

BIMETALLIC THERMOSTATIC

The operating principle is based on a balance between the steam force (pressure related) trying to open the discharge valve and the bimetal force (temperature related) which acts to close it. At saturated steam temperature the bimetal force keeps the valve closed, while with subcooled condensate the pressure opens the valve.

MAIN FEATURES

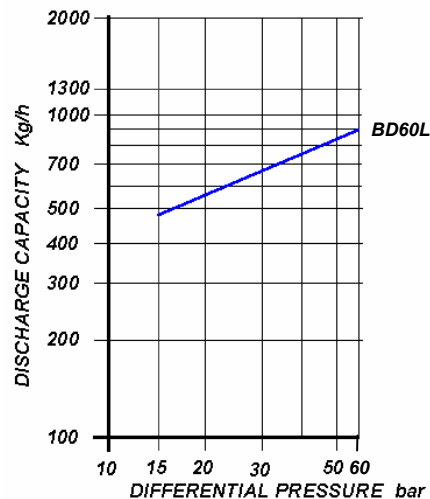
Free air discharge. Suitable on superheated steam. It withstands frost and waterhammer. Modulating discharge only with condensate.



APPLICATIONS

- ☐ Tracing lines
- ☐ Marine applications
- ☐ Turbines
- ☐ Steam mains
- ☐ Tanks

DISCHARGE CAPACITY



Cold water capacities are 2 to 4 times greater than the above .
Safety factor = 1.2 – 1.5

SIZES

1/2" – 3/4" – 1"

CONNECTIONS

SCREWED	ANSI B1.20.1 (NPT)
BUTTWELD	ANSI B16.25
SOCKET WELD	ANSI B16.11
FLANGED	ANSI 150#/300#/600#/UNI/DIN

LIMITING CONDITIONS (according to ISO 6552)

Steam Trap rating	ANSI 600
PMA: Max allowable pressure	100 bar
TMA: max allowable temperature	510°C
PMO: max working pressure	60 bar
TMO: max working temperature	400°C