



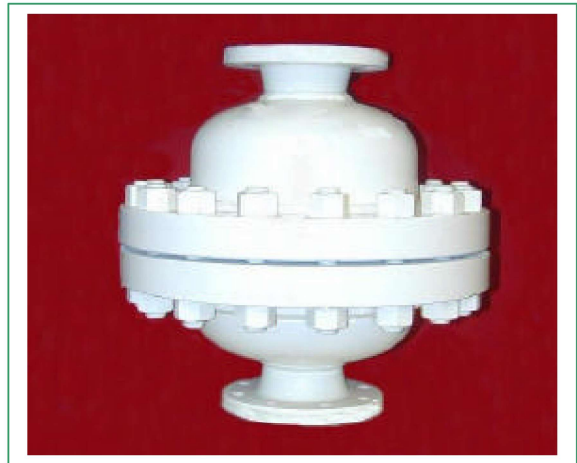
DOUGLAS ITALIA S.P.A.

BIMETALLIC THERMOSTATIC
STEAM TRAPS

MF 8

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.



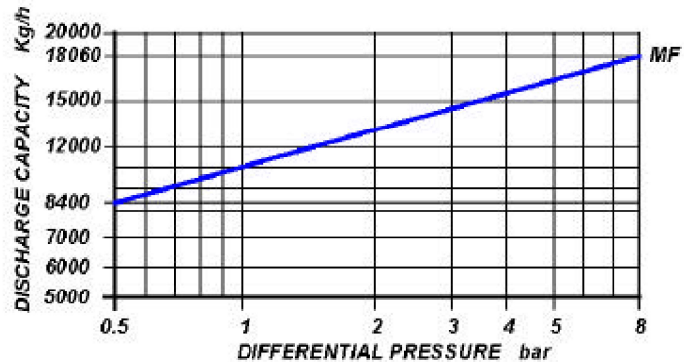
MAIN FEATURES

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

4"

CONNECTIONS

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

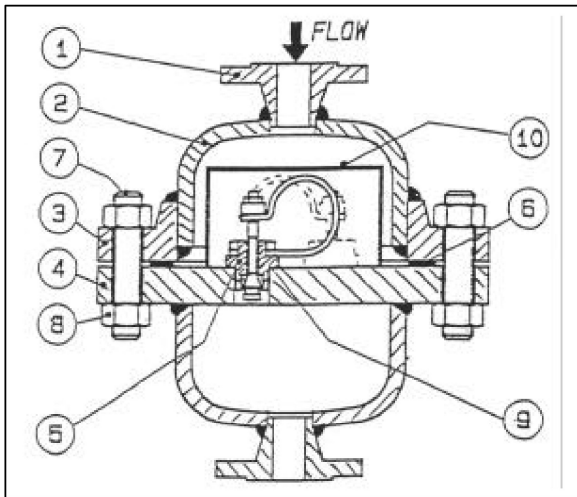
LIMITING CONDITIONS (according to ISO 6552)

Steam Trap rating	ANSI 300
PMA: Max allowable pressure	50 bar
TMA: max allowable temperature	390°C
PMO: max working pressure	8 bar
TMO: max working temperature	250°C

NB: MF model are available for differential pressure up to 40 bar, size up to 8" for high capacity. Please contact our technical department.

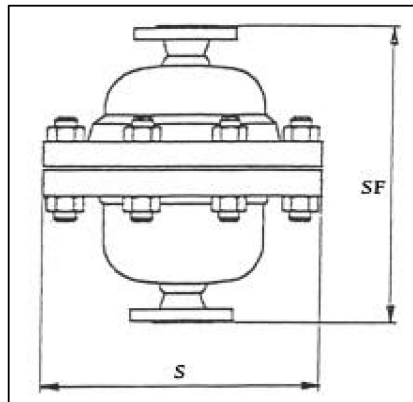
BIMETALLIC THERMOSTATIC STEAM TRAPS

MF 8



POS.	DESCRIPTION	MATERIALS	SPARES
1	Connections	ASTM A105	
2	Caps	ASTM A106 WPB	
3	Flange	ASTM A105	
4	Flange	ASTM A105	
5	Valve assembly N° 7	STAILESS STEEL	X
6	Gasket	316 / GRAPHITE	X
7	Bolts	ASTM A193 B7	
8	Nuts	ASTM A194 2H	
9	Gasket	S.S 304	X
10	Screen	AISI 304	X

Size (inches)	S	Weight (Kg)	Flanged							
			UNI-DIN PN16-25-40		150#		300#		600#	
			SF	Kg	SF	Kg	SF	Kg	SF	Kg
4"	521	162	515	176	515	176	515	186	515	200



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 MF 8 steam trap to the "as new from factory" condition. Unscrew the bolts (7) and remove cover (2), remove gasket (6) and screen (10). Unscrew and remove the element (5). Clean the inside of the trap and screw in the element-gasket assembly, clean screen (10). Fit a new gasket (6), fit screen (10) and reinstall cover (2) tightening the bolts (7). The discharge temperature may be adjusted without removing the trap from the line. For information about this operation, to be performed only by qualified personnel, please ask our Technical Department.

How to order: i.e. MF 8 4" 150 RF

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OFFICIAL WEB SITE: www.douglas-italia.com