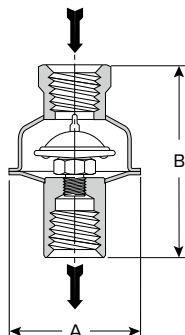




WMT Series Thermostatic Wafer Steam Traps

Stainless Steel or Carbon Steel

For Pressures to 17 bar...Cold Water Start-up Capacities to 450 kg/h



Model WMT-1 Trap

Description

The thermostatic wafer steam trap is sized precisely to handle the extremely low condensate load found in most instrument steam tracer lines. 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-1 in stainless steel.
Maximum allowable back pressure 99% of inlet pressure.

How to Order

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

Table ST-178-2. WMT-1 Trap (dimensions in mm)

Model No.	WMT-1	
Pipe Connections	1/4" - 3/8"	1/2"
"A" Diameter	57	57
"B" Face-to-Face (screwed & SW)	84	84
Weight in kg (screwed & SW)	0,1	0,1

Table ST-178-3. WMT-1 Traps

Model	WMT-1
Connections	Screwed BSPT and NPT
Material	
Cap and Body	ASTM A240 to 304L
Capsule	All stainless steel – 304
Maximum Operating Conditions	
Maximum allowable pressure (vessel design)†	17 bar @ 204°C
Maximum operating pressure	17 bar

Maximum back pressure: 99% of inlet pressure

Table ST-178-1. WMT Series Capacity

Differential Pressure*	Cold Water Start-Up 21°C	Hot Water Start-Up 100°C	Operating Condensate 10°C Below Saturation
bar	kg/h	kg/h	kg/h**
0,35	54	45	4,5
0,7	68	77	5,9
1,4	145	113	8,2
2,0	177	136	9,1
3,0	191	159	10,9
3,5	222	181	11,8
5,0	259	218	13,6
7,0	295	263	15,9
10,5	318	318	18,1
14,0	408	363	20,9
17,0	454	431	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.

† May be derated depending on flange rating and type.

All dimensions and weights are approximate. Use certified print for exact dimensions. Design and materials are subject to change without notice.