

## BALANCED PRESSURE THERMOSTATIC STEAM TRAPS TSS7

## DESCRIPTION

LRQ/A CERTIFIED

ISO 9001

The ADCAPure TSS7 all stainless steel thermostatic steam traps and air vents are specifically designed for use in hygienic applications such as reactors, CIP/SIP, autoclaves, sterilizers and distribution lines in clean and pure steam systems.

Their small size makes them ideal for use with a wide variety of equipment.

MAIN FEATURES

Modulating discharge. Excellent air discharge. Simple and compact design.

STANDARD SURFACE FINISH

Internal wetted parts:  $\leq 0,51 \ \mu m \ Ra - SF1$ . External:  $\leq 0,76 \ \mu m \ Ra - SF3$ . Other surface conditions see TIS.GIA – General information ADCAPure. Ultrasonic cleaning.

OPTIONS: Special designs on request.

USE: Saturated clean steam.

AVAILABLE MODELS:

SIZES: 1/2" to 1".

- CONNECTIONS: Clamp ferrules ASME BPE. Others on request.
- PACKAGING: Assembling and packaging in a clean room certified according to ISO 14644-1. The product is end capped and sealed with recyclable thermo-shrinkable plastic film, to avoid contamination.

TSS7 - clean steam trap.

INSTALLATION: Vertical installation. See IMI – Installation and maintenance instructions.

| CE MARKING – GROUP 2<br>(PED – European Directive) |          |  |  |  |
|----------------------------------------------------|----------|--|--|--|
| PN 10                                              | Category |  |  |  |
| 1/2" to 1"                                         | SEP      |  |  |  |

| LIMITING CONDITIONS *         |        |  |  |  |  |
|-------------------------------|--------|--|--|--|--|
| Maximum allowable pressure    | 10 bar |  |  |  |  |
| Maximum allowable temperature | 177 °C |  |  |  |  |
| Maximum operating pressure    | 6 bar  |  |  |  |  |
| Maximum operating temperature | 165 °C |  |  |  |  |

\* Other limits on request. Maximum operating conditions may be limited by the steam trap end connections due to normative restrictions.

## VALSTEAM ADCA

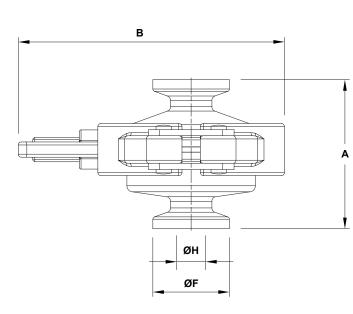
We reserve the right to change the design and material of this product without notice.

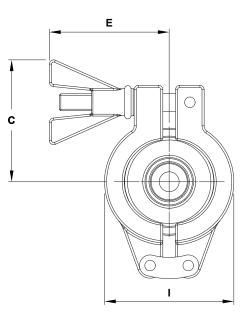




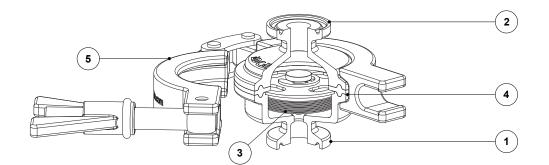
| FLOW RATE CAPACITY (kg/h) |            |                             |     |     |     |     |     |     |      |      |
|---------------------------|------------|-----------------------------|-----|-----|-----|-----|-----|-----|------|------|
| MODEL                     | 0175       | DIFFERENTIAL PRESSURE (bar) |     |     |     |     |     |     |      |      |
| MODEL                     | SIZE       | 0,2                         | 0,3 | 0,5 | 1   | 1,5 | 2   | 3   | 4    | 6    |
| TSS7 (A)                  | 1/2" to 1" | 73                          | 92  | 177 | 269 | 334 | 468 | 730 | 792  | 900  |
| TSS7 (B)                  | 1/2" to 1" | 398                         | 475 | 574 | 656 | 745 | 820 | 944 | 1190 | 1436 |

A – Condensate discharge at 5 °C below saturation temperature. B – Cold water capacity around 20 °C.





| DIMENSIONS – ASME BPE (mm) |    |    |      |      |      |      |    |             |
|----------------------------|----|----|------|------|------|------|----|-------------|
| SIZE                       | Α  | В  | С    | E    | ØF   | ØH   | I  | WEIGHT (kg) |
| 1/2"                       | 49 | 87 | 57,5 | 56,5 | 25   | 9,4  | 61 | 0,6         |
| 3/4"                       | 49 | 87 | 57,5 | 56,5 | 25   | 15,8 | 61 | 0,6         |
| 1"                         | 53 | 87 | 57,5 | 56,5 | 50,4 | 22,1 | 61 | 0,7         |



| MATERIALS |              |                                  |  |  |  |
|-----------|--------------|----------------------------------|--|--|--|
| POS. Nº   | DESIGNATION  | MATERIAL                         |  |  |  |
| 1         | Body         | AISI 316L / 1.4404               |  |  |  |
| 2         | Cover        | AISI 316L / 1.4404               |  |  |  |
| 3         | * Thermostat | AISI 316L / 1.4404               |  |  |  |
| 4         | * Gasket     | ** Glass microsphere filled PTFE |  |  |  |
| 5         | Safety clamp | AISI 316 / 1.4401                |  |  |  |

\* Available spare parts. \*\* Others on request. Remark: FDA / USP Class VI seals certificate on request.

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