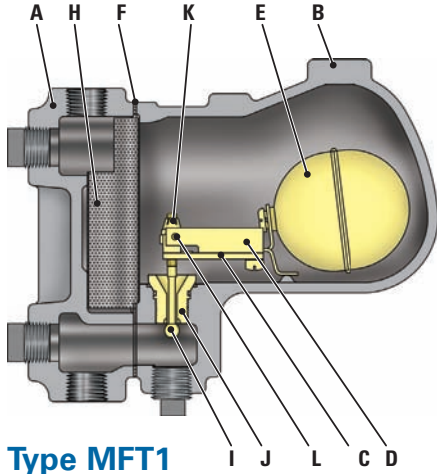


# VELAN MONOVALVE FLOAT BIMETALLIC STEAM TRAPS



## 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 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.

## CONNECTIONS

- Screwed

## Type MFT1

## ENGINEERING DATA

| PRESSURE RANGE (1)<br>psi/bar | PMO<br>psi / bar | MATERIAL            | MAX TEMP<br>°F/°C | ORIFICE<br>in/mm | MAX CAPACITY<br>lb/hr/kg/hr |
|-------------------------------|------------------|---------------------|-------------------|------------------|-----------------------------|
| 0-15<br>0-1                   | 15<br>1          | CAST IRON<br>Gr.250 | 428<br>220        | 3/8<br>9.5       | 3,250<br>1,477              |
| 15-50<br>1-3.5                | 50<br>3.5        |                     |                   | 7/32<br>5.5      | 1,250<br>568                |
| 50-125<br>3.5-8.5             | 125<br>8.5       |                     |                   |                  | 1,700<br>772                |

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

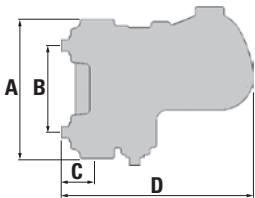
TMA = Maximum allowable temperature: 428°F (220°C)

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.

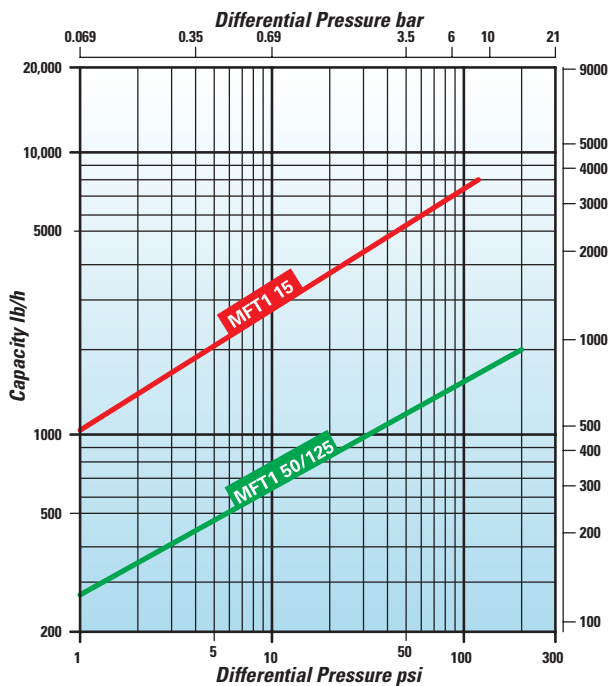


## DIMENSIONS & WEIGHTS

| SIZE<br>in/mm |           |         | A(1)<br>FACE TO FACE | B(2)<br>CENTER TO CENTER | C(3)<br>CENTER TO FACE | D<br>LENGTH   | WEIGHT<br>lb/kg |
|---------------|-----------|---------|----------------------|--------------------------|------------------------|---------------|-----------------|
| 1/2<br>15     | 3/4<br>20 | 1<br>25 | 6 5/8<br>168         | 3 15/16<br>100           | 1 3/8<br>35            | 8 5/16<br>211 | 12<br>5.5       |

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

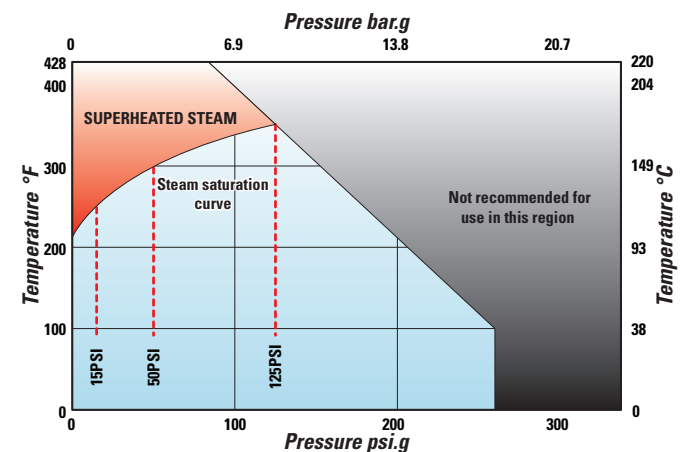
## CONDENSATE CAPACITY



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