

## 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 (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

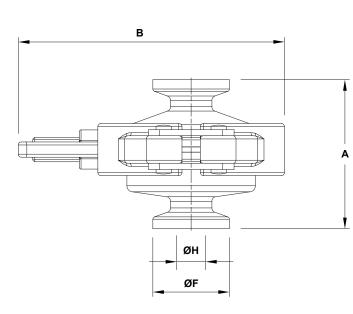
We reserve the right to change the design and material of this product without notice.

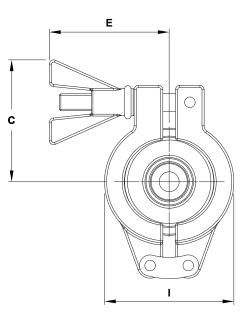




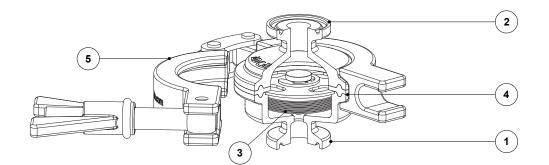
FLOW RATE CAPACITY (kg/h)										
MODEL	0175	DIFFERENTIAL PRESSURE (bar)								
MODEL	SIZE	0,2	0,3	0,5	1	1,5	2	3	4	6
TSS7 (A)	1/2" to 1"	73	92	177	269	334	468	730	792	900
TSS7 (B)	1/2" to 1"	398	475	574	656	745	820	944	1190	1436

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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