VELAN MONOVALVE FLOAT BIMETALLIC STEAM TRAPS

Type MFT5

STANDARD MATERIALS

PAR [*]	Т	MATERIALS		
Α	Body	Cast iron Gr.250		
В	Cover	Same as body material Truflex GB-14 Stainless steel Stainless steel		
С	Bimetal element			
D	Bimetal holder			
Ε	Float			
F	Cover gasket	Stainless steel with non- asbestos filler		
G	Cover screw	High tensile steel Gr. S		
Н	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 ½" NPT	Steel		
N	Strainer plug 1/8" NPT	Steel		

APPLICATIONS

Boiler headers, steam mains, branch lines, unit heaters, shell and tube heat exchangers, jacketed kettles, rotating dryers, flash tanks and steam separators.

CONNECTIONS

Screwed

ENGINEERING DATA

PRESSURE RANGE psig/barg (1)	PMO psig/barg	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr	
0-15 0-1	15 1		428 220	³ / ₈ 9.5	3,300 1,477	
0-50 0-3.5	50 3.5	Cast iron Gr.250		⁷ / ₃₂ 5.5	1,250 568	
0-125 0-8.5	125 8.5			⁷ / ₃₂ 5.5	1,700 772	

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

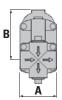
PMA = Maximum allowable pressure: 260psig@100°F (18bar@38°C)

TMA = Maximum allowable temperature: 428°F (220°C)
Maximum cold hydrostatic test pressure: 400psig (27.5bar)

TM0 = 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.

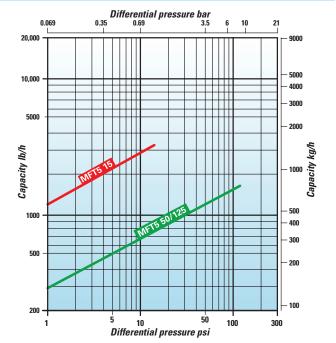




DIMENSIONS AND WEIGHTS

	SIZE NPS/DN		A FACE TO FACE	B CENTER TO TOP	C LENGTH	WEIGHT lb/kg
NP3/DN			SCR	CENTER TO TOP	LENGTH	SCR
1/ ₂ 15	³ / ₄ 20	1 25	3 ¹¹ / ₁₆ 94	5 ¹ / ₄ 133	9 ¹ / ₄ 235	12 5.5

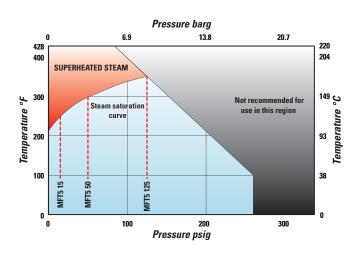
CONDENSATE CAPACITY



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