

SERIE 06

Self-acting temperature controllers

For heating and ventilation
2-way and 3-way models

FEATURES

- For different industries, shipyards, municipal engineering, hospitals, dry cleaners
- For heating and ventilation
- 2-way and 3-way models
- Thermostatic temperature controllers are self-acting and require no external power supply
- Can be delivered with different proportional bands fitting any control requirement
- Thermostats can be supplied with three different closing forces:
 - Type V2: 200 N
 - Type V4: 400 N
 - Type V8: 800 N
- Thermostats can be supplied with rod or spiral sensors with threaded or flanged connections. Sensors are made in copper or stainless steel.
- Thermostats are available with setting ranges between -30°C and 280°C.
- Thermostats can be supplied with capillary tubes in lengths up to 21 m in either copper, stainless steel or PVC-covered copper.
- Thermostats can be calibrated to ensure that scale values correspond to the value at the sensor.



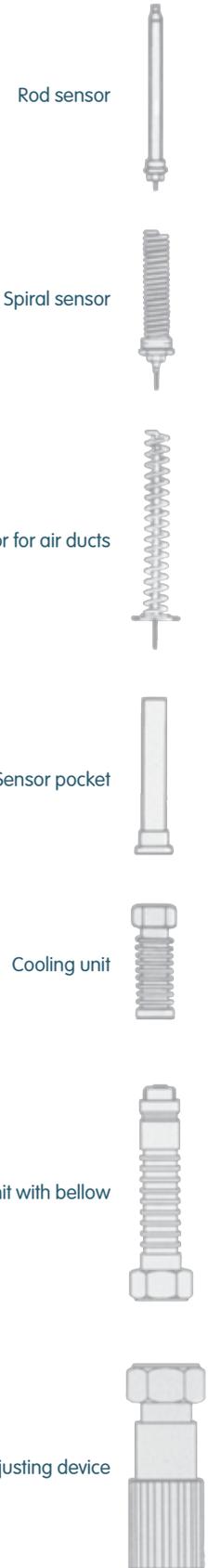
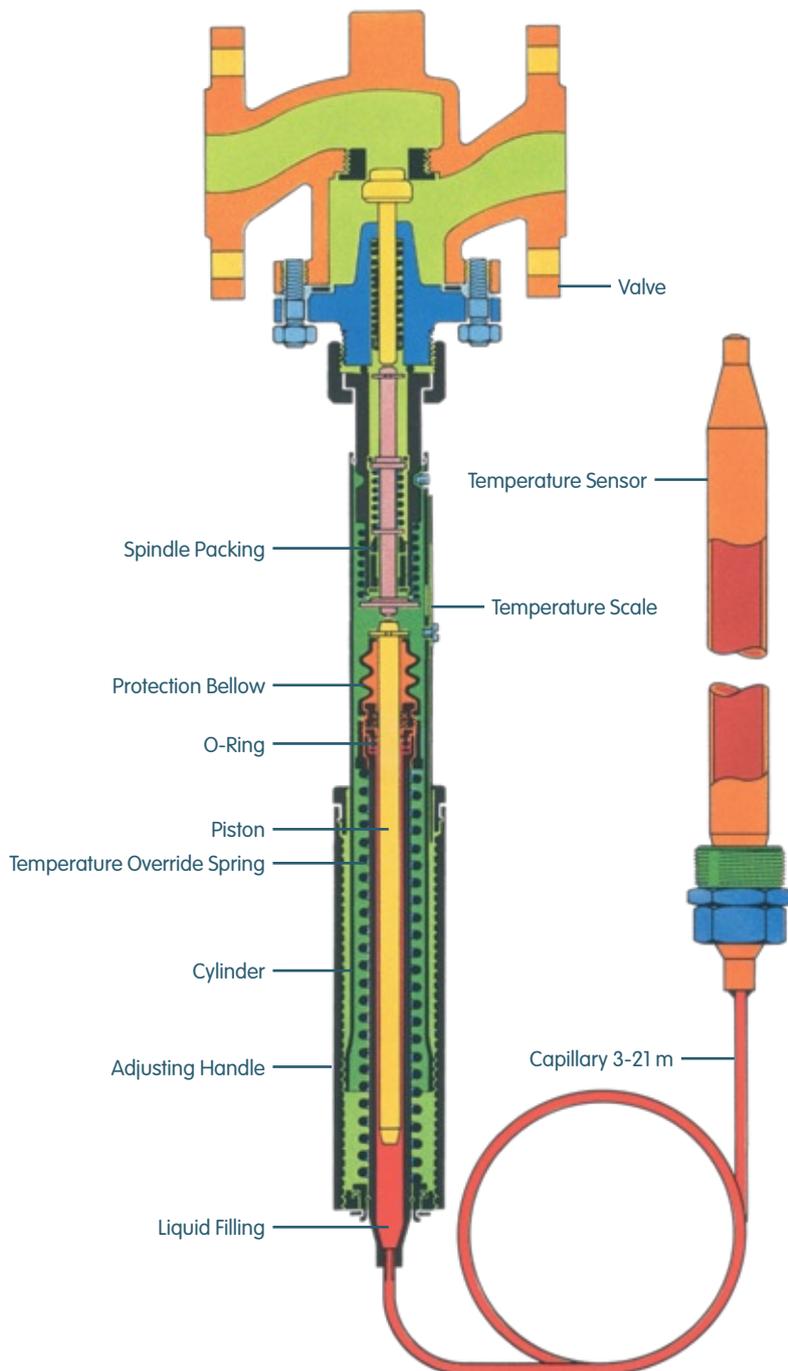
HOW DOES IT WORK?

