

THERMOSTATIC STEAM TRAPS AND AIR ELIMINATORS

TH 35 / 4 (DN 40 – DN 50)

DESCRIPTION

The TH 35/4 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 flanged.

MAIN FEATURES

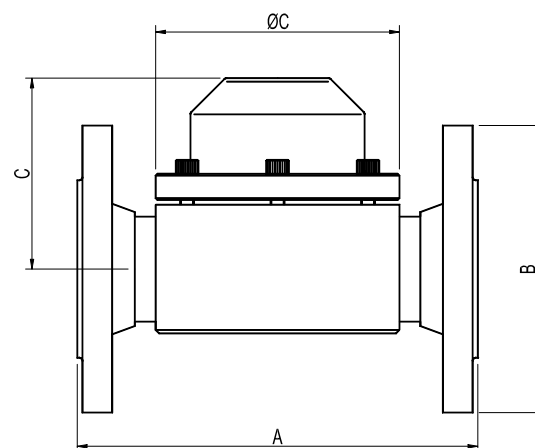
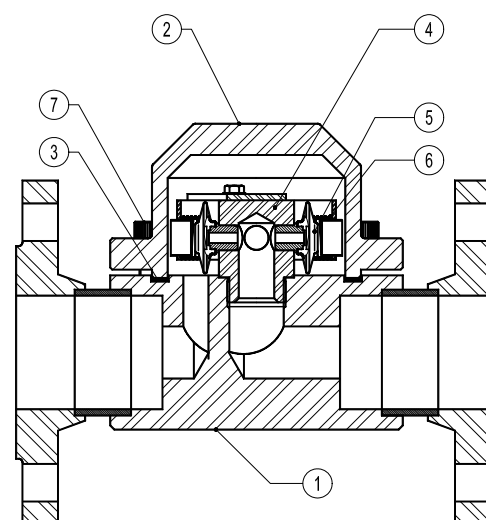
Modulating discharge.
Discharges condensate close to steam temperature.
Thermostats for different sub cooling (5°K to 30°K).
Excellent air discharge .
Operates on moderate superheated steam.
Built-in strainer.

OPTIONS: Stainless steel construction
USE: Saturated steam.
AVAILABLE MODELS: TH35/4– 4 capsules
SIZES: DN 40 - DN 50
CONNECTIONS: Flanged EN 1092-1 PN40 or ANSI
INSTALLATION: Horizontal installation recommended, can be installed in any position. See IMI installation and maintenance instructions.

PMA – Max.allowable pressure 32 bar
TMA – Max.allowable temperature 300 °C
PMO – Max.operating pressure 22 bar
TMO –Max. operating temperature 250 °C
How to order: i.e. TH35-4 DN 40

CE MARKING (PED - European Directive 97/23/EC)	
PN 40	Category
DN 40-50	1 (CE Marked)

DIMENSIONS (mm)					
SIZE DN	A	B	C	ØC	WGT. Kgs
40	230	150	101	140	11
50	230	165	108	140	12,5



MATERIALS		
POS. Nr.	DESIGNATION	MATERIAL
1	Body	S355J2G3 / 1.0570 ; P250GH / 1.0460
2	Cover	S355J2G3 / 1.0570
3	* Gasket	St.St./Graphite
4	* Valve seat	AISI304 / 1.4301
5	* Thermostats	Stainless steel
6	* Springs	AISI302 / 1.4300
7	Bolts	Steel 8.8

* Available spare parts

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	22
TH35/4	40 - 50	280	480	560	1020	1320	1540	1820	2040	2400	2680	2800	2880	3000	3100	3180

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.