

# THERMOSTATIC STEAM TRAP TYPE TKK 2Y

## MAIN CHARACTERISTICS

The TKK 2Y is a steam trap with thermostatic capsule intended for the drain of the steam installations. Made in carbon steel, the TKK 2Y steam trap exists in screwed connections and in flanges connection PN40. The capsule in Hastelloy is the object of an international patents of the manufacturer. This steam trap is insensible to back pressure. It Allows to regulate a continuous drain and eliminates automatically the air in the starting up. The temperature of discharge of the condensat may be selected among the standard capsule 10 ° C or the capsules of sub-cooling 5 ° C and 20 ° C. It is provided with a Y strainer protection and a lid non-return valve. Horizontal mounting.



## AVAILABLE MODELS

BSP screwed end connections : G 1/2" - G 3/4" - G 1".

Connecting with flange PN 40 : DN 15 - DN 20 - DN 25.

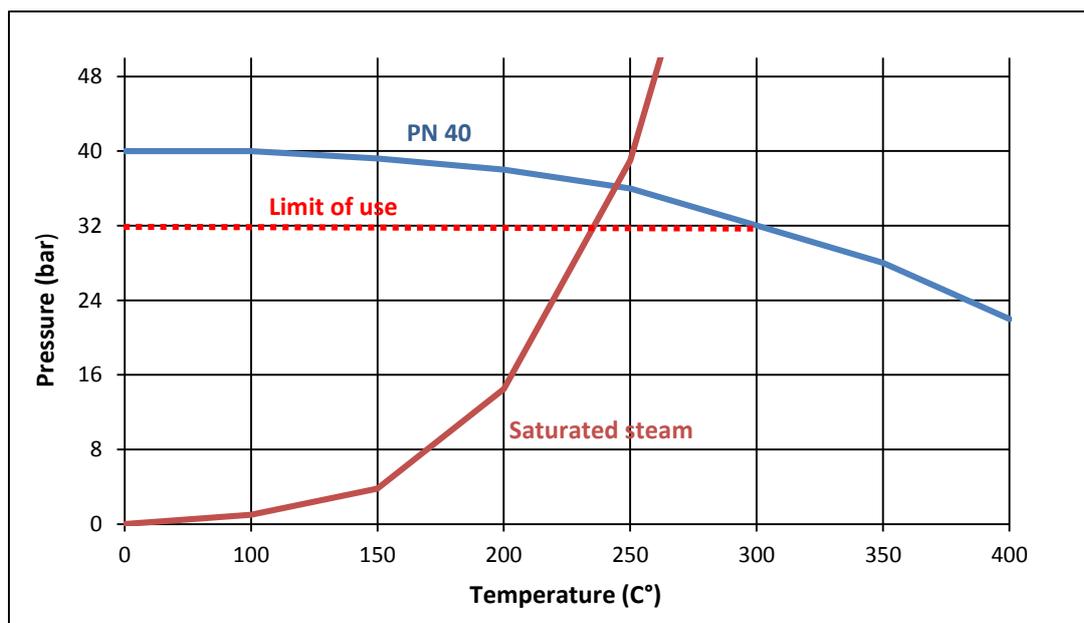
With Y strainer.

ΔP 22 bar.



## LIMITS OF USE

Body calculation pressure	40 bar
Max allowed fluid pressure : PS	32 bar
Max allowed fluids temperature : TS	+0 °C / +250 °C
Use on saturated steam	35 bar / +240° C



Modifications reserved

# THERMOSTATIC STEAM TRAP TYPE TTK 2Y

## REGULATIONS AND STANDARDS OF CONSTRUCTION

Item	Standard	Item	Standard
Pressure equipment directive 97/23	<u>1/2" - 3/4" - 1"</u> : A3 § 3 excluded	BSP thread	ISO 228
	<u>DN 15 à 25</u> : A3 § 3 excluded	Flanges	EN 1092-2
Steel materials	EN 1503-1	Face to face dimension	EN 26554

## DIMENSIONS (mm) AND WEIGHT (kg)

DN	L (Flanges)	b	ØD	Øg	Øi	Øk	Drillings Nbr.	H	H1	H2	Weight (Kg) (Flanges)	Weight (Kg) (thread)
								(thread)				
15	150	16	95	45	14	65	4	45	97	40	3,7	2,2
20	150	18	105	58	14	75	4	45	97	40	4,3	2,1
25	160	18	115	68	14	85	4	45	97	40	4,8	2,1

