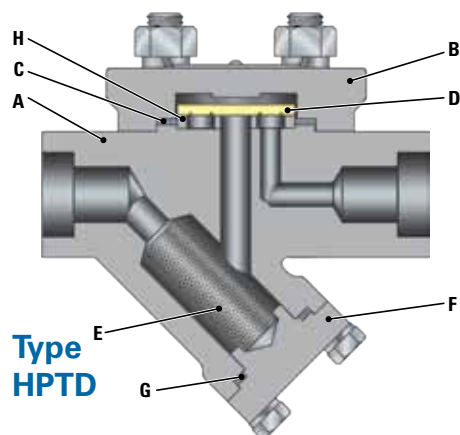


# VELAN THERMODYNAMIC STEAM TRAPS



Type  
HPTD

## STANDARD MATERIALS

PART		MATERIALS
A	Body	Forged carbon steel A105 (C.Max. 0.25)
B	Cover	Same as body material
C	Cover gasket	SS with graphite filler
D	Floating disc	Stainless steel, hardened
E	Strainer	Stainless steel
F	Strainer cover	Same as body material
G	Strainer cover gasket	Stainless steel spiral wound with non-asbestos filler
H	Seat	Hardfaced with CoCr alloy

## APPLICATIONS

Boiler headers, steam mains, branch lines, soot blower drains and intermediate stage turbine drains.

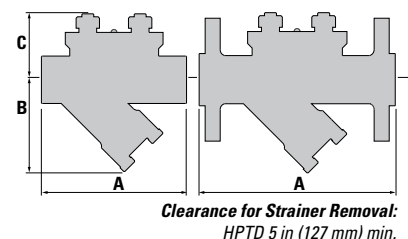
## CONNECTIONS

- Screwed
- Socket-weld
- Butt-weld
- Flanged

## ENGINEERING DATA

PRESSURE RANGE psi./bar.g	PMO psi.g/bar.g	MATERIAL	MAX TEMP °F/°C	MAX CAPACITY lb/hr/kg/hr
5-1000 (0.34-69)	1000 (69)	A105	800 426	5,500 2,500

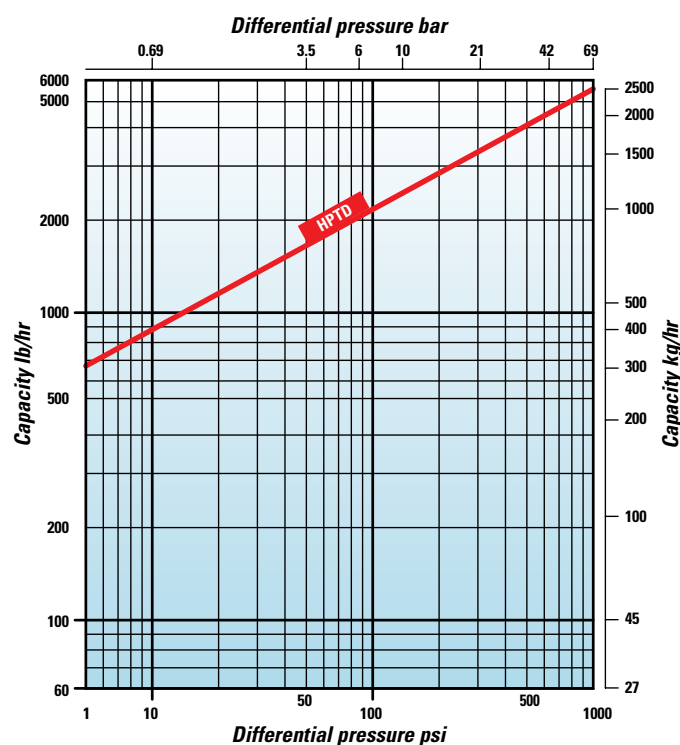
Max body design condition: ANSI/ASME 900  
 PMA = Maximum allowable pressure: 2220psi.g@100°F (153bar.g@38°C)  
 TMA = Maximum allowable temperature: 800°F (427°C)  
 Maximum cold hydrostatic test pressure: 3350psi.g (230bar.g)  
 TMO = Maximum operating temperature = TMA  
 PMO = Maximum operating pressure: (see Engineering data table)



## DIMENSIONS AND WEIGHTS

SIZE NPS/DN			A FACE TO FACE			B CENTER TO BOTTOM	C CENTER TO TOP	WEIGHT lb/kg		
			SCR/SW	BW	FLG			SCR/SW	BW	FLG
1/2 15	3/4 20	1 25	6 1/8 155	12 1/8 308	10 1/8 257	4 102	2 7/8 73	18 8	20 9	26 12

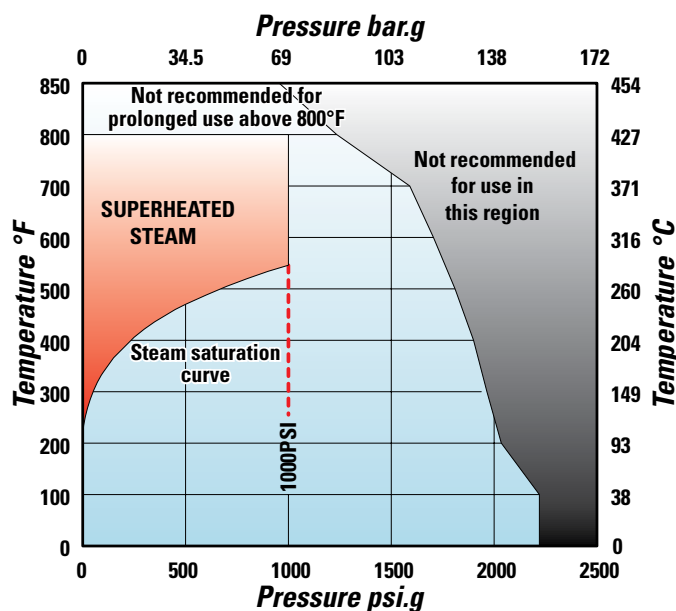
## CONDENSATE CAPACITY



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