

# STEAM TRAPS

## WU450 Series

### Universal Style In-line Connectors

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Model	<b>WU450, WU450S, WU450SB</b>
Sizes	<b>1/2", 3/4", 1"</b>
Connections	<b>NPT, SW</b>
Body Material	<b>Stainless Steel</b>
PMO Max. Operating Pressure	<b>(trap module dependent)</b>
TMO Max. Operating Temperature	<b>(trap module dependent)</b>
PMA Max. Allowable Pressure	<b>720 PSIG @ 100°F</b>
TMA Max. Allowable Temperature	<b>800°F @ 400 PSIG</b>

Universal steam trap module sold separately

### TYPICAL APPLICATIONS

**DRIP, TRACER:** The **WU450 Series** Universal Connectors are used in steam systems where a simplified and economical maintenance program of steam traps is desired. These universal connectors can be used for drip service on steam mains and steam supply lines, tracing, or small process equipment. Industrial standard 2-bolt universal connectors are commonly used in chemical plants, petrochemical refineries, paper mills and other industrial facilities. The WU450 connectors fit an industrial standard and are compatible with other manufacturer's universal steam trap modules. Used with Watson McDaniel Universal Steam Trap Modules:

- WSIB450 - Inverted Bucket**
- WD450 - Thermodynamic**
- WT450 - Thermostatic**

### HOW IT WORKS

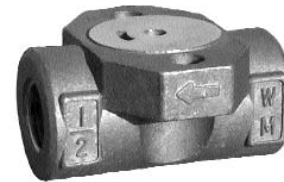
The WU450 universal connector remains permanently installed in the piping system. The convenient 2-bolt mounting system allows the trap modules to be quickly installed or replaced. The WU450 Universal Connector can be used with trap modules that have a thermodynamic, thermostatic or inverted bucket mode of operation.

### FEATURES

- **Universal connector remains in-line permanently, therefore, replacement of trap module only is easier, quicker and more cost-effective than replacing the entire steam trap**
- **2-bolt mounting makes trap maintenance and replacement simple and fast**
- **All stainless steel construction**
- **Trap module can swivel 360° on the universal connector allowing any orientation during installation**
- **Compatible with most of other manufacturer's trap modules**
- **Available with integral strainer and blowdown valve**

### SAMPLE SPECIFICATION

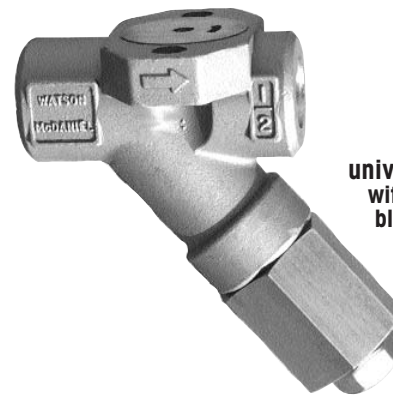
The Universal Connector shall be all stainless steel construction with a two-bolt 360 degree swivel mount flange design and available with integral strainer and blowdown valve.



**WU450**  
universal connector



**WU450S**  
universal connector  
with strainer



**WU450SB**  
universal connector  
with strainer and  
blowdown valve

### INSTALLATION

The universal connector can be installed in any position. Installation should include isolation valves.

### MAINTENANCE

The strainer should be periodically cleaned by removal or use of the optional blowdown valve. For full maintenance details see Installation and Maintenance Manual.

### MATERIALS

Body	Stainless Steel, AISI 316
Strainer*	40 Mesh Stainless Steel, AISI 304
Blowdown Valve**	Stainless Steel, AISI 303

\* Strainer available on WU450S and WU450SB models only.

\*\*Blowdown Valve available on WU450SB model only.

### HOW TO ORDER

Specify universal connector. Steam trap module is ordered separately.