



DOUGLAS ITALIA S.P.A.

**BALANCED PRESSURE
THERMOSTATIC STEAM TRAPS
TX A 105**

BALANCED PRESSURE

The operating principle is based on the expansion and contraction of a temperature sensitive capsule. The elements are filled with a liquid whose saturation temperature is lower than that of water, at the same pressure. With subcooled condensate the elements contract. When steam is formed the pressure inside the element causes expansion to close the valve. .

MAIN FEATURES

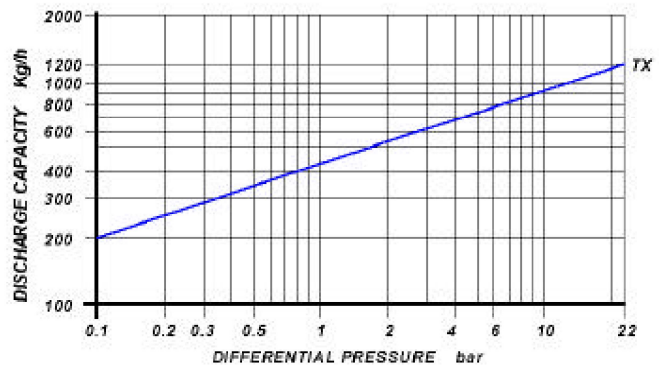
Free air discharge. It withstands frost. Discharge of condensate slightly below steam temperature. It does not withstand waterhammer



APPLICATIONS

- Steam mains
- Presses
- Tanks
- Suction heaters
- Ovens

DISCHARGE CAPACITY



Cold water capacities are 2 to 4 times greater than the above .
Safety factor = 1.2 – 1.5

SIZES

1/2" – 3/4"

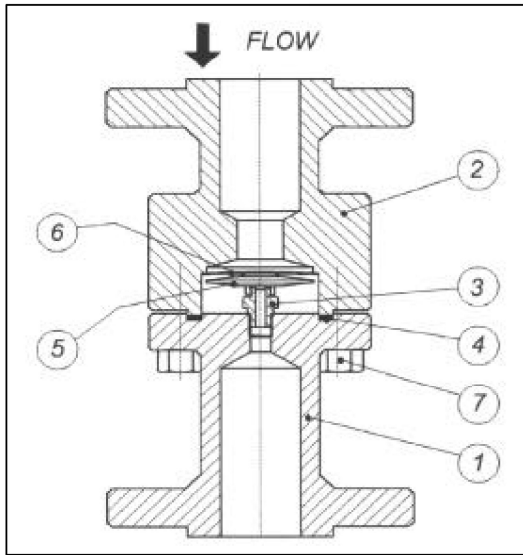
CONNECTIONS

Flanged ANSI 600 (ANSI B 16.5)

LIMITING CONDITIONS (according to ISO 6552)

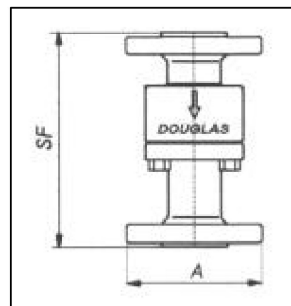
Steam Trap rating	ANSI 300
Nominal pressure	40 bar
Max. operating condition	32 bar - 250°C
	22 bar - 385°C
Max. differential pressure	14.5 bar - 390°C
	22 bar

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POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A 105	
2	Cover	ASTM A 105	
3	Seat	AISI 304	X
4	Gasket	316 / GRAPHITE	X
5	Capsule	AISI 304	X
6	Screen	AISI 304	X
7	Bolt	8.8 (UNI 3740 – 74)	

Size (inches)	Flanged 600#		
	A	SF	Kg
1/2"	96	165	4
3/4"	96	165	5



INSTALLATION

The steam trap can be installed on horizontal or vertical lines. For installation with superheated steam, please contact our Technical Department

HOW TO SERVICE

By installing a new element assembly you can bring the TX A 105 steam trap to the "as new from factory" condition. Unscrew the bolts (7) and remove cover (2) and gasket (4). Unscrew and remove the element (5). Clean the inside of the trap, clean screen (6) and screw in the element-gasket assembly. Fit a new gasket (4), and fit screen (6), and reinstall cover (2) tightening the bolts (7).

How to order: i.e. TX 1/2" 600 RF A 105

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OFFICIAL WEB SITE: www.douglas-italia.com