

PRODUCT PREVIEW



USER
FRIENDLY



INTEGRATED
SENSOR



FOR HEATING AND
COOLING 5-90 °C



FAST
COUPLING



NEW P27T3

CONSTANT TEMPERATURE ACTUATOR



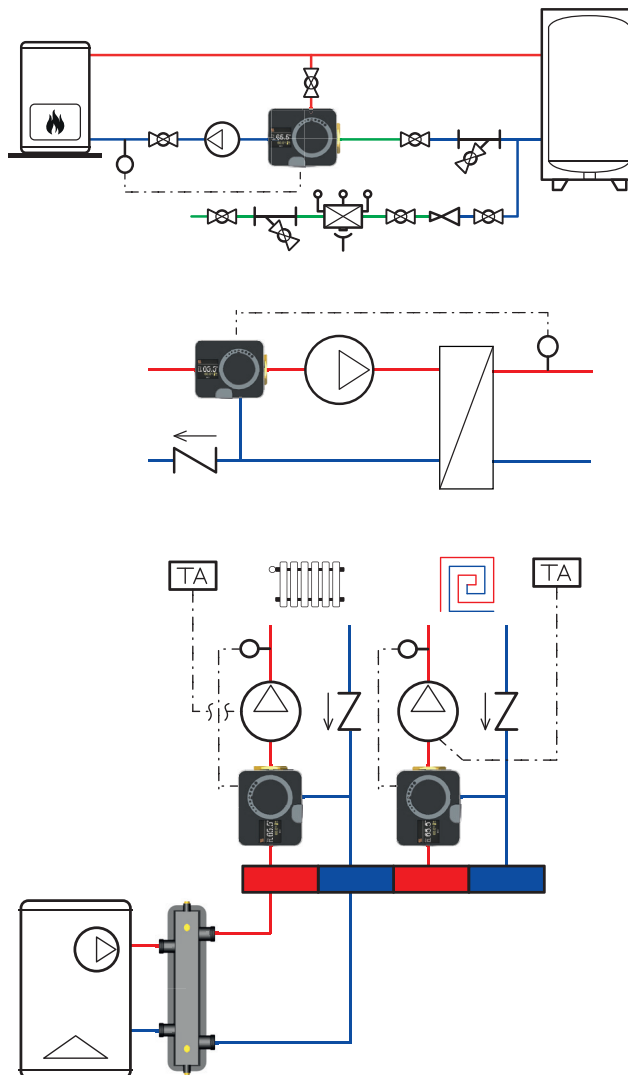
DESCRIPTION

▶ Since the constant temperature actuator P27T2 got out of production, Barberi presents the new version P27T3.

As the previous version, P27T3 actuator is a device used to operate the rotary mixing valves. It can be applied to all Barberi® mixing valves, 3 or 4-ways, apart from flanged mixing valves, and to all the DN 20, DN 25 and DN 32 motorizable groups.

The actuator is equipped with an integrated control which, through a Pt1000 probe, adjusts the water temperature in a fixed point mode within the 5–90 °C range. The device is equipped with supply cable and European standard plug with 2 directly connected poles, integrated Pt1000 temperature probe, mixing valve adaptor and anti-rotation pin.

The fixed point actuator P27T3 allows the regulation at constant temperature of heating and cooling systems, as for example the control of the flow temperature at fixed point, the control of the return temperature to solid fuel generators with anti-condensation function, the fixed regulations on heat exchangers.



The installation is simplified by means of a quick coupling system placed in the lower part of the actuator.

The buttons for setting the working mode are placed under the knob. The actuator is a “plug and play” type: it’s only necessary to install it and connect it to the electrical current. It does not require further controllers as it is already equipped with a probe and all the control parameters can be set using the buttons located under the knob.

If necessary, by pressing the clutch button, the actuator can be set to the manual mode: the operation unlocks the gear system and makes it possible to manually rotate the actuator and the connected valve.

PRODUCT CATALOGUE

P27T3

New

Actuator for mixing valves, rotation angle 90°, for 3 point regulation with integrated probe and temperature regulator. Temperature adjustment range 5–90 °C. Complete with mixing valve adaptor, anti-rotation pin, Pt 1000 probe (0,5 m cable), contact probe holder, integrated Shuko electrical plug (2 m cable).

