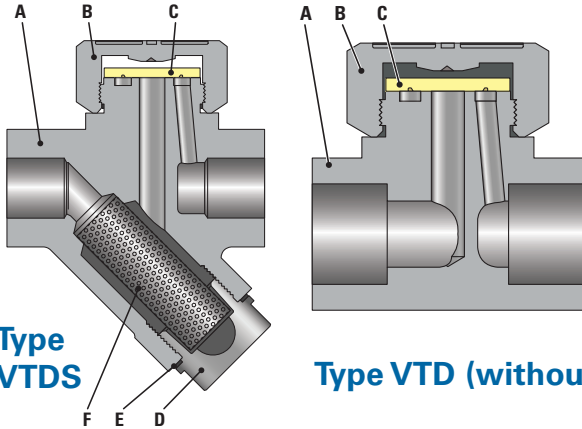


VELAN THERMODYNAMIC STEAM TRAPS



STANDARD MATERIALS

PART		MATERIALS
A	Body	Stainless steel CA40
B	Main cover	Stainless steel CA40
C	Floating disc	Stainless steel, hardened
D	Strainer cover	Stainless steel CA40
E	Strainer gasket	Stainless steel 304
F	Strainer element	Stainless steel 304

Note: Seat face – induction Hardened.

APPLICATIONS

- Multi-platen presses, garment presses
- Rubber and plastic moulding equipment
- Sterilizers and laundry ironers.

CONNECTIONS:

- Screwed

ENGINEERING DATA

TYPE	PRESSURE RANGE psi/bar	PMO psi/bar	MATERIAL	MAX TEMP °F/°C	MAX CAPACITY lb/hr/kg/hr
VTDS	5-600 (0.34-42)	600 (42)	S/S CA40	800 426	1/2 & 3/4 1600 / 727
VTD					1 2300 / 1045

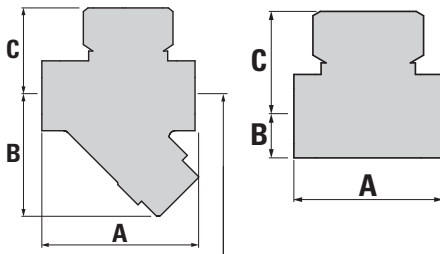
PMA = Maximum allowable pressure: 914psi.g@100°F (63bar.g@38°C)

TMA = Maximum allowable temperature: 800°F (427°C)

Maximum cold hydrostatic test pressure: 1375psi.g (95bar.g)

TMO = Maximum operating temperature = TMA

PMO = Maximum operating pressure: (See Table)



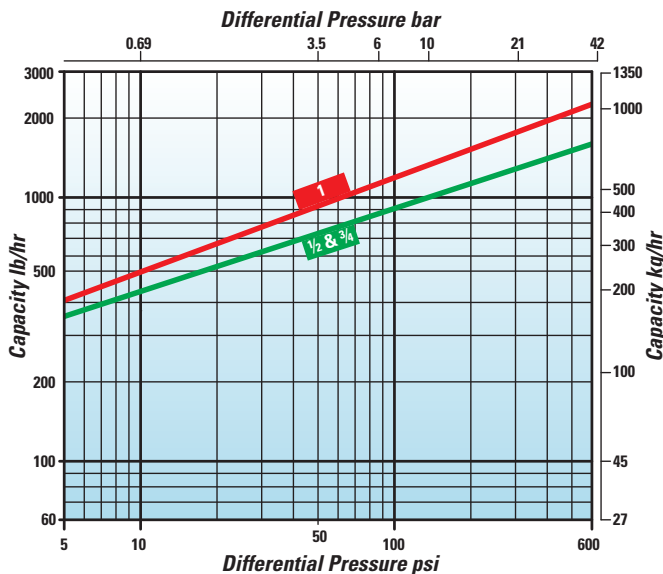
DIMENSIONS & WEIGHTS

TYPE	SIZE in/mm	A FACE TO FACE	B CENTER TO BOTTOM	C CENTER TO TOP	WEIGHT lb/kg
VTDS	1/2 15	3 5/32 80	2 1/2 64	1 13/16 46	2 1/2 1.1
	3/4 20				
	1 25	3 3/4 96	2 3/4 70	2 1/16 52	4 1/2 2
VTD	1/2 15	2 9/16 65	1 7/16 36.5	1 13/16 46	1 1/2 0.7
	3/4 20				
	1 25	3 3/8 85	1 7/8 48	2 1/16 52	3 1/2 1.6

Clearance for Strainer Removal:

1/2 & 3/4 – 3 1/2 in (90 mm) min.
1 – 4 1/4 in (108 mm) min.

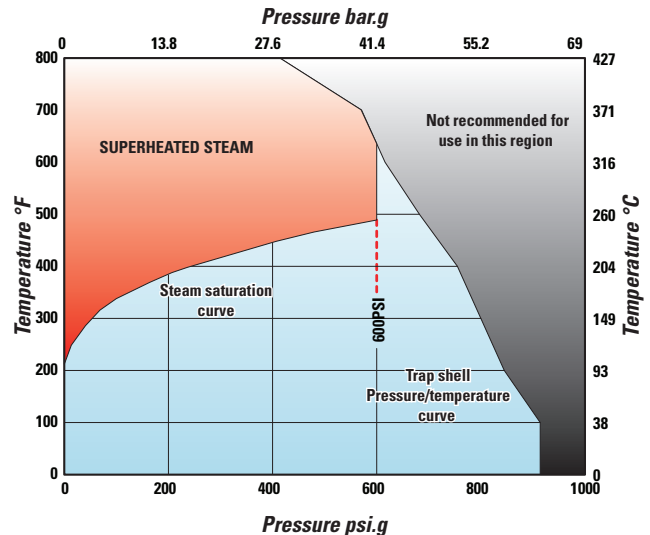
CONDENSATE CAPACITY



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