

BT6-B SANITARY BALANCED PRESSURE THERMOSTATIC STEAM TRAP



The BT6-B is a 316L sanitary, balanced-pressure, thermostatic steam trap for clean, pure steam. Its crevice free, self-draining body and angled seat minimise condensate retention, supporting hygienic performance in SIP/CIP, sterile steam barriers, mains drainage and other regulated clean steam applications. The high-performance thermostatic element with minimal subcooling reduces the typical cooling leg requirement to 50mm.

BENEFITS:

- **Protects product quality**
Minimises condensate retention and backup, helping maintain hygienic conditions during SIP/CIP and production, supporting sterility and clean steam quality.
- **Supports reliable SIP and validation**
Self-draining geometry and reduced cooling leg improve drainage predictability and cycle repeatability, helping to reduce validation failures and lost batch time.
- **Reduces steam loss and energy waste**
Near-saturation closing of the thermostatic capsule and tight seal limits unnecessary live steam loss compared to traps that operate significantly below steam temperature.
- **Simplifies specification in regulated utilities**
Hygienic design, material traceability and documentation packages (including EN 10204 3.1, FDA, USP and Food+EC1935 statements) make it easier to demonstrate compliance during audits.
- **Speeds up installation and commissioning**
Compact geometry with a reduced cooling leg helps designers fit drain points where they are most effective and reduces commissioning time around steam and condensate lines.

- **Flexible for global hygienic standards**
Clamp and tube-ended connection options allow the same sanitary trap platform to be applied across ASME BPE PED/UK PESR, FDA CFR Title 21 gasket compliance, USP Class VI, ADI/TSE/BSE free) and cleanroom packaging (ISO Class 7), ensuring full alignment with recognised hygienic piping standards.
- **Designed for maintainability**
Clear installation guidance, clamp-torque cautions, and easily specified spares (capsule assembly and gaskets) help maintenance teams service the trap without damaging hygienic surfaces.

FEATURES:

- Sanitary balanced pressure thermostatic trap design
- Designed and manufactured in accordance with ASME BPE
- Crevice free 316L stainless steel body
- Self-draining geometry with 15° angled seat
- Reduced cooling leg for compact installation
- Opens near steam temperature to reduce loss
- Low and high-capacity sanitary variants available
- ISO Class 7 cleanroom packaged components
- FDA and USP compliant gasket materials
- Optional fixed bleed for fail-open operation