



Installation and Maintenance

Armstrong TC Series Stainless Steel Clean Steam Thermostatic Traps

This bulletin should be used by experienced personnel as a guide to the installation and maintenance of Clean Steam thermostatic steam traps. Selection or installation of equipment should always be accompanied by competent technical assistance. We encourage you to contact Armstrong or its local representative if further information is required.

Installation

The Clean Steam Traps are intended to be installed in vertical lines with downward flow in order to insure that the trap is self-draining. Verify that the flow direction arrow on the trap is in the correct downward position.

Any necessary fittings, gaskets, or clamps required for the steam trap's sanitary end connections are not included.

If the steam trap has sanitary end connections, do not over-tighten clamps during installation. Over-tightening may cause gasket failure. Once the slack in the clamp is taken up, it is typically necessary to tighten the nut an additional ½" turn maximum.

Maintenance

Note: Model TC-S sealed traps are a welded non-repairable design and must be replaced when the trap's service life has expired.

Models TC-C and TC-R

1. Isolate trap from steam supply and allow it to cool down.
2. Remove the trap from the line if possible.
3. Disassemble trap by removing clamp or screws (depending upon model). Remove the gasket and thermostatic element assembly.
4. Clean trap cap and body as necessary.
5. Install new thermostatic element assembly and gasket.
6. Assemble cap to body and place trap back in service.
7. Check for leaks and re-tighten clamps or screws as necessary.

Do not exceed maximum operating pressure below:

Model	TC-C Clamp	TC-R Repairable	TC-S Sealed
Maximum Allowable Pressure (Vessel Design)	120 psig (8.3 bar)		150 psig (10 bar)
Maximum Allowable Temperature	350°F (177°C)		366°F (186°C)
Maximum Operating Pressure	100 psig (7 bar)		120 psig (8.3 bar)