

BT6-B

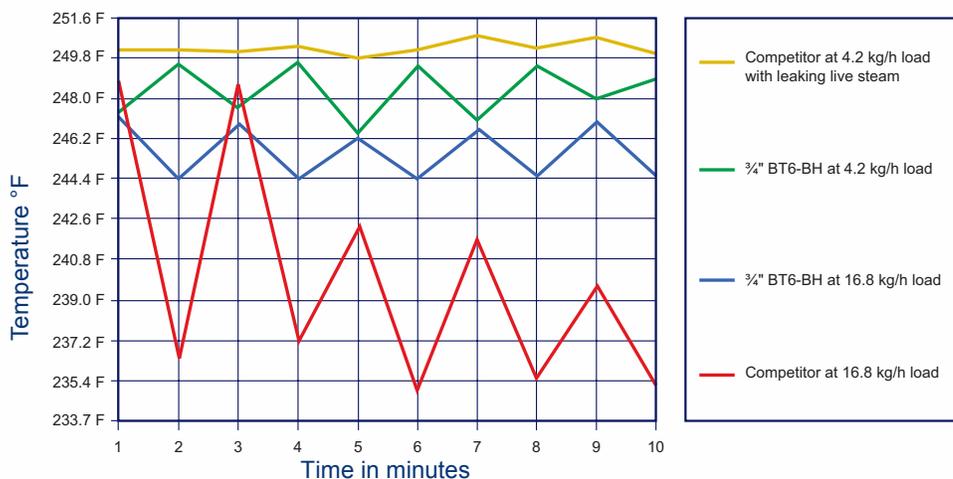
balanced pressure thermostatic steam trap
for use in hygienic environments

FDA
Approved
Fully
Certified

The Spirax Sarco BT6-B is a high specification sanitary balanced pressure thermostatic steam trap that has been developed specifically for use in hygienic environments such as the pharmaceutical, biotechnological and food processing industries to remove condensate with the minimum of condensate retention. The standard element is extremely sensitive to changes in condensate temperature and is designed to open with a minimum of sub-cooling, typically less than 3.6°F (2°C) from steam saturation temperature at pressures below 36 psig (2.5 bar g). Its unique design, with enhanced features, ensures the BT6-B is effective and economical and exceeds the capabilities of other models currently available on the market.



Temperature control @ nominal 14.5 psig



Industries and applications

- Pharmaceutical
- Fine chemical
- Food and beverage
- Block and bleed system
- Fermenter
- Clean steam line drainage
- Bioreactor

Certification

This product is available with the following certification:

- EN 10204 3.1 material certificates (fully wetted parts) & FDA approved element fill.
- Typical Internal surface finish certificates.
- Specific internal surface finish certificates available at point of order request, and may be subject to additional cost.
- Certificate of conformity of the seal for FDA, USP, ADI and TSE/BSE.
- Certificate of compliance EC1935:2004 Food Contact Materials.

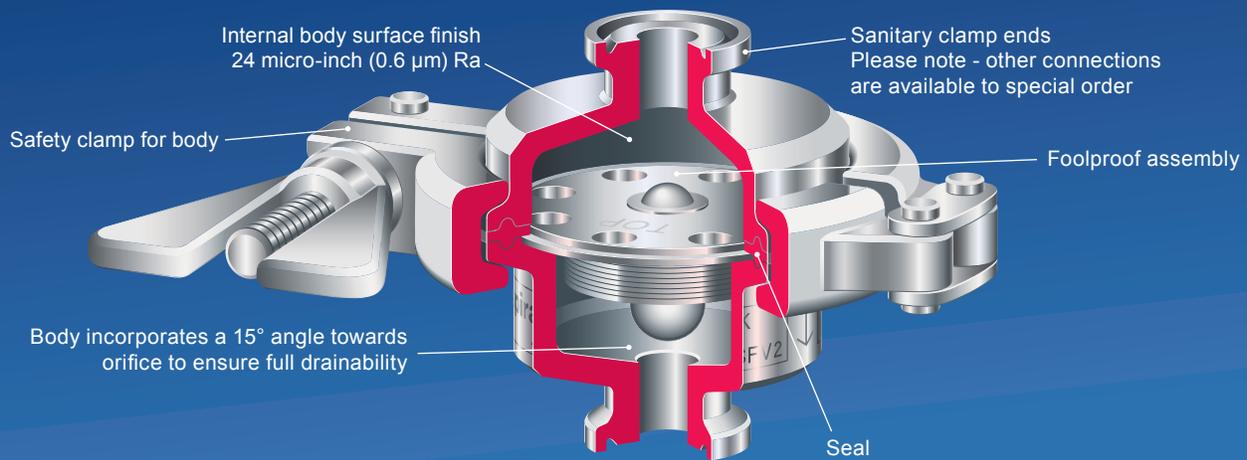
Note: All certification/inspection requirements must be stated at the time of order placement, and may be subject to additional cost.

First for Steam Solutions

EXPERTISE | SOLUTIONS | SUSTAINABILITY

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The unique design of the new BT6-B balanced pressure thermostatic steam trap will deliver optimum performance where it is most essential.



Range and options

Model	Size and connections	Material of construction	Seal	Internal body surface finish
BT6-BL	1/2", 3/4", 1" and 1 1/2" Sanitary clamp ends	Body and capsule element 316L stainless steel	Standard Viton seal	Standard 15 micro-inch Ra (0.375 μm) electropolished
BT6-BH		Body clamp 316 stainless steel	Optional For dairy applications a PTFE encapsulated Viton seal can be supplied	Optional 24 micro-inch Ra (0.6 μm)

Key features and benefits

Key features	Key benefits
Stainless steel with high quality surface finish and FDA and USP class VI compliant seal.	Minimal risk of microbiological growth and high degree of corrosion resistance.
High capacity	The BT6-BL is suitable for main drainage applications with low condensate loads. The BT6-BH is a high capacity trap with high condensate and cold-water handling capacities. This ensures minimum back-up at start-up.
Improved 'near-to-steam' performance	Superior capsule performance means that condensate is discharged at temperatures approaching steam saturation temperature. This means cooling legs can be kept to a minimum.
Safety clamp for body as standard	The trap can not easily be disassembled by accident and this is an important safety feature to protect operators.
Self-draining design incorporating steep 15° angle towards orifice which exceeds the current ASME BPE 2007 recommendations.	Ensures the product is fully self-draining which reduces the risk of microbiological growth.

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