

Visual Trap Test Capability Multiple System Functions & Trap Technology All Stainless Steel Construction

Series WTS Steam Trap Test Station

Applications

When installations require a block and test valve along with your steam trap, Watson McDaniel makes available a fully assembled unit. This unique package saves initial purchase costs as well as expensive installation time. The ruggedly constructed all stainless steel block and test valve with high temperature polyphenylene sulfide trim design was specifically tailored for long life in steam and condensate service. Typical applications include:

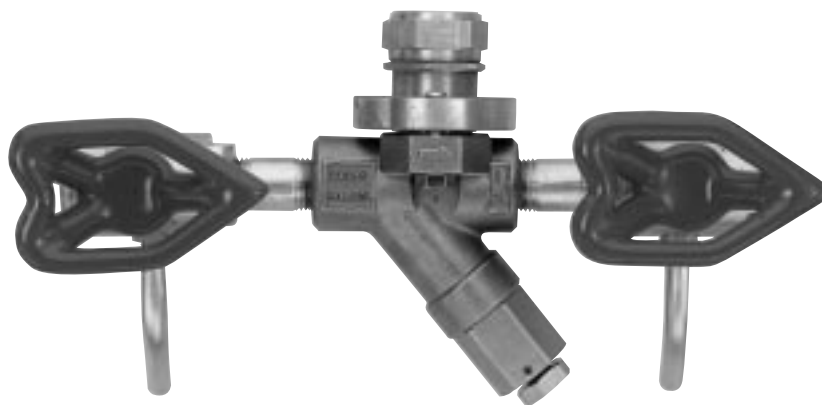
- Main Drips
- Condensate Collection Manifolds
- Steam Tracing

Features

- **Inlet block valve offers four possible system functions:**
 - Start-up valve- Permits free blowing of the line to speed up heat-up of the system
 - Bypass valve - Can be used to block the steam trap for service while draining condensate and keeping the system operational
 - Drain valve- Can be used to drain the line at the end of the season
 - Isolation valve- Isolates the trap for in-line repair
- **Outlet test valve offers three possible system functions:**
 - Test valve- In its test position it is an excellent valve to check trap function by observing discharge
 - Back Pressure Valve- Can be used to check trap function by isolating the trap from back pressure
 - Isolation Valve- Will isolate the trap from back pressure for service and replacement
- Universal connection for in-line repair

How It Works

The most conclusive way to determine the performance of a steam trap is to visually observe the discharge of the trap. Just such an inspection is accomplished simply by turning the test valve handle to the test port and determine whether the trap is passing steam or discharging hot condensate and flash steam. Station offers ultimate flexibility while minimizing space & field connections.



**Example Shown: WTS w/WDUSB450
Quick Change Thermodynamic Steam**

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Manufacturers of:

**PRESSURE & TEMPERATURE REGULATORS - RELIEF VALVES - STEAM TRAPS - CLEAN STEAM PRODUCTS
LIQUID DRAINERS - PRESSURE PUMPS - EJECTORS - SPECIALTY PRODUCTS**



ASME Sect VIII Div I
ST-400
1/01

Series WTS Steam Trap Station Specifications

Operating Conditions* - Test Valve Only

Max Operating Pressure(PMO).....600PSIG

Max Allowable Temperature(TMA).....500° F

*Note: For capacities and other limiting factors please refer to the appropriate steam trap data sheets

Materials

1)Block & Test valve.....Stainless Steel, AISI 303

2)Pipe Nipples.....Stainless Steel, AISI 304

Note: For detail on test valve refer to WTV data sheet.

For detail on steam traps refer to the appropriate data sheet for trap selected.

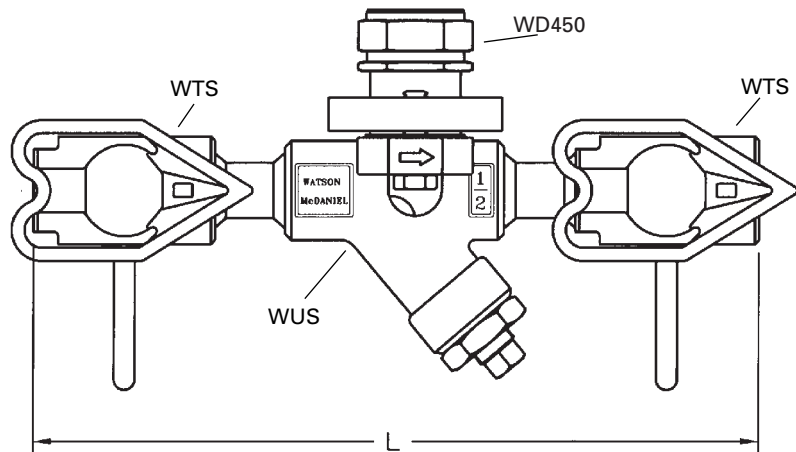
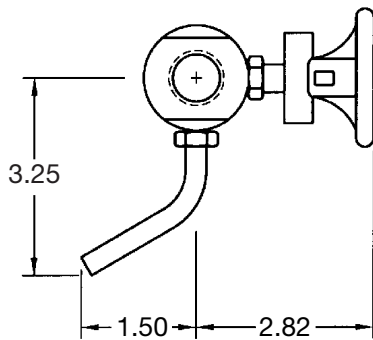
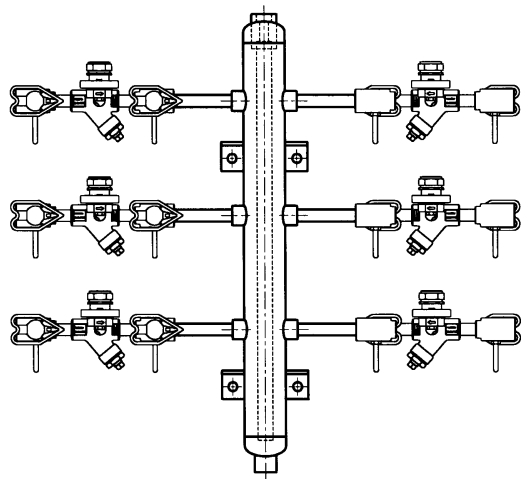
Dimensions & Weights

Description	"L"		Weight
	1	2	
½" & ¾" WTS-WU	1 ¹ / ₁₆ " ± 1/8"	15 ¹ / ₁₆ " ± 1/8"	1.5
½" & ¾" WTS-WUS	12 ³ / ₁₆ " ± 1/8"	15 ¹ / ₁₆ " ± 1/8"	2.5
½" & ¾" WTS-WUSB	12 ³ / ₁₆ " ± 1/8"	15 ¹ / ₁₆ " ± 1/8"	3

- Available in 1/2" & 3/4" NPT or socket weld connections

Typical Installation

Steam Trap Test Stations piped to a condensate collection manifold.



**Example Shown: WTS-WUS w/ WDU450
Quick Change Thermodynamic Steam**