Thermostatic head

ZQTHE001

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PRODUCT DESCRIPTION

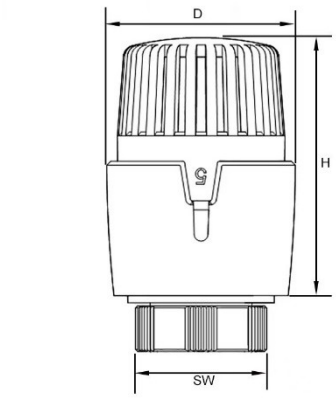
Thermostatic radiator heads are automatic regulators that regulate the flow of water through thermostatic radiator valves for constant room temperature control to the set value selected on the head.
The use of thermostats allows you to automatically maintain the air temperature in the premises at a given level with an accuracy of 1°C.

TECHNICAL PARAMETERS	
Connection	
Type of connection	Threaded
Thread size	M30*1,5
Closing force	90 N
Temperature data	
Operating temperature range	6~28 °C
Lower limit of air temperature control (*)	6 °C
Upper limit of air temperature control	28 °C
Hysteresis	1 °C
Influence of differential pressure	0,3 °C
Influence of coolant temperature	0,9 °C
Ambient temperature range	-15 ... +50 °C
Pressure data and other data	
Maximum allowable static pressure, D	1,0 MPa
Maximum allowable pressure drop, W	0,1 MPa
Response time, Z	28 mnts
Weight	123 g

SCALE OF RECOMMENDED SETTINGS

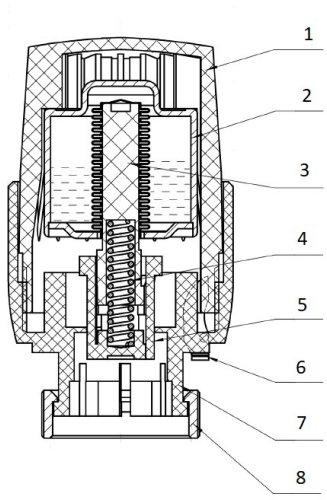
SETTING	ROOM TEMPERATURE, °C
*	6
1	12
2	16
3	20
4	24
5	28

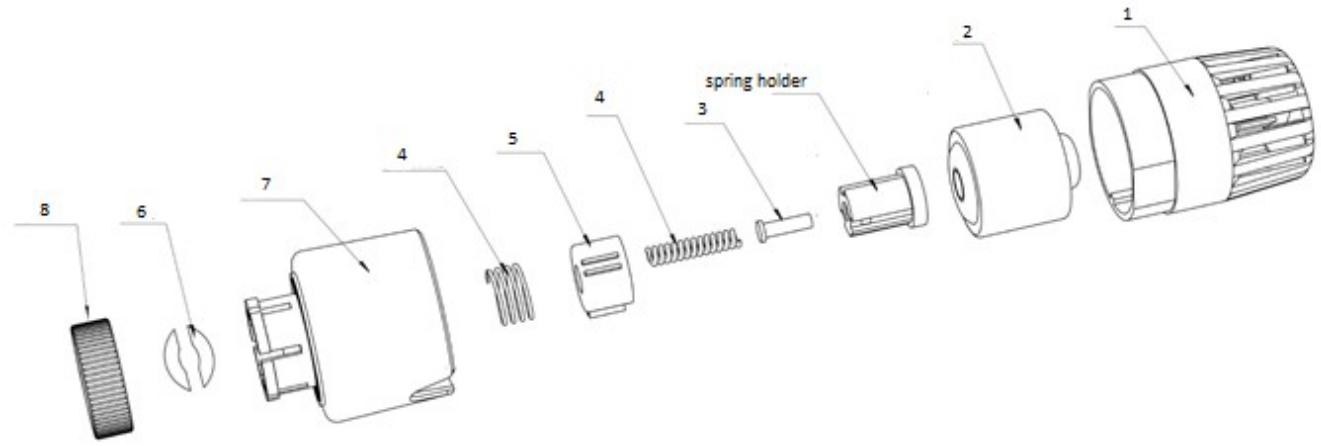
DIMENSIONS



SIZE	VALUE
Diameter, D	47,6 mm
Height, H	81 mm
Nut size, SW	33 mm

DESIGN AND MATERIALS		
1	Body cap	ABS
2	Cistern	Steel construction DC04
3	Pusher	Reinforced nylon
4	Spring	Galvanized steel MN65
5	Pusher seat	Reinforced nylon
6	Pin	Fe
7	Fixed semi-body	ABS
8	Union nut	Brass CW614N
9	Working substance	Ethyl Acetate (C4H8O2)





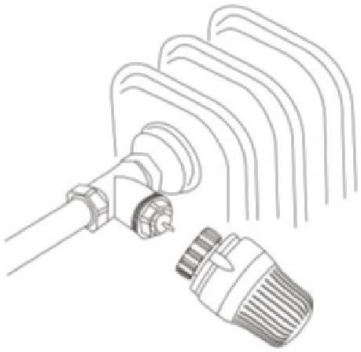
OPERATING PRINCIPLE

The cistern, placed in a plastic fixed half-body, is filled with ethyl acetate. The expansion of the fluid causes the cistern to act on a plastic stem with a spring-loaded plunger. The pusher acts on the stem of the thermostatic valve. The housing cover covers the chamber. With a pin, the user can limit the setting to a given maximum position. The user setting of the valve is made by rotating the movable body cover until the pointer arrow aligns with the required setting position. Turn the handwheel to the "*" position if no one is home. The room is kept at a certain temperature for frost protection.

INSTALLATION REQUIREMENT

1. The thermostatic head must be installed on thermostatic valves manufactured in accordance with HD 1215-2 Part2 and EN 215-1 part1 and having a connection size of M30x1.5.

2. Installation of the thermostatic head on the valve is carried out in the following order:
- remove the manual adjustment head from the thermostatic valve;
- set the setting value "5" on the thermostatic head;
- put the thermostatic head on the valve and manually fix it with the union nut, screwing it up to the stop;
- turn the head to a position convenient for manual adjustment;
- set the position of the scale on the thermal head corresponding to the selected temperature regime in the room (recommended "3");
- if necessary, fix the adjustment position with a retaining ring, protecting it from outside interference.



3. When installing the thermal head, the following rules must be observed:
- the thermal head must not be installed in the zone of direct influence of convective heat flows of the radiator or the supply pipeline;
- correct operation of the thermal head is impossible if it is covered with a screen or a curtain;
- the thermal head must not be exposed to direct sunlight;
- it is recommended to install the thermal head in a horizontal position.

4. Installation of the thermal head on the radiator valve must be carried out with a torque of about 10 Nm. No more.

OPERATION AND MAINTENANCE REQUIREMENTS

1. The thermal head must be operated within the parameters set out in the technical specifications.
2. Disassembly (full and partial) of the thermal head is not allowed.
3. Closing the thermal head with a dry or damp rag, as well as incomplete tightening of the union nut will cause the thermostat to malfunction.
4. Keep debris and insects out of the thermal head body.
5. The body of the thermal head must be periodically cleaned of dust. It is not allowed to use chemical solvents and abrasive materials.
6. When using non-freezing liquids as a heat carrier at an air temperature below +3°C, the thermal heads must be removed from the thermostatic valves.

MANUFACTURER

ZUOYOU GLOBAL BUSINESS LIMITED
Address of production: Shamen Industrial Area, Yuhuan, Taizhou, Zhejiang, China 317607
Country of origin: China