



FLOAT AND 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.

Two-bolt swivel connector.

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 , 10, 14, 21 and 32 – stainless steel.

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.

See IMI - Installation and maintenance

instructions.

ΔPMX: UFS32-4,5 – 4,5 bar

UFS32-10 — 10 bar UFS32-14 — 14 bar UFS32-21 — 21 bar UFS32-32 — 32 bar



BODY LIMITING CONDITIONS *

| CLASS 300 | RELATED | | |
|--------------------|-------------|--|--|
| ALLOWABLE PRESSURE | TEMPERATURE | | |
| 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 | | |

PMO – Maximum operating pressure: 32 bar.

TMO - Maximum operating temperature: 245 °C.

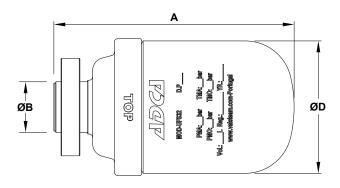
* According to EN 1759-1:2004.

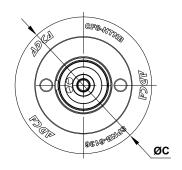
Remark: The pipeline connector may restrict the operating conditions to a lower rating.

| FLOW RATE CAPACITY (kg/h) | | | | | | | | | | | | | | | | |
|---------------------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| MODEL | DIFFERENTIAL PRESSURE (bar) | | | | | | | | | | | | | | | |
| MODEL | 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 |



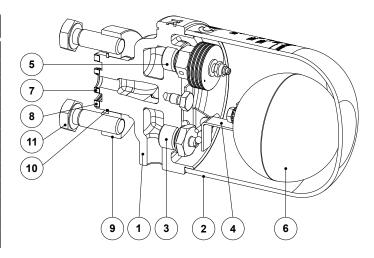




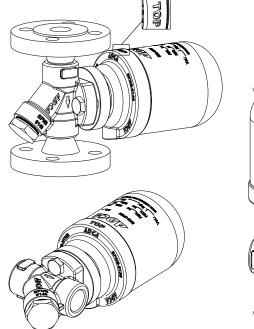


| DIMENSIONS (mm) | | | | | | |
|-----------------|-----|----|----|----|-------------|--|
| MODEL | Α | ØB | ØC | ØD | WEIGHT (kg) | |
| UFS32 | 164 | 35 | 67 | 94 | 2,1 | |

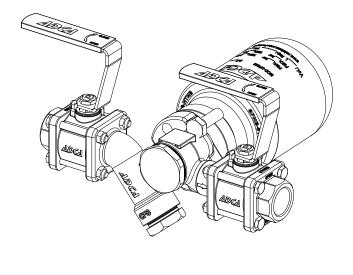
| MATERIALS | | | | | | | |
|-----------|-----------------|----------------------------|--|--|--|--|--|
| POS. Nº | DESCRIPTION | MATERIAL | | | | | |
| 1 | Body | A351 CF8 / 1.4308 | | | | | |
| 2 | Cover | AISI 304 / 1.4301 | | | | | |
| 3 | Valve seat | Hardened stainless steel | | | | | |
| 4 | Valve | Hardened stainless steel | | | | | |
| 5 | Air vent | Stainless steel; Bimetal | | | | | |
| 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 | Bolt | ASTM A193 Gr. B7 | | | | | |



^{*} Available spare parts.







UFS32 steam trap connected to a UCX41 universal pipeline connector

UFS32 steam trap connected to a CTS4U universal compact trapping station