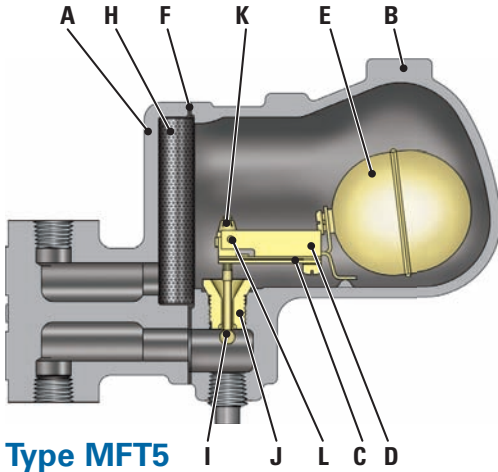


VELAN MONOVALVE FLOAT BIMETALLIC STEAM TRAPS



Type MFT5

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 Stellite 6
K	Self lock adjusting nut	Stainless steel
L	Pivot plug	Stainless steel

NOTE: Part 'G' is not shown for clarity

APPLICATIONS

Where positive drainage is essential and condensate back-up cannot be tolerated.

- Unit heaters,
- Laundry presses,
- Calorifiers,
- Ironers,
- Calenders,
- Drying cylinders and other applications where condensate has to be discharged at near steam temperature.

ENGINEERING DATA

PRESSURE RANGE psi/bar (1)	PMA psi/bar	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	3,300 1,477
15-50 1-3.5	50 3.5			7/32 5.5	1,250 568
50-125 3.5-8.5	125 8.5			7/32 5.5	1,700 772

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

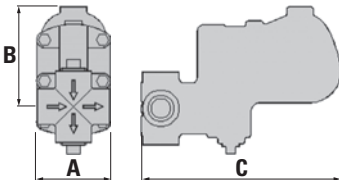
TMA = Maximum allowable temperature: 428°F (220°C)

Maximum cold hydrostatic test pressure: 400psi.g (27.5bar)

TMO = Maximum operating temperature = TMA

PMO = Maximum operating pressure: (See Table)

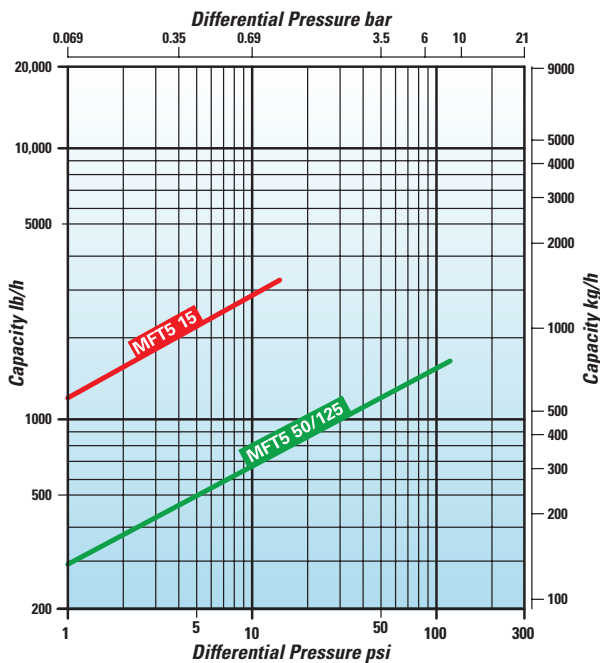
(1) Pressure range indicated in the above table is the preferred operating range, however the trap is functional from 0psi to its maximum operating pressure.



DIMENSIONS & WEIGHTS

SIZE in/mm			A FACE TO FACE SCR	B CENTER TO TOP	C LENGTH	WEIGHT lb/kg SCR
1/2 15	3/4 20	1 25	3 11/16 94	5 1/4 133	9 1/4 235	12 5.5

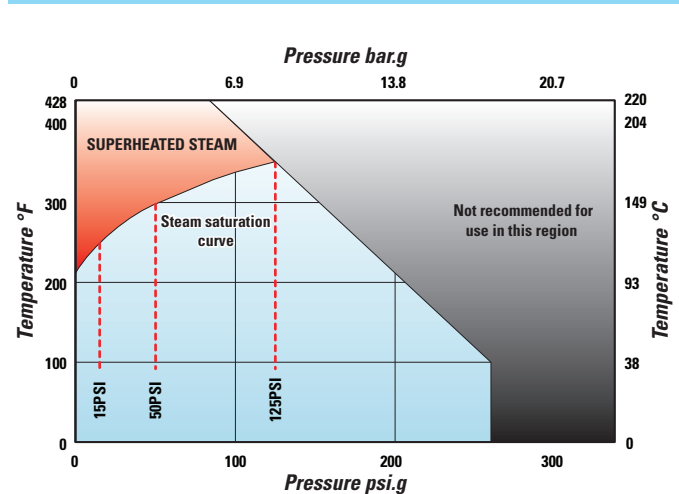
CONDENSATE CAPACITY



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