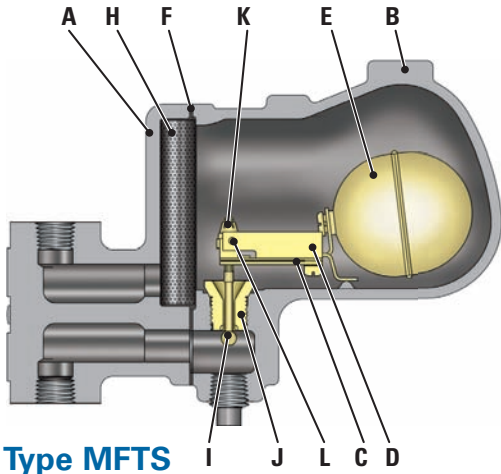


# VELAN MONOVALVE FLOAT BIMETALLIC STEAM TRAPS



Type MFTS

## STANDARD MATERIALS

PART		MATERIALS
A	Body	Cast steel WCB
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	Chrome Moly Alloy B7
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
- Socketweld
- Buttweld
- Flanged

## ENGINEERING DATA

PRESSURE RANGE psi/bar (1)	PMA psi/bar	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
0-150 0-10.5	150 10.5	CAST CARBON STEEL WCB	650 343	5/16 8	4,200 1,909
150-230 10.5-16	230 16			7/32 5.5	1,900 863
230-300 16-21	300 21			7/32 5.5	2,100 955

PMA = Maximum allowable pressure: 320psi@100°F (22bar.g@38°C)

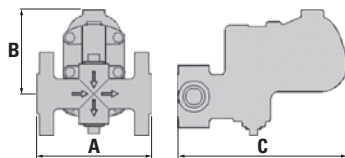
TMA = Maximum allowable temperature: 650°F (343°C)

Maximum cold hydrostatic test pressure: 600psi.g (41bar)

TMO = Maximum operating temperature = TMA

PMO = Maximum operating pressure: (See Table)

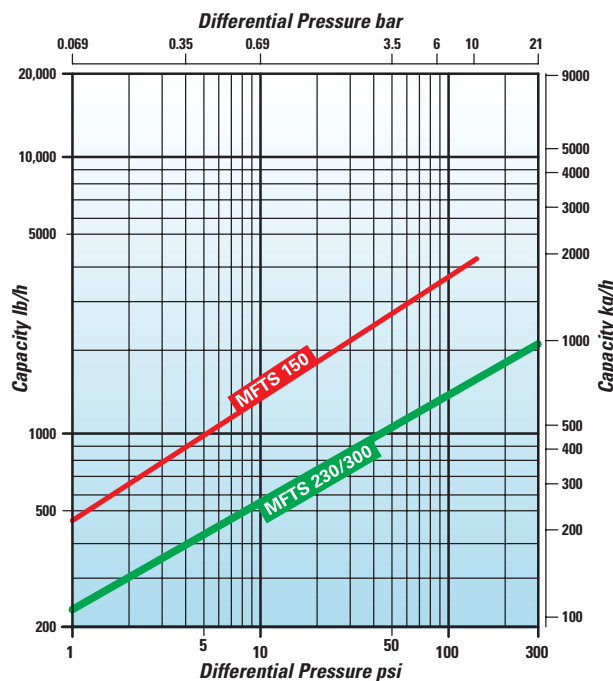
(1) Pressure range indicated in the above table is the preferred operating range, however the trap is functional from 0psi to its maximum operating pressure.



## DIMENSIONS & WEIGHTS

SIZE in/mm	A FACE TO FACE			B CENTER TO TOP	C LENGTH	WEIGHT lb/kg				
	SCR/SW	BW	FLG			SCR/SW	BW	FLG		
1/2 15	3/4 20	1 25	6 1/8 156	9 11/16 246	6 152	5 1/4 133	9 1/4 235	18 8	20 9	30 14

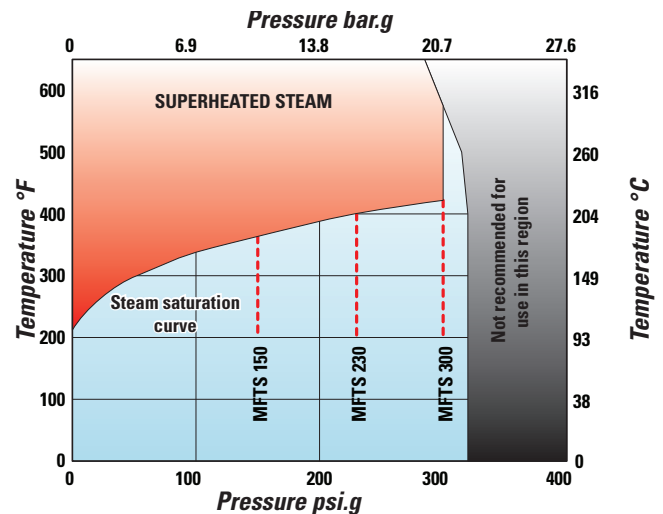
## CONDENSATE CAPACITY



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