

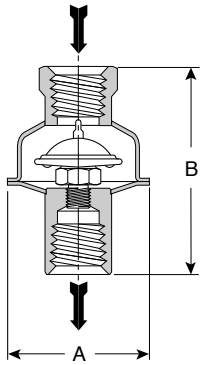


MT Series Thermostatic Wafer Steam Trap

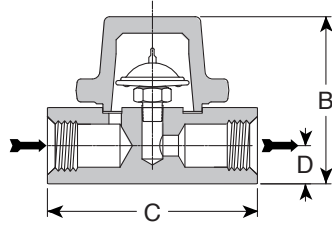
Stainless Steel or Carbon Steel

For Pressures to 350 psig (24 bar)...Cold Water Start-Up Capacities to 1,000 lb/hr (453 kg/hr)

Steam Trapping and Steam Tracing Equipment



Model WMT-1 Trap



Model MT-2 Trap

Description

The thermostatic wafer steam trap, the Series MT-2, is sized precisely to handle the extremely low condensate load found in most instrument steam tracer lines. The MT 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 MT 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 or MT-2 carbon 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).

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)	1/4 (0.1)		1/4 (0.1)	

MT-2 Thermostatic Wafer Steam Trap		
Model	MT-2	
Pipe Connections	in	mm
	1/2, 3/4	15, 20
"B" Height	3	77
"C" Face-to-Face	3-1/2	90
"D" \varnothing to Bottom	11/16	17
Weight, lb (kg)	4 (1.7)	

Model	WMT-1	MT-2
Connections	Screwed NPT and BSPT	Screwed BSPT, Socketweld flanged
Material		
Cap and body	ASTM A240 to 304L	Carbon steel
Capsule	All stainless steel—304	
Maximum Operating Conditions		
Maximum allowable pressure (vessel design)	250 psig @ 400°F (17 bar @ 204°C)	350 psig @ 662°F (24 bar @ 350°C)
Maximum operating pressure	250 psig (17 bar)	

Model MT-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
300	21	1,050	476	1,025	465	56	25.4
350	24	1,150	522	1,200	544	63	28.6

*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.

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