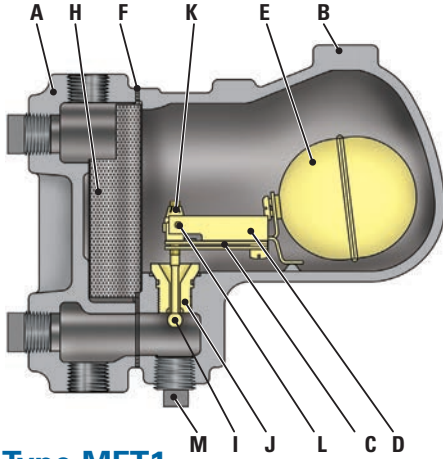


# VELAN MONOVALVE FLOAT BIMETALLIC STEAM TRAPS



Type MFT1

## STANDARD MATERIALS

PART	MATERIALS
A	Body Cast iron Gr.250
B	Cover Same as body material
C	Bimetal element Truflex GB-14
D	Bimetal holder Stainless steel
E	Float Stainless steel
F	Cover gasket Stainless steel with non-asbestos filler
G	Cover screw High tensile steel Gr. S
H	Strainer Stainless steel
I	Stem and ball Stainless steel, ball 58Rc
J	Seat SS hardfaced with CoCr alloy
K	Self lock adjusting nut Stainless steel
L	Pivot plug Stainless steel
M	Test plug 1/2" NPT Steel
N	Strainer plug 1/8" NPT Steel

NOTE: Part 'G' and 'N' are not shown for clarity

## APPLICATIONS

Boiler headers, steam mains, branch lines, unit heaters, shell and tube heat exchangers, jacketed kettles, rotating dryers, flash tanks, laundry ironers and steam separators.

## CONNECTIONS

- Screwed

## ENGINEERING DATA

PRESSURE RANGE (1) psig/barg	PMO psig/barg	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
0-15 0-1	15 1	Cast iron Gr.250	428 220	3/8 9.5	3,250 1,477
0-50 0-3.5	50 3.5			7/32 5.5	1,250 568
0-125 0-8.5	125 8.5				1,700 772

PMA = Maximum allowable pressure: 260psig@100°F (18bar@38°C)

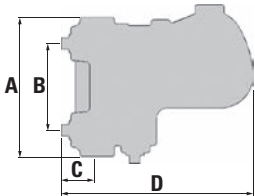
TMA = Maximum allowable temperature: 428°F (220°C)

Maximum cold hydrostatic test pressure: 400psig (27.5bar)

TMO = Maximum operating temperature = TMA

PMO = Maximum operating pressure: (see Engineering data table)

(1) Product will operate throughout entire pressure range, however selection closest to the Maximum operating pressure is recommended for maximum efficiency.

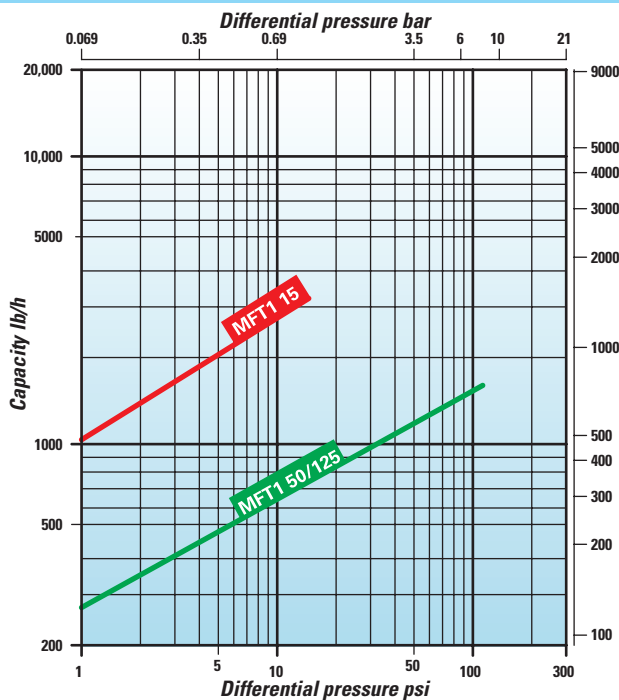


## DIMENSIONS AND WEIGHTS

SIZE NPS/DN			A(1) FACE TO FACE	B(2) CENTER TO CENTER	C(3) CENTER TO FACE	D LENGTH	WEIGHT lb/kg
1/2 15	3/4 20	1 25	6 5/8 168	3 15/16 100	1 3/8 35	8 5/16 211	12 5.5

(1) Vertical connection. (2) Horizontal connection. (3) Center of vertical outlet to face of horizontal outlet.

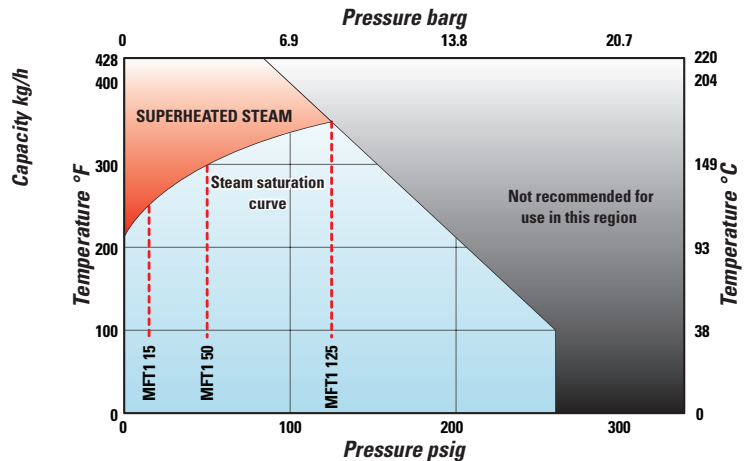
## CONDENSATE CAPACITY



Maximum cold water capacity x 3.5

The performance graph indicates the continuous discharge capacities of condensate per hour at various pressure differentials across the trap.

## PRESSURE / TEMPERATURE LIMITS



----- Pressure limit for trap type