

Thermodynamic steam traps

DK series

Steam traps for draining steam systems

These steam traps work on the basis of a simple thermodynamic principle. Incoming condensate lifts the disc of the regulator to the open position, while steam causes it to close immediately. The traps in the DK series are correspondingly simple in construction, feature a small, compact body and are low in cost.

Use

Compact steam trap for draining heating processes with small load fluctuations.

Especially recommended for use in:

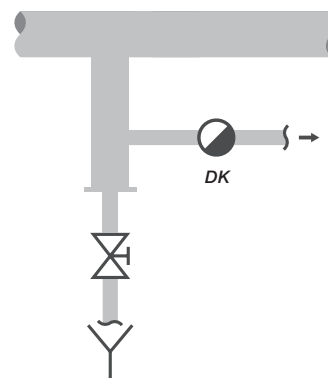
- Saturated steam pipes
- Superheated steam pipes
- Steam tracing
- Air heaters

Advantages

- Compact, highly responsive regulator
- Small number of functional parts
- Drainage with practically no banking-up
- Any installation position – in horizontal or vertical pipes
- Permitted back pressure up to 80% of upstream pressure
- Available as an easy-to-install RHOM-BUSline body with replaceable regulator, or as a compact version
- Inner parts of corrosion-resistant stainless steel

Installation example

Steam pipe



DK 47



DK 57



DK 45

DK 47 in detail:

Compact, resistant and low-priced steam traps of stainless steel

The DK 47 thermodynamic steam trap is made of stainless steel and has an integrated dirt strainer. It has an especially compact design with a threaded cover. These traps boast an impressive price/performance ratio.

Key data

- DN 10–25 (NPS 3/8"–1")
- PN 63
- Max. differential pressure: 42 bar
- Dirt strainer with large surface area (Y-strainer)
- Screwed end

Options

- Low capacity version for small condensate flowrates
- High capacity version for large condensate flowrates
- Blow-down valve

