

THERMOSTATIC STEAM TRAPS AND AIR ELIMINATORS

TH 21SS (Stainless steel)

(DN ½" – 1" DN 15 - 25)

DESCRIPTION

The TH 21SS series thermostatic steam traps and air eliminators are specifically designed for use on process equipment such as kettle cookers, sterilizers, food, chemical and laundry equipment.

Connections are female screwed or flanged.

MAIN FEATURES

Modulating discharge.

Discharges condensate close to steam temperature.

Thermostats for different sub cooling (5°K to 30°K).

Excellent air discharge .

Operates on moderate superheated steam.

Built-in strainer.

OPTIONS: LC-low capacity

USE: Saturated steam.

AVAILABLE

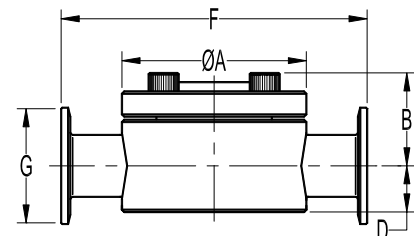
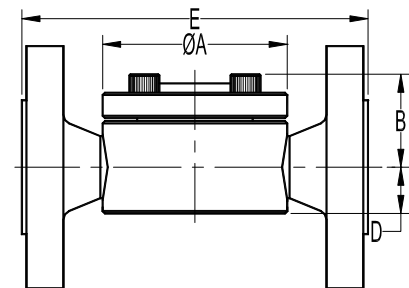
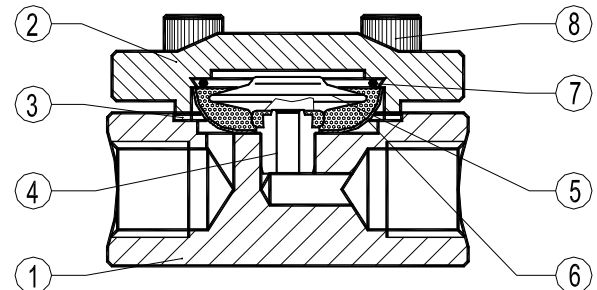
MODELS: TH21SS ,TH21SSLC

SIZES: DN ½" to DN 1" ; DN15 to DN25

CONNECTIONS: Female screwed ISO 7/1 Rp (BS21)

Flanged EN 1092-1 PN40 or ANSI

INSTALLATION: Horizontal installation recommended, can be installed in any position.



PMA – Max. allowable pressure 21 bar

TMA – Max. allowable temperature 300 °C

PMO – Max. operating pressure 21 bar

TMO –Max. operating temperature 250 °C

How to order: i.e. TH21SS DN ½" BSP

MATERIALS

POS.N r.	DESIGNATION	MATERIAL
1	Body	AISI316 / 1.4401
2	Cover	AISI316 / 1.4401
3	* Gasket	St.St./Graphite
4	* Valve seat	AISI304 / 1.4301
5	* Thermostatic element	Stainless steel
6	* Strainer screen	AISI304 / 1.4301
7	* Spring	AISI302 / 1.4300
8	Bolts	St.Steel A2-70

* Available spare parts

SIZE DN	DIMENSIONS (mm)-Screwed				EN 1092-1 Flanges	
	A	B	D	WGT. Kgs	E	WGT. Kgs
15	80	35	17	1,8	150	3,3
20	80	37	20	1,9	150	4,1
25	80	40	23	2,1	160	5,1

FLOW RATE CAPACITY IN Kgs/h

MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)														
		0,2	0,3	0,5	1	1,5	2	3	4	6	8	10	13	15	20	21
TH21SS	15 - 25	70	120	140	255	330	385	455	510	600	670	700	720	750	775	795
TH21SSLC	15 - 25	45	55	70	95	125	135	180	200	270	315	330	360	370	405	415

Capacities shown refer to condensate at 10°C below saturated steam temperature (standard type-S thermostat) .

Thermostats for 5° C type-H and 30° type-L, also available.

Capacities for cold condensate discharge at 20°C are two to three times greater.