The thermostatic temperature controller, which consists of a thermostat and a valve, is used for controlling temperatures in central heating and district heating systems, industrial plants or marine systems. It can be used for the control of cold or hot water, steam or oil, in heating or cooling systems.

A thermostat consists of a sensor and a capillary tube filled with liquid, and an adjusting cylinder. The thermostat is self-acting and based on the principle of liquid expansion; it has a sturdy design and operates with a large closing force. The adjusting cylinder of the thermostat is set at the

required temperature for the heated medium in °C. The temperature control is carried out by the thermostatically controlled valve reducing or increasing the flow of the heating (or cooling) medium. If the temperature of the medium to be heated is above the set point, the sensor liquid expands, causing the piston of the thermostat to act upon the valve, reducing the flow of the heating medium.

If the temperature of the medium to be heated is below the required level, the temperature of the sensor liquid falls, reducing the volume of the liquid, so that the piston allows the valve to open under its internal spring, thus increasing the flow of the heating medium.



SELF-ACTING TEMPERATURE REGULATOR SELECTION



MODEL	MATERIAL	SIZE	APPLICATION
-------	----------	------	-------------

2-way control valves with threaded ends

06L1S	RG10	1/2" - 1"	Heating
06L2S	RG10	1" 1/4 - 2"	Heating
06L2SR	RG10	1/2" - 2"	Ventilation



2-way control valves with flanged ends

06M1F	GG25	DN15 - 50	Heating
06G1F	GGG40	DN15 - 50	Heating
06H1F	GSC25	DN15 - 50	Heating



Balanced 2-way control valves with flanged ends

06M1FB	GG25	DN25 - 80	Heating
06G1FB	GGG40	DN25 - 50	Heating
06H1FB	GSC25	DN25 - 80	Heating



Double-seated control valves with flanged ends

06M2F	GG25	DN20 - 150	Heating
06M2FR	GG25	DN20 - 150	Ventilation
06G2F	GGG40	DN20 - 50	Heating
06G2FR	GGG40	DN20 - 50	Ventilation
06H2F	GSC25	DN20 - 150	Heating
06H2FR	GSC25	DN20 - 150	Ventilation



3-way models

06L3S	RG10	1/2" - 2"	
06L3F	RG10	DN65 - 150	
06M3F	GG25	DN25 - 150	
06G2F	GGG40	DN20 - 50	
06H3F	GSC25	DN25 - 50	
06L3FM	RG10	DN200 - 300	
06M3FM	GG25	DN100 - 300	
06G3FM	GGG40	DN100 - 300	