

Steam traps with membrane regulator SMK series

Thermostatic steam traps with minimum stagnant area for sterile and aseptic applications

For CIP (clean-in-place) and SIP (steam-in-place) processes, recognition of the phase, i. e. steam or water, and an adequate steam trap reaction time are crucial factors. The *STERline* membrane regulators used in the SMK series react especially quickly to a change in temperature or a change in phase, due to their design, smaller surface area and low weight.

Use

Extremely responsive steam trap – especially suitable for draining in:

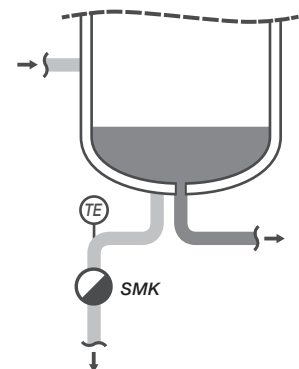
- The pharmaceutical industry
- Pure steam and ultrapure steam applications
- Clean-in-process (CIP)
- Steam-in-place (SIP) processes

Advantages

- Fast and precise *STERline* thermostatic capsule
- Achieves an almost constant system temperature
- Minimum stagnant area
- All parts in contact with medium are of high-quality stainless steel
- Design principle allows installation with few welded joints
- Functional unit can be replaced quickly and safely
- Optional short design with clamp connection

Installation example

Sterile tank



SMK 22



SMK 22-51



SMK 22-81, SMK 22-82

SMK 22 in detail:

Fast acting regulator with minimum crevice body design for minimum stagnant area.

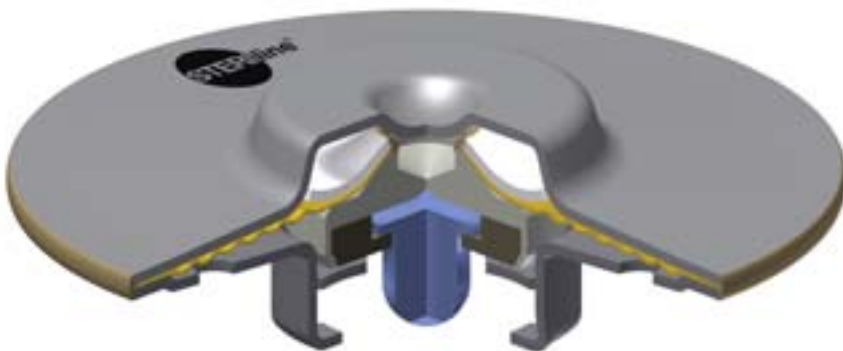
These traps work with the extremely responsive GESTRA STERLine thermostatic capsule. This ensures the steam traps can also perform drainage tasks with stringent requirements for high-quality control and a clean process. Condensate is discharged reliably and almost immediately.

Key data

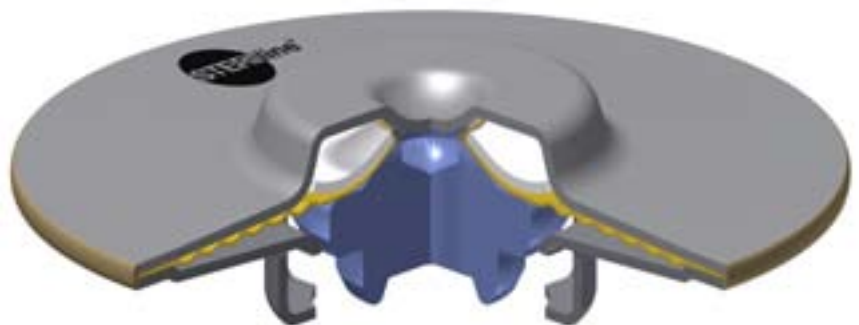
- DN 10–25 (NPS 3/8"–1")
- PN 10
- Max. differential pressure: 6 bar
- Surface roughness: $\leq 0.8 \mu\text{m}$
- GESTRA STERLine thermostatic capsule

Options

- Surface roughness $\leq 0.4 \mu\text{m}$
- Various STERLine thermostatic capsules for small and large condensate flowrates
- Different end connections available, including clamp version for weld-free assembly



*STERLine 1 thermostatic capsule
for small condensate flowrates*



*STERLine 2 thermostatic capsule
for large condensate flowrates*