Temperature adjustment range: **5–90 °C**

Torque: **5 N·m**

Protection class: **IP 42**

Frequency: **50 Hz**

Power consumption: **5 VA**



Code	V	Running time [s]	Nr. poles	Cable [m]		
P27 230 010 T3	230	120	2	2	1	4



HIGHLIGHTS

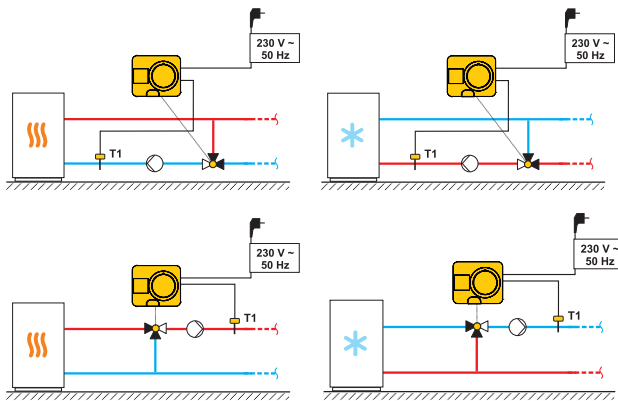
USER FRIENDLY










The buttons under the knob allow to select the working mode in a fast way:

- "heating or cooling" program



- sub program "return temperature control" or "flow temperature control".



Symbol	Description
	Heating.
	Cooling.
	Valve rotation direction counter clockwise.
	Valve rotation direction clockwise.
	Manual operation - the clutch is activated.
	Sensor error.
	Requested temperature.
	Return-pipe temperature.
	Flow-pipe temperature.

BUILT-IN SENSOR

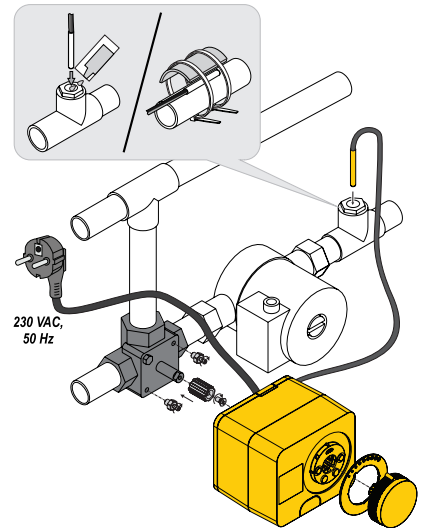
The Pt 1000 sensor is directly connected to the actuator.

5-90 °C ADJUSTMENT RANGE FOR HEATING AND COOLING

The actuator allows to regulate heating and cooling systems by quickly switching from one working mode to the other through the control buttons.

FAST COUPLING

After screwing the adaptor to the mixing valve stem, the actuator is locked to the valve through a fast "click" system, placed on the lower part, without using any further screw.



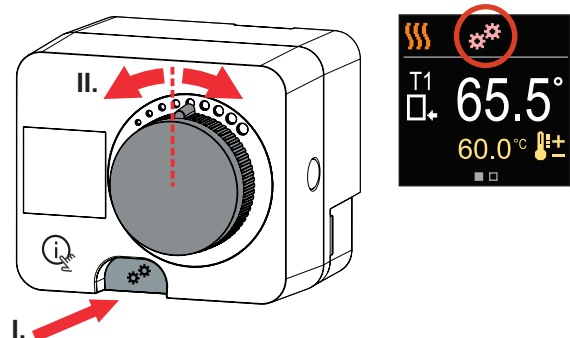
TRADITIONAL CONTROL BUTTONS

The control buttons are placed under the knob to guarantee a better protection. They are traditional "push" buttons to make the parameter setting easier and more intuitive.



MANUAL ROTATION OF THE VALVE

The manual rotation of the valve can be activated by pressing the clutch button (I). The desired position of the mixing valve is obtained by rotating the knob (II). By pressing again the clutch button (I), the manual rotation is deactivated.





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THERMOSTATIC MIXING VALVES
B1



ROTARY MIXING VALVES AND ACTUATORS
B2



REGULATING GROUPS AND HEATING COMPONENTS
B3



COMPONENTS FOR SOLAR THERMAL SYSTEMS
B4



ZONE AND DIVERTING VALVES
B5



AIR VENTS AND DEAERATORS
B6



CHECK VALVES AND FOOT VALVES
B7



FILTERS AND DIRT SEPARATORS
B8



BALL SHUT-OFF VALVES AND COCKS
B9



MONOBLOCKS
B10



FITTINGS
B11

BARBERI
WORLD

MORE THAN REAL

Our products are the visual representation of our mission: satisfying the demands of distributors and installers alike. Even today, after 65 years, our extensive range of valves and components for heating and hot water systems continues to innovate and modernise.