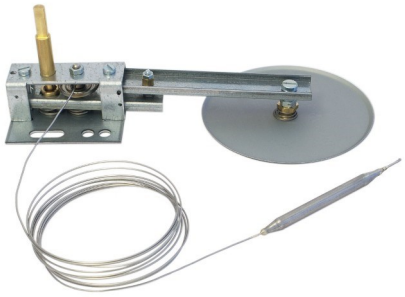
Thermostats

Thermostat with valve



Advantages

Thermostatic regulation of combustion has many advantages compared to classic manual regulation by opening and closing the ashtray:

- easy and smooth temperature control
- optimal temperature according user choice is maintained, increased comfort of human operator
- prevention of heating device overloading and extension of its lifetime
- automatic regulation of air supply, optimization of combustion process and reduction of fuel consumption
- increasing of combustion process efficiency and continuous burning during the whole night

Description

Capillary systems filled with heat-transfer oil are used for thermostats which limits the use up to 300 °C. Range of working temperature is the crucial parameter for selection of capillary system.

- 20 ÷ 90 °C
- Capillary system in copper design
- 20 ÷ 300 °C
- Capillary system in stainless steel design

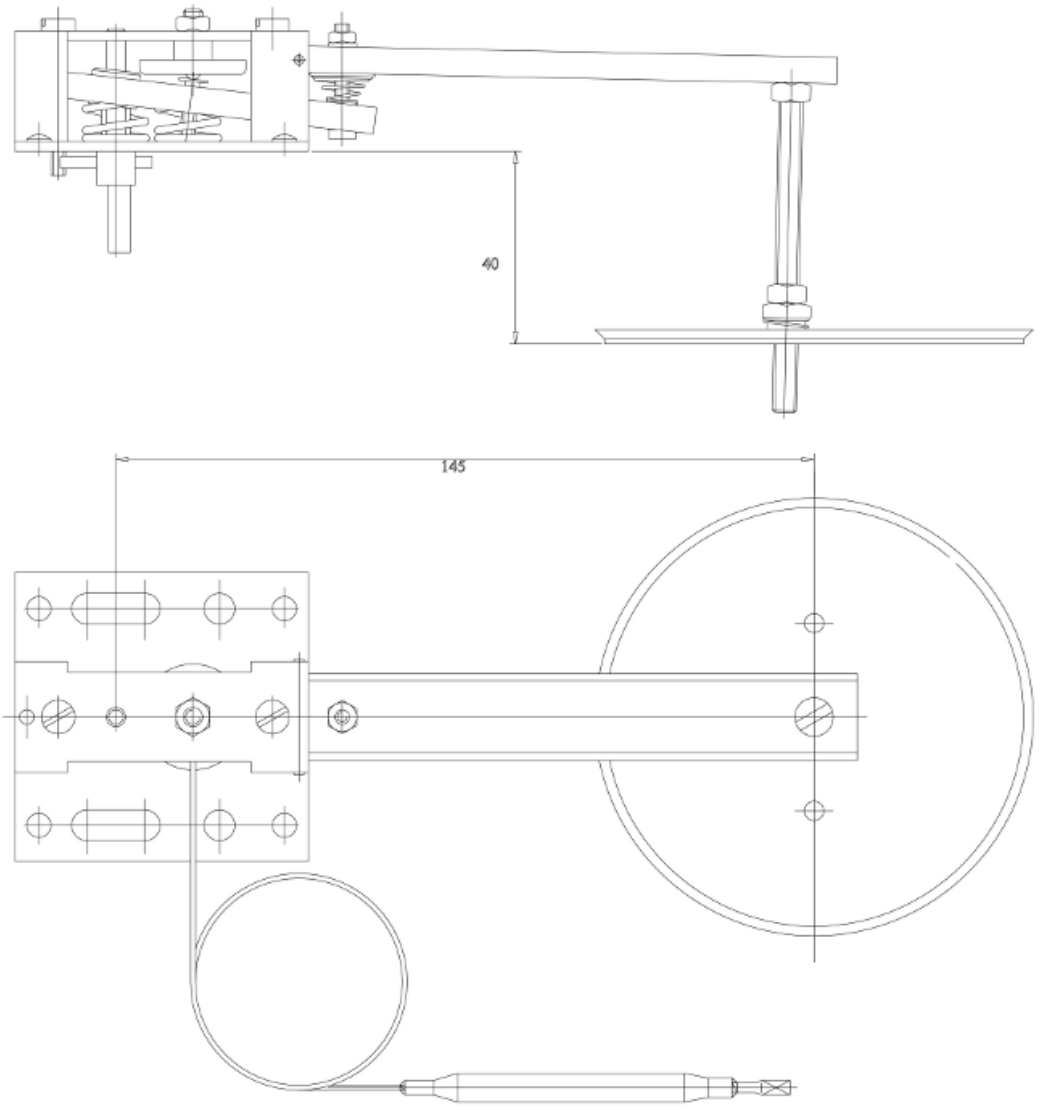
Bimetallic systems can be used when higher temperature up to 500 °C is required.

Temperature can be set using regulation screw on the thermostat. Thermostats can be equipped with regulation screws with various pitch for optimal performance of the heaters. One of following control designs can be chosen according to heater construction:

- top control (capillary or bimetallic system)
- bottom control (capillary system)
- rear control (capillary system)
- side control (capillary system)

Closing valves are used to control the air flow. Square or circular design in different sizes is available. The right choice of the shape is dependent on heat coat properties and on size of the air supply hole.

Technical drawings



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