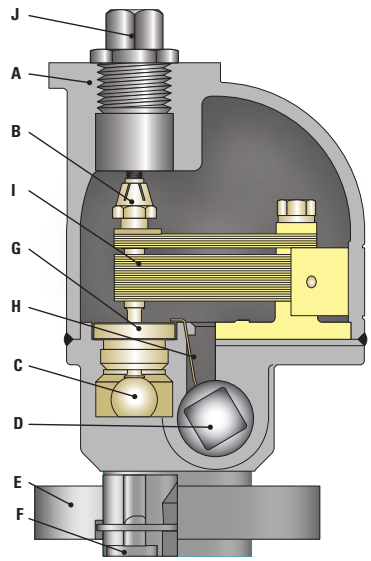
VELAN HERMETICALLY SEALED UST STEAM TRAP



Type UST

STANDARD MATERIALS

PART		MATERIALS
A	Cover	Stainless steel CF8M
B	Self locking adjustable nut	Stainless steel
C	Stem and ball	S/S, ball valve 58Rc min.
D	Body	Stainless steel CF8M
E	Flange	Stainless steel F316
F	Blowdown plug	Carbon steel electro plated
G	Seat	Stainless steel 316 hardfaced (Stellite 6)
H	Strainer	Stainless steel 304
I	Bimetal element	Truflex GB-14
J	Plug	Carbon steel electro plated

APPLICATIONS

Steam tracing, line drain and most general process applications.

CONNECTIONS:

- Screwed
- Socketweld

SIMPLE PRINCIPLE OF OPERATION

A single free-floating ball valve:

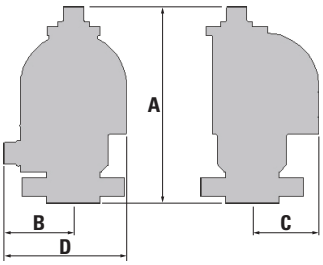
- Vents air
- Discharges condensate
- Traps steam
- Acts as a check valve.

ENGINEERING DATA

PRESSURE RANGE psi/bar	PMO psi/bar	MATERIAL	MAX(1) TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
0-300 (0-21)	300 (21)	S/S CF8M	800(1) 425	5/16 8	690 315

(1) Consult works if the expected service temperature will be >500°F (260°C) as the ferrite level has to be controlled.

Maximum design condition: ANSI/ASME 300
PMA = Maximum allowable pressure: 720psi@100˚F (50bar@38˚C)
TMA = Maximum allowable temperature: 800˚F (425˚C) (see note)
Maximum cold hydrostatic test pressure: 1100psi (75bar)
TMO = Maximum operating temperature = TMA
PMO = Maximum operating pressure: (See Table)

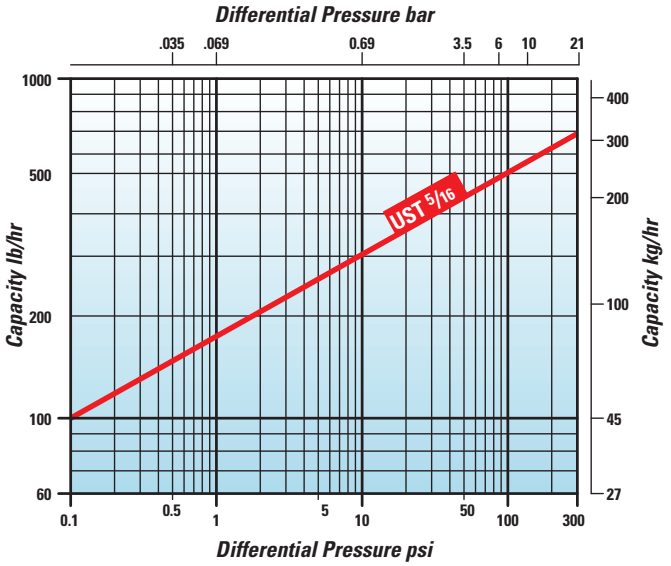


DIMENSIONS & WEIGHTS

SIZE in/mm	A FACE TO FACE	B CENTER TO BOTTOM	C CENTER TO TOP	WEIGHT lb/kg
5 1/8 130	1 7/8 48	1 3/4 45	2 3/4 70	3 1/2 1.5

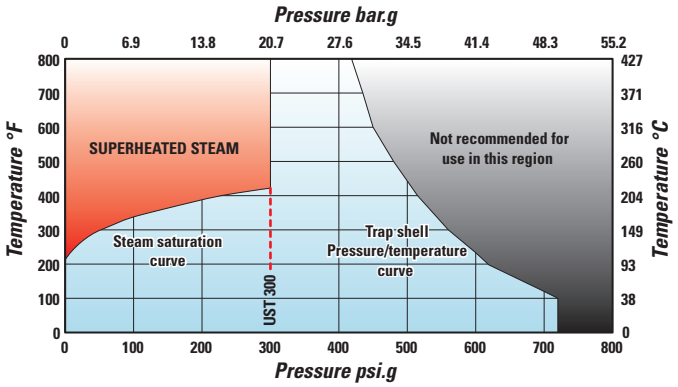
CONDENSATE CAPACITY

The performance graph *indicates the continuous discharge capacities of condensate per hour at various pressure differentials across the trap.*



Maximum cold water capacity x 3.5

PRESSURE / TEMPERATURE LIMITS



---------- *Pressure limit for trap type*