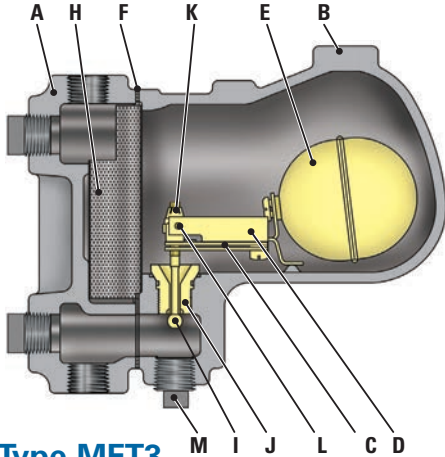


VELAN MONOVALVE FLOAT BIMETALLIC STEAM TRAPS



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

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

Type MFT3

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	5/8 16	12,000 5,455
0-50 0-3.5	50 3.5			7/16 11	8,000 3,636
0-125 0-8.5	125 8.5			5/16 8	4,500 2,045
0-200 0-14	200 14			1/4 6.4	3,200 1,455

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

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

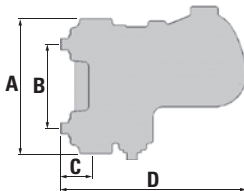
Maximum cold hydrostatic test pressure: 400psig (27.5bar)

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.

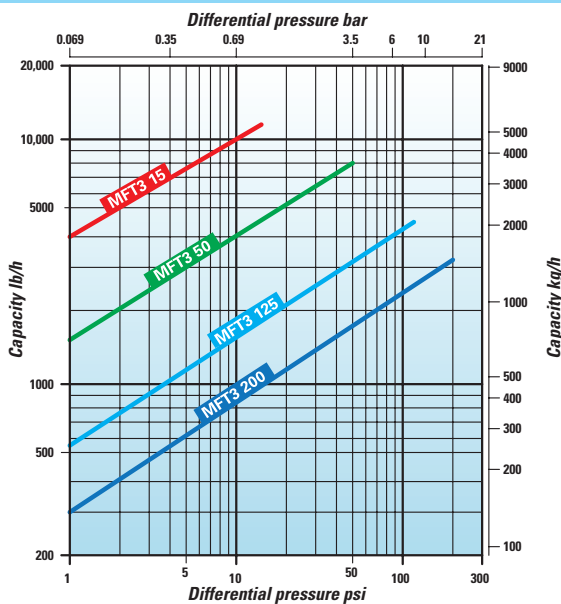
DIMENSIONS AND WEIGHTS



SIZE NPS/DN	A (1) FACE TO FACE	B(2) CENTER TO CENTER	C(3) CENTER TO FACE	D LENGTH	WEIGHT lb/kg
1 1/2 40	9 229	5 1/2 140	1 3/4 44	12 3/4 324	33 15
2 50	10 1/4 260	5 5/8 143	2 1/4 57	13 1/2 343	35 16

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

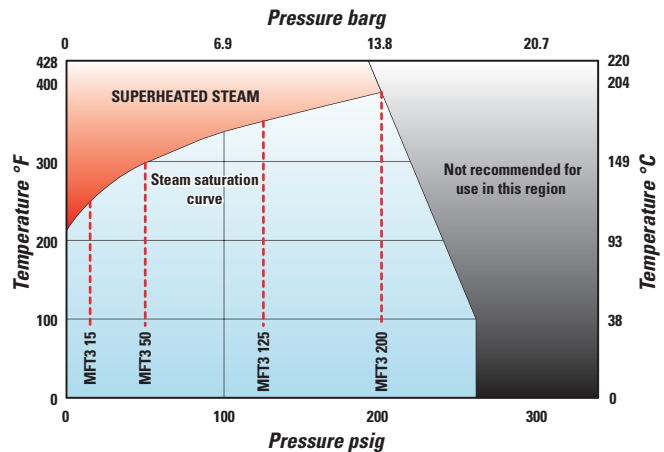
CONDENSATE CAPACITY



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