

SERIES FDA800

THERMODYNAMIC CLEAN STEAM TRAP INSTALLATION INSTRUCTIONS

INSTRUCTION PART NO. 2225300

REVISION 1

TYPICAL APPLICATIONS

Clean steam for powering sterilizers and autoclaves.

Culinary steam for direct cooking and heating of foods.

Clean steam for humidification of clean rooms.

Pure steam for sterilization of equipment in the biotechnology and pharmaceutical industries.

INSTALLATION

Observe pressure limitations shown on trap label.

To provide for easy maintenance and service, install an isolation valve ahead of the trap.

All valves should be full ported to achieve the rated capacity of the trap.

Install trap below the equipment being drained in a location easily accessible for maintenance and inspection. Be certain the flow arrow on the trap points in the proper direction.

After welding trap into system, flush system thoroughly to eliminate any contamination.

Discharge piping should be amply sized to avoid excess back pressure.

A dirt leg with a trap station is recommended at every change of elevation. There should be no undrainable pockets.

It is recommended no other steam service be interconnected with a Clean Steam service.

MAINTENANCE

Isolate trap from both supply and return line pressures.

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

Remove cap and examine seating surfaces of disc and body.

Order new disc if worn, kit #800-01.

If body seating surface is dirty or worn, clean or resurface using a method compatible with the clean steam system.

Reinstall disc and cap torquing to 35-40 ft-lbs.

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.

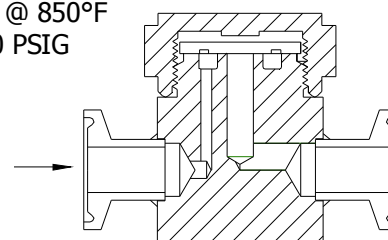
ORDERING SPARE PARTS

Specify the description of the part. Indicate the Model Number and Size which are shown on the name plate.

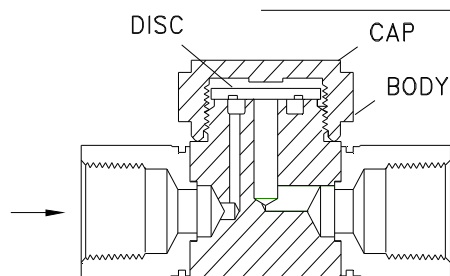
Typical Specification: Disc for 3/8" FDA 800 Clean Steam Trap with tube weld ends.

MAXIMUM OPERATING CONDITIONS

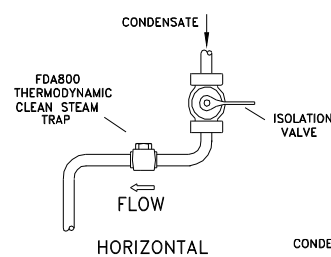
PMO	150 PSIG
TMO	500°F
PMA	230 PSIG up @ 850°F
TMA	850°F @ 230 PSIG



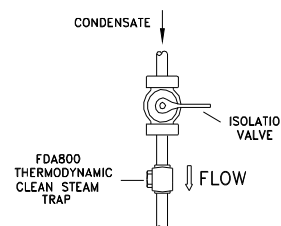
1/2" FDA800 WITH CLAMP ENDS



1/2" FDA800 WITH NPT ENDS



HORIZONTAL



VERTICAL

(FREEZE PROOF)