

1. Application

Constant temperature controller ACT 343 ProClick is designed for controlling the temperature of the medium behind the rotary mixing valve. It can be used with 3- and 4-way rotary mixing valves. The controller allows to set temperature settings from 10 to 90°C. Setting of temperature is set using buttons under the knob. Readable colour OLED display interface helps with the to automation and control of the installation.



Fig.1. Constant temperature controller ACT 343 ProClick

2. Description

Constant temperature controller ACT 343 ProClick is integrated into the actuator housing. The controller is equipped with a temperature sensor and electric cable with plug. Controller ACT 343 ProClick replaces two separate devices: the actuator and controller.

Setting of temperature is done by using buttons under the knob and a readable color OLED display interface. It assists with the automation and control of the whole installation. Controller ACT 343 ProClick has an easy-to-use pushbutton which enables switching the controller from automatic to manual mode.

Mounting the controller on the ACT ProClick valve requires only two steps, without the need for any tools or additional parts.

3. Technical data

Parameter	Value/description
Torque	6 Nm
Temperature range	10 ÷ 90°C
Rotation angle	90°
Time to rotate by 90°	120 s
Supply voltage	230 V AC
Ambient temperature range	10 ÷ 50°C
Power consumption	max 3 W
Protection degree	IP42
Dimensions (H x W x D)	85,5 x 97 x 99 mm
Weight	800 g
Operating mode	heating
Length of electric cable	2 m, with plug
Length of probe wire	1 m, with mounting set
Probe dimensions	10 x Ø4 mm
Algorithm	PID

4. Most common applications

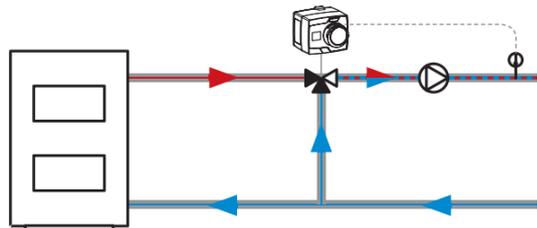


Fig. 2. Mixing two streams with different temperatures on the stand pipe

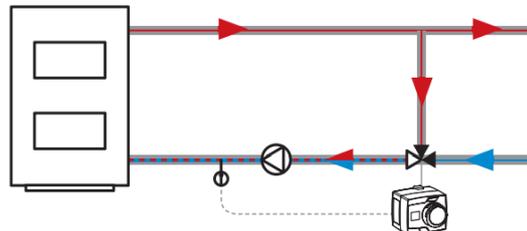


Fig. 3. Mixing two streams with different temperatures on the return pipe

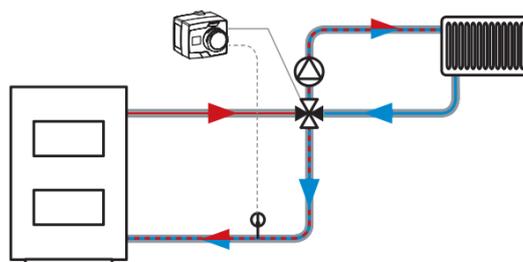


Fig. 4. Mixing two streams with increasing the returning water temperature simultaneously

5. Selection table

Art.-No.	Name / description
15 343 10	Constant temperature controller ACT 343 ProClick

6. Approvals and certificates

Constant temperature controllers ACT 343 ProClick are produced according to directives of the European Union regarding: low-voltage equipment LVD (2014/35/EU), electromagnetic compatibility EMC (2014/35/EU), restricting the use of hazardous substances RoHS (2011/65/EC + Annex II 2015/863/EC) and REACH directive 1907/2006/EC.

Constant temperature controllers ACT 343 ProClick comply also with following standards:
 PN-EN 60730-1:2011,
 PN-EN 60730-2-9:2010, PN-EN 60730-2-11:2008, PN-EN 61000-6-1:2007,
 PN-EN 61000-6-1, PN-EN 61000-6-3:2007 + EN6100-6-3:207/A1:2011.