
| UFS32 – 32 | 36 | 50 | 62 | 75 | 90 | 105 | 120 | 140 | 150 | 155 | 160 | 170 | 190 | 200 | 230 | 280 |



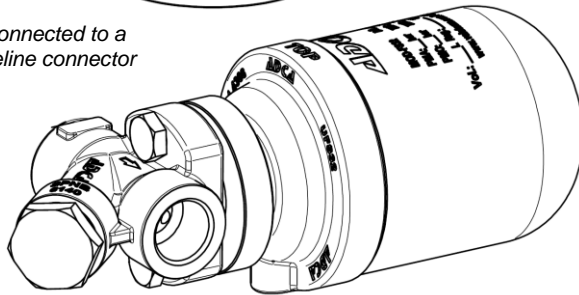
| DIMENSIONS (mm) | | | | | |
|-----------------|-----|----|----|----|-----------|
| MODEL | A | B | ØC | ØD | WGT. (kg) |
| UFS32 | 164 | 35 | 67 | 94 | 2,1 |



UFS steam trap connected to a UCX universal pipeline connector



UFS steam trap connected to a CTS4U compact station



| MATERIALS | | |
|-----------|-----------------|----------------------------|
| POS. N° | DESIGNATION | MATERIAL |
| 1 | Body | CF8 / 1.4308 |
| 2 | Cover | AISI 304 / 1.4301 |
| 3 | Valve seat | AISI 410 / 1.4006 |
| 4 | Valve | AISI 440C / 1.4125 |
| 5 | Air vent | Bimetallic |
| 6 | Float | AISI 301 / 1.4301 |
| 7 | * Inlet gasket | Stainless steel / Graphite |
| 8 | * Outlet gasket | Stainless steel / Graphite |
| 9 | Flange | AISI 316 / 1.4401 |
| 10 | Retainer ring | Steel |
| 11 | Bolts | ASTM A193 Gr. B7 |

* Available spare parts.

