

Steam traps with bimetallic regulator BK series

Thermostatic steam traps for removing condensate from steam or for air venting steam pipes

In steam traps with GESTRA Thermovit regulators, the opening and closing process is controlled by the interaction of bimetallic plates and a stage nozzle. It is precisely this principle that makes steam traps from the BK series highly responsive, very efficient and extremely resistant.

Use

Robust steam traps for condensate removal from heating processes with small load fluctuations.

Especially recommended for use in:

- Superheated steam pipes
- Saturated steam pipes
- Steam tracing
- Heating coils

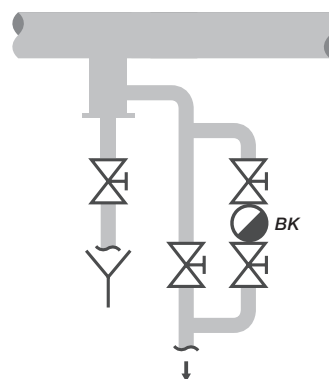
Moreover, the BK series is ideal for use as a fast-acting air vent for steam systems.

Advantages

- Extremely good start-up performance
- No loss of steam
- Suitable for differential pressures up to 275 bar
- Able to cope with the harshest operating conditions
- Any installation position – in horizontal or vertical pipes
- Inner parts of corrosion-resistant stainless steel
- Can be serviced without removing the body from the pipe
- Metal base bushing provides the seal between the body and bimetallic regulator
- Stage nozzle for non-return valve action
- Wear-resistant

Installation example

Superheated steam pipe



BK 15



BK 37, BK 28, BK 29



BK 37-ASME, BK 28-ASME, BK 29-ASME



BK 45, BK 46



BK 212



BK 212-ASME

BK 45/46 in detail:

These steam traps are unaffected by frost and water hammer, resistant to corrosion and require little maintenance.

The traps regulate the flow of medium using a highly responsive GESTRA Thermovit regulator. Specially shaped bimetallic plates arranged one above the other expand as the media temperature rises, moving the stage nozzle. The flow orifice closes. In the cold state, the regulator is fully open. That is why steam traps from the BK series boast an excellent start-up performance.

Key data

Robust GESTRA Thermovit regulator for removing condensate from heating processes with small load fluctuations.

- DN 15–25 (NPS ½–1")
- PN 40/Cl 300
- Max. differential pressure: 22 or 32 bar
- Easy to install RHOMBUSline body with recessed body gasket and metal base bushing
- Integrated non-return valve action
- Dirt strainer with large surface area (Y-strainer)

Options

- Integrated steam trap monitoring for loss of steam and banking-up of condensate
- Blow-down valve

