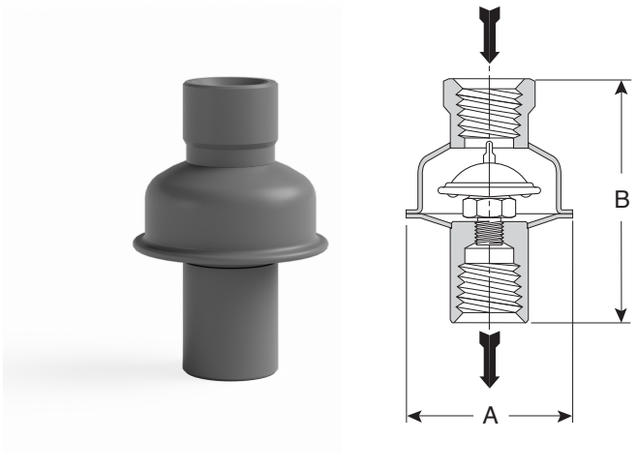
# Thermostatic Wafer Steam Trap

## Stainless Steel

**For Pressures to 250 psig (17 bar)…Cold Water Start-Up Capacities to 1,000 lb/hr (453 kg/hr)**




**Model WMT-1 Trap**

| WMT Thermostatic Wafer Steam Trap | | | | |
|---|---|---|---|---|
| Model No. | WMT-1 | | | |
| Pipe Connections | in | mm | in | mm |
| | 1/4, 3/8 | 6, 10 | 1/2 | 15 |
| "A" (Diameter) | 2-1/4 | 57 | 2-1/4 | 57 |
| "B" (Height) | 3-5/16 | 84 | 3-5/16 | 84 |
| Weight lb (kg) | 1-1/4 (0.6) | | 1-1/4 (0.6) | |

| Model | WMT-1 |
|---|---|
| Connections | Screwed NPT (option BSPT) |
| **Material** | |
| Cap and body | ASTM A240 Grade 304L |
| Capsule | All stainless steel—304 |
| **Maximum Operating Conditions** | |
| Maximum allowable pressure (vessel design) | 250 psig @ 400°F (17 bar @ 204°C) |
| Maximum operating pressure | 250 psig (17 bar) |

### Description

The WMT thermostatic wafer traps are designed to last longer than other oversized, all-purpose thermostatic and thermodynamic steam traps.

A water seal prevents loss of steam through the orifice of the WMT Series.

Adjusts automatically to flow rates, including large start-up loads, at all pressures within its range.

### Specification

Thermostatic wafer steam trap, type WMT stainless steel.

### How to Order

- Specify model number
- Specify size and type of pipe connection. When flanges are required, specify type of flange in detail

**For a fully detailed certified drawing, refer to CD #1017 (WMT-1).**

| Model WMT-Series Thermostatic Wafer Trap Capacity | | | | | | | |
|---|---|---|---|---|---|---|---|
| Differential Pressure* | | Cold Water Start-Up 70°F (21°C) | | Hot Water Start-Up 212°F (100°C) | | Operating Condensate 50°F (28°C) Below Saturation | |
| psi | bar | lb/hr | kg/hr | lb/hr | kg/hr | **lb/hr | **kg/hr |
| 5 | 0.35 | 120 | 54 | 100 | 45 | 10 | 4.5 |
| 10 | 0.70 | 150 | 68 | 170 | 77 | 13 | 5.9 |
| 20 | 1.4 | 320 | 145 | 250 | 113 | 18 | 8.2 |
| 30 | 2 | 390 | 177 | 300 | 136 | 20 | 9.1 |
| 40 | 3 | 420 | 191 | 350 | 159 | 24 | 10.9 |
| 50 | 3.5 | 490 | 222 | 400 | 181 | 26 | 11.8 |
| 75 | 5 | 570 | 259 | 480 | 218 | 30 | 13.6 |
| 100 | 7 | 650 | 295 | 580 | 263 | 35 | 15.9 |
| 150 | 10.5 | 700 | 318 | 700 | 318 | 40 | 18.1 |
| 200 | 14 | 900 | 408 | 800 | 363 | 46 | 20.9 |
| 250 | 17 | 1,000 | 454 | 950 | 431 | 50 | 22.7 |

*Capacities based on differential pressure with no back pressure.

**Capacities will vary with the degree of subcooling. When greater capacities are required, the trap will automatically adjust to the load, up to the maximum (cold water) capacity shown, by increasing the amount of subcooling.