

UNIVERSAL STEAM TRAPS

WT450

Thermostatic Module (mounts to WU450 Universal Connector)

Model	WT450
Connections	Fits WU450 universal connector
Body Material	Stainless Steel
PMO Max. Operating Pressure	450 PSIG
TMO Max. Operating Temperature	Saturated Steam Temp.
PMA Max. Allowable Pressure	720 PSIG @ 100°F
TMA Max. Allowable Temperature	800°F @ 400 PSIG

Steam trap modules **must be used** with the WU450 Universal Connectors which are shown on previous pages.

TYPICAL APPLICATIONS

DRIP, TRACER, PROCESS: The WT450 steam trap module mounted on a universal connector can be used anywhere conventional thermostatic steam traps are used. Used on drip, tracing and light process applications. The WT450 module mounts to the WU450 universal connector.

HOW IT WORKS

The universal connector is permanently installed into the pipeline where the steam trap would normally be placed. The trap module is bolted to the universal connector with two bolts and sealed with a gasket. When a new trap module is needed, it can be easily removed and replaced with a standard open-end or socket wrench without disturbing the existing piping.

FEATURES

- Trap module can be easily removed and replaced in minutes without having to disconnect any piping
- Trap modules can be used with most manufacturer's 2-bolt universal connector
- All stainless steel construction with hardened seat

SAMPLE SPECIFICATION

The steam trap module shall be designed to attach to the industry standard two-bolt universal connector. Trap module shall be of a thermostatic design. The universal connector shall conform to the two-bolt industry standard with integral strainer and blowdown options.



**WT450
Thermostatic
Steam Trap
Module**

INSTALLATION

Isolation valves should be installed before and after the universal connector to facilitate maintenance. The universal connector can be installed in any orientation. Trap module is attached to the connector using two bolts and a sealing gasket.

MAINTENANCE

When a new trap module is needed, it can be easily removed and replaced with a standard open end wrench without disturbing the existing piping. If the universal connector is equipped with an integral strainer it should be cleaned periodically. For full maintenance details see Installation and Maintenance Manual.

OPTIONS

Universal Connector are available with an integral strainer and blowdown valve. Connector is purchased separately. See the WU450 Universal Connector section for more information.

MATERIALS

Body	Stainless Steel, AISI 420
Thermal Element	Stainless Steel, AISI 302
Disc & Seat	Stainless Steel, AISI 420
Insulation Cover	Stainless Steel, AISI 304
Bolts	Steel, ASTM A193 GR B7
Gaskets (2)	Spiral Wound 304 Stainless Steel with Grafoil Filler

CAPACITIES – Condensate (lbs/hr)

Model	Orifice Size	Steam Inlet Pressure (PSIG)												
		5	10	20	50	100	125	150	200	250	300	350	400	450
WT450	3/16"	441	625	882	1391	1827	1969	2095	2305	2483	2636	2777	2903	3019

Note: 5/64" low capacity orifice is available upon request.

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