

Staitech

HST50 Clean Steam Trap

The HST50 is a simple and compact trap suitable for draining condensate from clean steam systems. Operating on thermodynamic principles, the trap will discharge condensate close to steam saturation temperature.

Due to the operating characteristics of the HST50, it should only be used in constant pressure applications above 0.5 barg in systems where only uncontaminated condensate is present. Such applications may include main line drainage and filter housing drainage.

Installation

In order to ensure free-draining, the HST50 should be installed vertically with the flow arrow pointing vertically downward as illustrated.

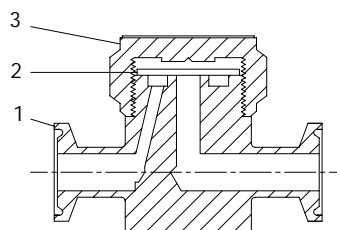
Maintenance

The HST50 is designed to be maintenance free, with only periodic disc replacement likely to be required. Should a trap fail to shut-off the cap should be removed and the disc and seat checked for signs of wear, damage or debris ingress. Disassembly/assembly instructions are as follows:

1. Remove complete trap from line, firstly ensuring any residual system pressure has been relieved.
2. Loosen and remove cap(3).
3. Remove disc(2), checking disc and seat for signs of wear or damage.

Renew disc if worn or damaged. If damage to the seating surfaces is evident the trap should be replaced.

4. Insert disc with circumferential grooves facing trap seat.
5. Fit cap and tighten to 35-40 lbf/47-54Nm



Parts list

1.	Body
2.	Disc
3.	Cap

Available spares

Disc(2)

