WD450
Thermodynamic Module (mounts to WU450 Universal Connector)

Model | WD450
Connections | Fits WU450 Universal Connector
Body Material | Stainless Steel
PMO Max. Operating Pressure | 450 PSIG
TMO Max. Operating Temperature | 750ºF
PMA Max. Allowable Pressure | 720 PSIG @ 100ºF
TMA Max. Allowable Temperature | 800ºF @ 400 PSIG

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

**TYPICAL APPLICATIONS**

**DRIP, TRACER:** The WD450 steam trap module mounted on a universal connector can be used anywhere conventional thermodynamic steam traps are used. Used on drip, tracing and light process applications where removal of air is not critical. The WD450 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 thermodynamic design. Universal connector shall conform to the two bolt industry standard with integral strainer and blowdown options.

**CAPACITIES**

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**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**

If the trap fails for any reason, replace only the trap module. If universal connector is equipped with an integral strainer it should be cleaned periodically. For full maintenance details see Installation and Maintenance Manual.

**OPTIONS**

Universal Connectors 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
- Disc: Stainless Steel, AISI 420
- Cap: Stainless Steel, AISI 416
- Insulation Cover: Stainless Steel, AISI 304
- Bolts: Steel, ASTM A193 GR B7
- Gaskets (2): Spiral Wound 304 Stainless Steel with Grafoil Filler