



GOUDA

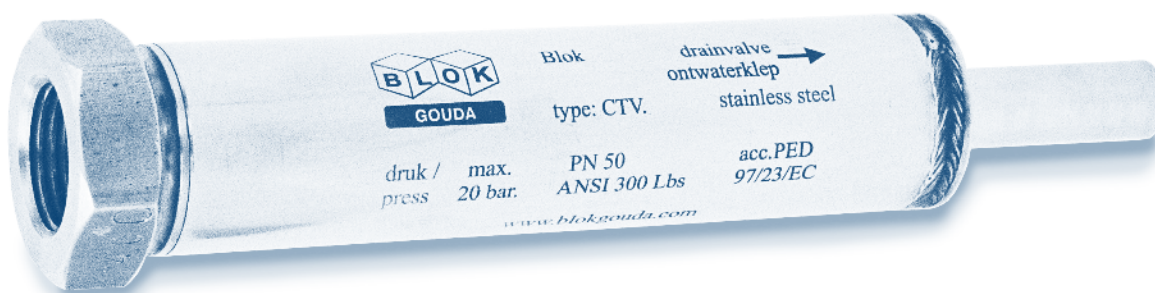
Temperature controlled "drainvalve" Blok CTV

The CTV is an automatic drainvalve controlled by temperature for draining pipelines, vessels, tanks etc.

Simplicity of operation and rugged construction are keys to the CTV's reliable performance. A sturdy solid-liquid phase thermal actuator senses the water (or other liquid) temperature and maintains a pre-set discharge temperature regardless of pressure or pressure changes. The valve is full open at the pre-set temperature and fully closed 8°C above the set point.

Actual CTV temperature setting depends upon the requirements of your specific application.

Standard settingpoints are 4°C, 15°C, 50°C en 80°C.



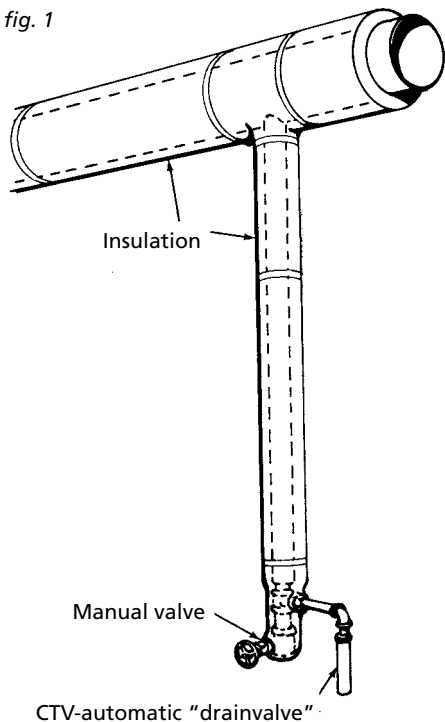
Applications:

- To avoid freezing water or condensate pipelines.
- To drain pipelines in vertical expansion loops.
- To discharge fluids below a fixed temperature.
- Additional temperature controlled drain of steam pipelines during cool down or start-up.

Advantages:

- Fail safe : Fails open.
- Self controlling.
- Operates independent of pressure.
- Fully stainless steel.
- Self cleaning valve/seat construction.
- Opens and closes slowly.

fig. 1



CTV-automatic "drainvalve"

For manual and automatic drain see installation in fig. 1.
Do not insulate the Blok CTV valve!

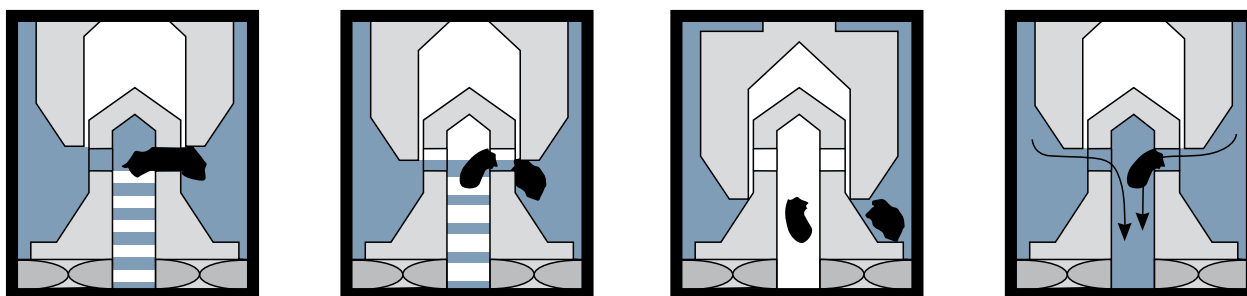
Unique anti-dirt plug and seat solve the dirt problem.

Dirt, rust and scale are major cause of automatic drainvalves. But the CTV alone features a unique anti dirt plug and seat assembly that effectively prevents any accumulation of dirt on the seat.

The CTV breaks up dirt with highly effective shearing action that occurs automatically as the circular plug moves up and down with the modulating action of the thermal actuator in response to changes in condensate temperature.

This principle of this self-cleaning action is shown in the illustrations below (fig.2).

fig. 2



Body material:	stainless steel
Internals:	stainless steel
Material control unit:	copper
In/outlet:	1/2" threaded NPT of BSP
Pressure:	20 bar
Temperature max:	212 °C
Capacity:	max. 120 kg/hr.(water)
Built-in length:	170 mm