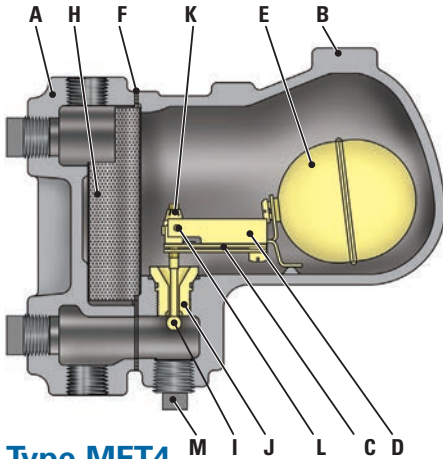


VELAN MONOVALVE FLOAT BIMETALLIC STEAM TRAPS



Type MFT4

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" NPT	Steel
N	Strainer plug 3/4" NPT	Steel

NOTE: Part 'G' & 'N' are not shown for clarity.

APPLICATIONS

Boiler headers, steam mains, branch lines, unit heaters, air handlers, process air heaters, steam absorption machine (chiller), shell and tube heat exchangers, jacketed kettles, rotating dryers, flash tanks 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	3/4 19	17,500 7,955
0-50 0-3.5	50 3.5			1/2 12.7	12,000 5,455
0-125 0-8.5	125 8.5			3/8 9.5	8,000 3,636
0-200 0-14	200 14			5/16 8	5,800 2,636

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

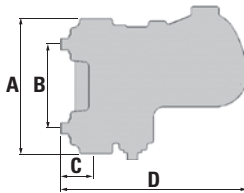
TMA = Maximum allowable temperature: 428°F (220°C)

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.

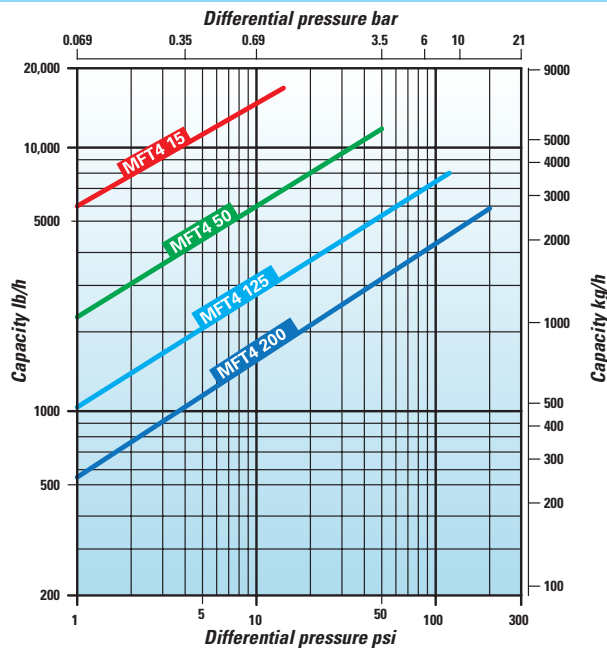


DIMENSIONS AND WEIGHTS

SIZE NPS/DN	A (1) FACE TO FACE	B(2) CENTER TO CENTER	C(3) CENTER TO FACE	D LENGTH	WEIGHT lb/kg
2	11	6 1/2	2 1/4	14 1/2	51
50	279	165	57	368	23

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

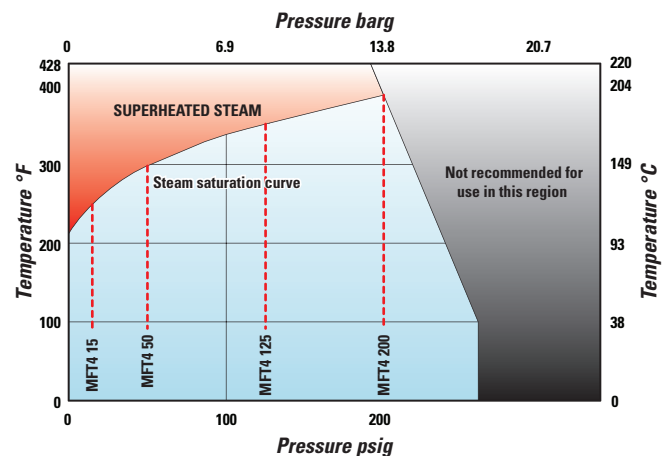
CONDENSATE CAPACITY



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