

# TKK-61

## THERMOSTATIC STEAM TRAP

### AIR ELIMINATOR IN STEAM LINES

#### GENERAL FEATURES

Thermostatic air drainers operate according to the Thermostatic attitude of a capsule which is placed into the trap. Capsule contains a special liquid inside which has lower vapourisation temperature than water.

When the system starts up the cold condensate drops down the temperature of the capsule. Compressed capsule pushes the disc upward and discharges the air. With the increasing condensate temperature, liquid in the capsule starts vaporisation. Expanded capsule pushes the disc towards the seat and stops discharging.

#### Installation

TKK-11 can be installed both vertically and horizontally with the pipeline. Flow direction indicator arrow on the product body should be examined carefully. In case discharging of condensate into the atmosphere, temperature of the released condensate which is around 100°C must be considered closely in order to maintain health and safety.

**Connection:**  
Threaded

**Dimension:**  
DN15 (1/2")

**Working Pressure:**  
Max. 13 bar

**Working Temperature:**  
Max. 200 °C

#### Applications:

- Press
- Radiator
- Steam Separator\*
- Main Steam Line End App.\*
- Steam Collector \*
- Cooking Boiler

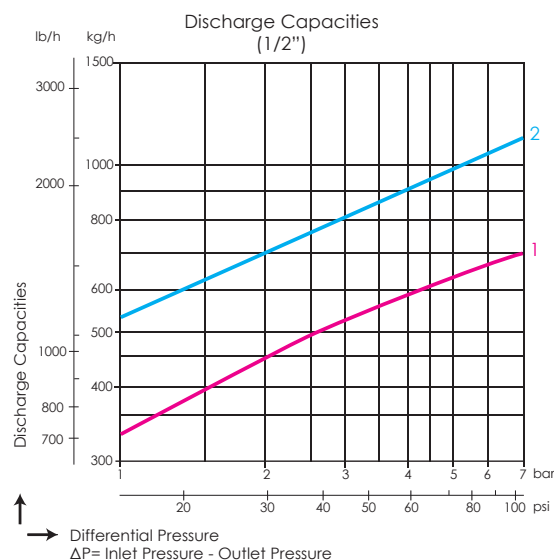
\*TKK-11 is installed to this applications above is only for draining air.

#### Red Chart

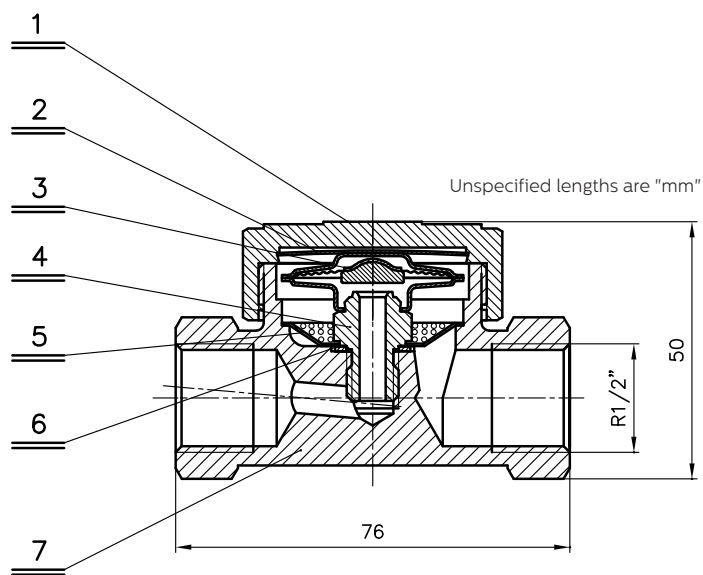
$\Delta p$  = Condansate Discharge at the temperature which is max 10°C lower than steam saturation temperature.

#### Blue Chart

$\Delta p$  = Cold Condansate Discharge at 20°C.



# TKK-61 THERMOSTATIC STEAM TRAP / AIR ELIMINATOR IN STEAM LINES



MATERIALS		
1	Cover	MS 56
2	Press Spring	AISI 304
3	Thermostatic Capsule	Hastelloy
4	Seat	AISI 304
5	Filter	AISI 304
6	Seat Gasket	AISI 304
7	Body	MS 56

