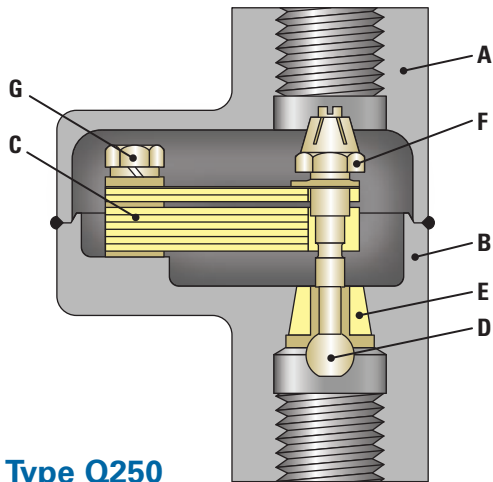


# VELAN HERMETICALLY SEALED Q250 STEAM TRAP



Type Q250

## STANDARD MATERIALS

PART		MATERIALS
A	Inlet shell	Stainless steel CF8M
B	Outlet shell	Stainless steel CF8M
C	Bimetal element	Truflex GB-14
D	Stem and ball	SS, ball valve 58Rc min.
E	Seat	CoCr alloy
F	Self locking adjustable nut	Stainless steel
G	Fixing screw	Stainless steel

## APPLICATIONS

Boiler headers, steam mains, branch lines, tracer lines, sterilizers and finned radiation.

## CONNECTIONS:

- Screwed
- Socket-weld

## 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 psig/barg	PMO psig/barg	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
0-250 (0-17)	250 (17)	SS CF8M	500 260	3/8 9.5	2,700 1,227

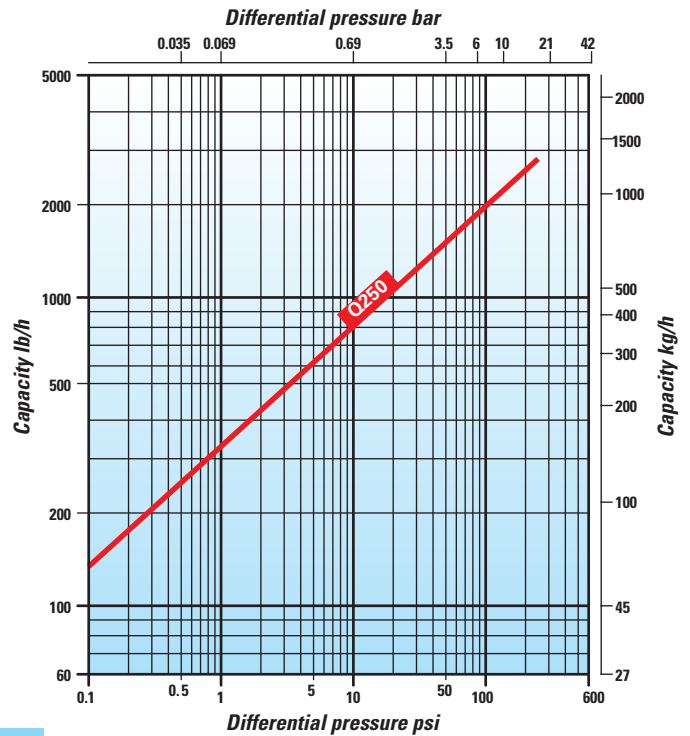
Maximum design condition: ANSI/ASME 300  
 PMA = Maximum allowable pressure: 720psig@100°F (49bar@38°C)  
 TMA = Maximum allowable temperature: 500°F (260°C)  
 Maximum cold hydrostatic test pressure: 1100psig (75bar)  
 TMO = Maximum operating temperature = TMA  
 PMO = Maximum operating pressure: (See Engineering data table)

## DIMENSIONS AND WEIGHTS

SIZE NPS/DN	A FACE TO FACE	B CENTER TO BOTTOM	C CENTER TO TOP	WEIGHT lb/kg
1/2 15	4	3/4	2 1/2	3 1/2
3/4 20	102	19	64	1.5

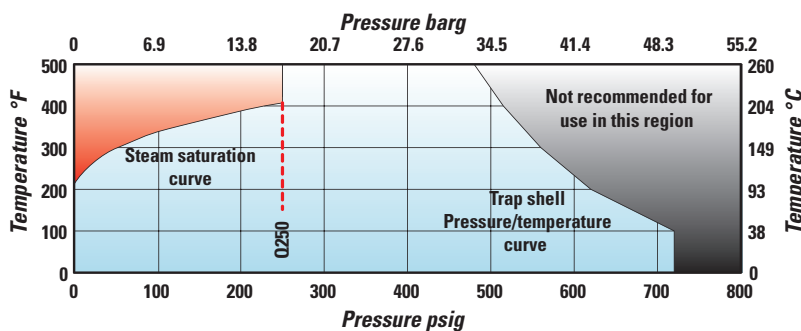
## CONDENSATE CAPACITY

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