## CONSTRUCTION

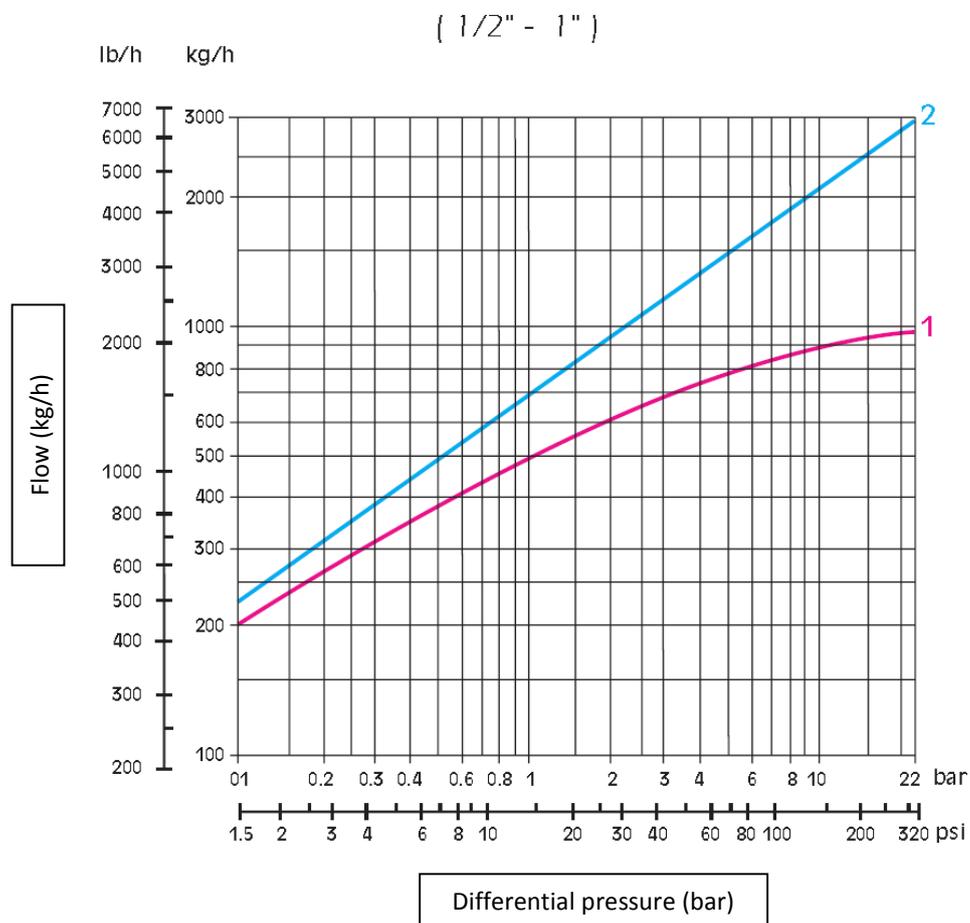


# THERMOSTATIC STEAM TRAP TYPE TTK 2Y

## SPARE PART

Item	Code
Strainer (rep3)	981280
Plug's gasket (rep3)	981281
Body's gasket (rep2)	981282
Seat (rep5)	981500
Thermostatic capsule (rep4)	981290

## FLOWRATE DIAGRAM (kg /h)



Modifications reserved

# THERMOSTATIC STEAM TRAP TYPE TTK 2Y

## INSTALLATION

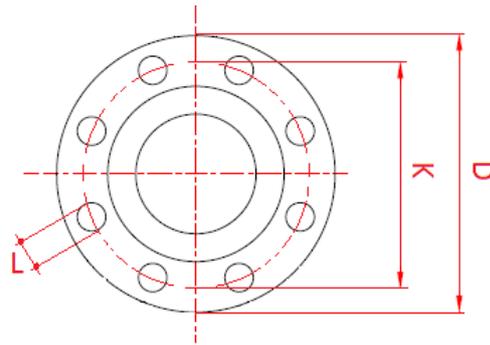
The steam trap has to be horizontally installed with the Y strainer plug directed towards the bottom.

## MOUNTING

- 1 - Before any installation, shut the arrival steam upstream.
- 2 - Depressurize and drain the pipe. Wait for its cooling at room temperature.
- 3 - Screw the steam trap on the piping by using an adapted sealant.
- 4 - Install preferentially the TTK 2Y with the cover in the horizontal plan.
- 5 - For the flanged type, use flange's gaskets adapted to steam service.

For the bolting of flanges, use following dimensions :

Flanges PN 40 Dimensions					
DN	D	K	L	Qty	∅
15	95	65	14	4	M12
20	105	75	14	4	M12
25	115	85	14	4	M12



## MAINTENANCE

It is not necessary to remove the steam trap from the pipe to proceed to its maintenance.

- 1 - Close the isolating valve of insulation upstream to the steam trap.
- 2 - Drain away the pipe downstream.
- 3 - Make sure of the absence of pressure and of temperature.
- 4 - Unscrew the drain plug, remove the strainer's screen (Item 3) from the filter, proceed to its cleaning or replace the strainer's screen following his state. Replace the strainer's screen (Item 3) and re-screw the drain plug by replacing the gasket.
- 5 - Unscrew the cover (Item 2) and verify the state of the capsule (Item 4) in particular the presence of stripes, marking or deformation. Verify the state of the seat (Item 5). Replace the capsule (Item 4) and lap if necessary the seat. Replace the capsule (Item 4) and re-screw the cover (Item 2) the by replacing the gasket.