



TT-250 Balanced Pressure Thermostatic Steam Trap and Air Vent “No Live Steam Loss”

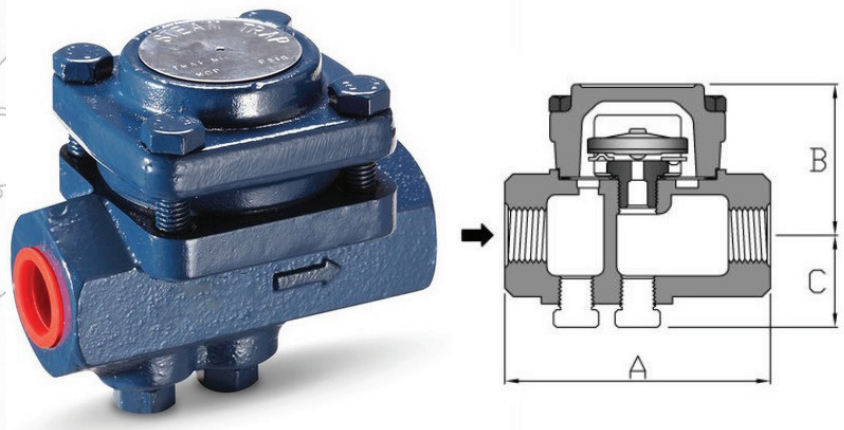
OPERATING PRINCIPLE

Balanced Pressure Thermostatic Steam Traps operate on difference in temperature between steam and condensate. The welded stainless steel bellows (Element) is self-adjusting over its entire range of operating pressure from 2 psig to 250 psig. This element will discharge the condensate at approx. 10 F below steam saturation temperature depending upon the type of filling filled in the element, eliminating excessive flash steam and wasted live steam. The capsule element is also resistant to waterhammer and has a protective stainless steel shroud.

- Rugged Cast Steel Construction for Steam Service
- Stainless Steel Balance Pressure Element for Years of Satisfactory Service
- Simple Internals Replacements Eliminates Complicated Mechanisms
- Built in Strainer Reduces the Piping for Trap Stations
- Modulating Condensate Discharge over the Entire Pressure Range
- Install in Vertical or Horizontal Position

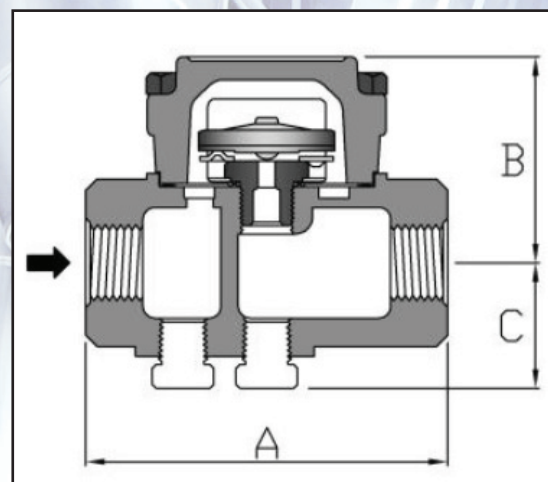
TT-250 NPT

TT-250 functions as an air vent for steam systems when installed at a high point in the piping. Bosses can be drilled and tapped 1/4" for blowdown and test ports.



SPECIFICATIONS

Max. Allowable Pressure	
Model: TT-250 - 1/2"-3/4"	250 PSIG
Operating Pressure:	2 psig to 250 psig
Max. Allowable Temp.	406F
Sizes	1/2" and 3/4"
End Connections	Screwed NPT Flanged to ANSI 150 lb or 300 lb
Materials	Body & Cover: Cast Steel (ASTM A216 Gr. WCB)



PARTS & MATERIALS LIST

NO.	DESCRIPTION	MATERIAL
1	Body	Cast Iron
2	Cover	Cast Iron
3	Thermostatic Element	S.S. AISI 304
4	Strainer Screen	S.S. AISI 304

TYPICAL APPLICATIONS:

Main Drips, Steam Tracing, Kitchen Kettles, Steam Coils, Small Heat Exchangers, Hospital Equipment, Steam Separators

DIMENSIONS "IN" (APPROX.)

SIZE	A	B	C	D	E	WT
1/2"	2.1	2.6	3.3	3.1	2.8	1.6
3/4"	2.1	2.6	3.3	3.1	2.8	1.6

CAPACITY (LBS/HR)

DIFFERENTIAL PRESSURE (PSIG)	FLOW RATE CONDENSATE (LBS/HR) HOT CONDENSATE
2 PSIG	140 lbs/hr
5 PSIG	250 lbs/hr
15 PSIG	300 lbs/hr
20 PSIG	340 lbs/hr
30 PSIG	425 lbs/hr
50 PSIG	510 lbs/hr
75 PSIG	600 lbs/hr
100 PSIG	720 lbs/hr
125 PSIG	795 lbs/hr
150 PSIG	840 lbs/hr
200 PSIG	920 lbs/hr
250 PSIG	1100 lbs/hr

Capacities shown are at 10°F below saturated steam temperature Startup Capacities 25°F below saturated multiply by 1.50