

**SERIES WD450 WITH WU450S
& WU450**

**THERMODYNAMIC UNIVERSAL
CONNECTORS**

INSTRUCTION PART NO. 1559203

REVISION 2

INSTALLATION

Arrange piping to provide gravity drainage to trap.

Install separate trap for each unit, coil, etc.

Pipe to correct flow, check flow arrow on trap.

Outlet piping should not be smaller than inlet piping.

If possible, trap should be located within five feet of equipment being drained.

For freeze proof installation place in vertical position without lift after trap.

CAUTION: First install universal connector then mount trap module & torque (2) bolts evenly to 35-40 ft-lbs. using a small amount of anti-seize.

Do not insulate trap.

Before activating trap station, blow down strainer to purge all scale, dirt, etc. from system.

MAINTENANCE

Isolate trap from both supply and return line pressures.

Wait until trap can be comfortably touched by hand before repairing.

Remove cap of disc module and examine sealing surfaces of disc and seat. If worn, remove (2) bolts & discard trap module.

If dirty, wipe surfaces with solvent only. No abrasives. Apply small amount of anti-seize compound to bonnet threads. **CAUTION:** keep sealing areas clean. Install disc with groove side down on seat. Install cap & torque: 1/2" trap 75 ft-lbs & 3/4" trap 110 ft-lbs.

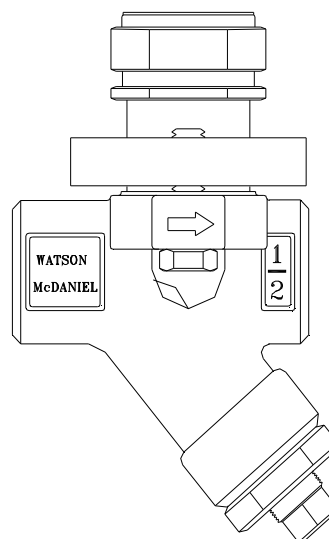
Inspect seating area of universal connector & remove any remnants of old gasket material. Do not scratch sealing surfaces.

Attach disc trap module to universal connector. Apply anti-seize compound to bolt threads and evenly torque to 35-40 ft-lbs.

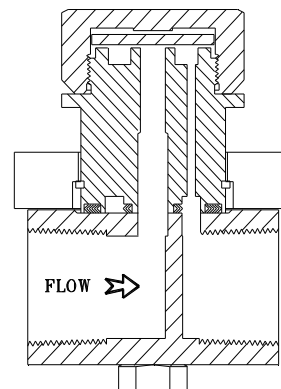
Slowly open upstream & downstream valves.

MAX. ALLOWABLE CONDITIONS:

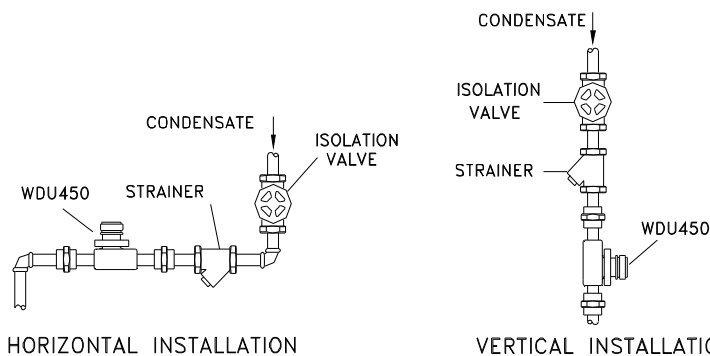
PMO	450 PSIG	PMA	720 PSIG @ 100°F
TMO	750°F	TMA	800°F @ 400 PSIG



WD450 with WU450S
Connector (Strainer)



WD450 with WU450
CONNECTOR



HORIZONTAL INSTALLATION

VERTICAL INSTALLATION

Each Watson McDaniel Company Product is warranted against defects in material and workmanship for one year from date of shipment. This warranty extends to the first retail purchaser only. All defective material must be returned to the person from whom you purchased the Product, transportation prepaid, free of any liens or encumbrances, and if found to be defective will be repaired free of charge or replaced, at the warrantor's or seller's option. If the material is replaced, any replacement will be invoiced in the usual manner and after inspection of alleged defective material an adjustment will be made for depreciation caused by purchaser's use. In no event will Watson McDaniel Company be liable to do more than refund the original contract price. Incidental and consequential damages are excluded, whether under this warranty or otherwise. All implied warranties, including warranties of merchantability and fitness for a particular purpose, are disclaimed and excluded.