BIMETALLIC THERMOSTATIC

The operating principle is based on a balance between the steam force (pressure related) trying to open the discharge valve and the bimetal force (temperature related) which acts to close it. At saturated steam temperature the bimetal force keeps the valve closed, while with subcooled condensate the pressure opens the valve.
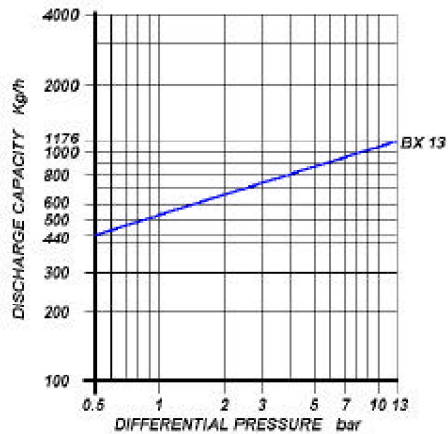
MAIN FEATURES

Free air discharge. Suitable on superheated steam. It withstands frost and waterhammer. Modulating discharge only with condensate.

APPLICATIONS

❑ *Tracing lines*
❑ *Marine applications*
❑ *Turbines*
❑ *Steam mains*
❑ *Tanks*

DISCHARGE CAPACITY

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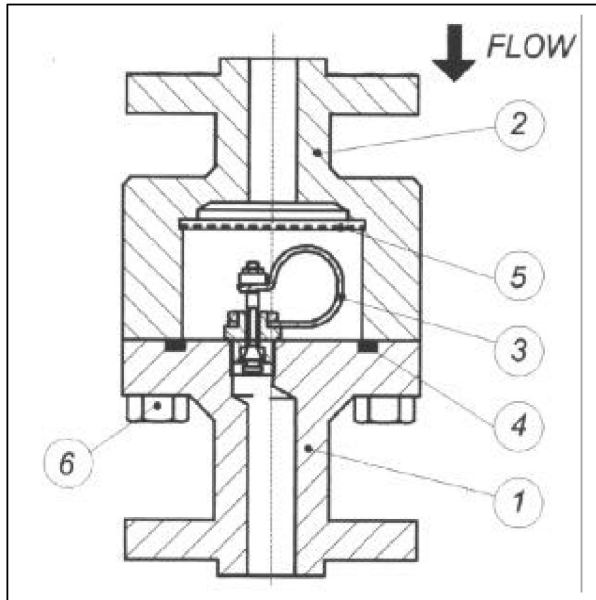*Safety factor = 1.2 – 1.5*

SIZES

½" – ¾"

CONNECTIONS

FLANGED	ANSI 150#/300#/600#/UNI/DIN

LIMITING CONDITIONS (according to ISO 6552)

Steam Trap rating	ANSI 300
PMA: Max allowable pressure	50 bar
TMA: max allowable temperature	390°C
PMO: max working pressure	13 bar
TMO: max working temperature	250°C

BIMETALLIC THERMOSTATIC STEAM TRAPS
BX 13 F 316

POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A182 F316	
2	Cover	ASTM A182 F316	
3	Valve assembly	STAINLESS STEEL	X
4	Gasket	316 / GRAPHITE	X
5	Screen	AISI 304	X
6	Bolt	ASTM A193 B8	X

		Flanged	
Size (inches)	A	SF	Kg
½"	96	200	5
¾"	118	206	6
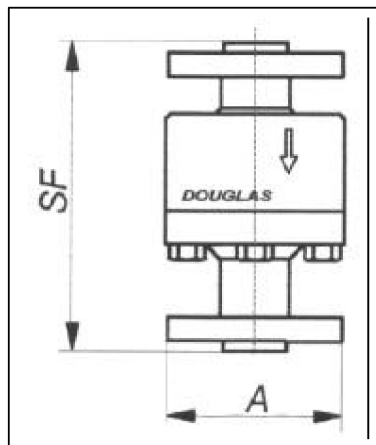
INSTALLATION
The steam trap can be installed on horizontal or vertical lines. For installation with superheated steam, please conctact our Technical Departement

HOW TO SERVICE
By installing a new element assemly you can bring the BX 13 F316 steam trap to the "as new from factory" condition. Unscrew the bolts (6) and remove cover (2) and gasket (4). Unscrew and remove the element (3). Clean the inside of the trap, clean screen (5) and screw in the element-gasket assembly. Fit a new gasket (3), fit screen (5) and reinstall cover (2) tightening the bolts (6).

How to order: i.e. BX 13 F316 ¾" 300 RF

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

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