

# STEAM TRAPS

## WT1000

### Thermostatic Steam Trap

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Model	<b>WT1000</b>
Sizes	<b>1/2", 3/4"</b>
Connections	<b>NPT</b>
Body Material	<b>Stainless Steel</b>
PMO Max. Operating Pressure	<b>300 PSIG</b>
TMO Max. Operating Temperature	<b>Saturated Steam Temperature</b>
PMA Max. Allowable Pressure	<b>1032 PSIG @ 100°F</b>
TMA Max. Allowable Temperature	<b>750°F @ 800 PSIG</b>



### TYPICAL APPLICATIONS

**DRIP, TRACER:** The **WT1000** thermostatic steam trap was specifically designed for drip and tracing applications as well as an air vent for heat exchangers. Like all thermostatic traps, the WT1000 is small, light, and has excellent air handling capabilities. The discharging of air on start-up allows steam to enter the system more quickly.

### HOW IT WORKS

The thermostatic trap contains a welded stainless steel thermal element that expands when heated and contracts when cooled. When air and condensate are present the trap is in the open discharge position. When steam reaches the trap the element expands and closes off tightly.

### FEATURES

- Excellent air handling capability which allows steam to enter and the system to warm up faster; extremely important during start up
- Welded stainless steel thermal element which resists shock from water hammer
- Freezeproof when trap is installed in a vertical orientation allowing for complete condensate drainage
- Body is produced from solid stainless steel barstock

### SAMPLE SPECIFICATION

The steam trap shall be of thermostatic type with stainless steel body and stainless steel thermal element.

### INSTALLATION & MAINTENANCE

Trap can be installed in any position. Steam trap is non-repairable. If new trap is needed, remove from line and replace.

### OPTIONS

Special bellows available upon request.

### MATERIALS

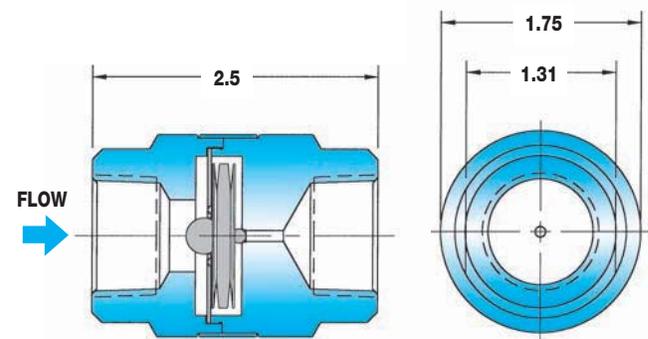
Trap Housing	Stainless Steel, AISI 304L
Thermal Element	Stainless Steel, 300 Series
Valve	Stainless Steel, AISI 440C

### HOW TO SIZE/ORDER

Select working pressure, follow column down to correct capacity (lbs/hr) block. Example:

Application: 435 lbs/hr at 100 PSIG working inlet pressure  
Size/Model: **WT1000**, Specify pipe size and connections (1/2", 3/4")

### DIMENSIONS – inches



### CAPACITIES – Condensate (lbs/hr)

MODEL	Steam Inlet Pressure (PSIG)									
	5	10	20	50	100	125	150	200	250	300
<b>WT1000</b>	95	140	195	305	435	485	530	610	685	750

Back Pressure as Percentage of Inlet Pressure	10	20	25	30	40	50	60	70	80	90
Percentage of Decrease in Trap Capacity	0	0	0	2	5	12	20	30	40	55