

Uponor control stations

Uponor control stations push and push Electronic as well as push 45U are pump and shunt groups designed to be used during installation of Uponor radiant heating systems.

Uponor push 12, 15A/22A and 45U provides a constant supply line temperature, while Uponor push 15A/22A Electronic is equipped with an outdoor temperature compensation function.

The circulation pump in the secondary circuit, is automatically controlled by the differential pressure. The speed of the pump is controlled to match the actual conditions in the radiant heating system. This means that there is, in general, no need for a by-pass in the secondary circuit.

Basic design, with a constant supply line temperature, this temperature is governed by an automatic thermostat with a sensor fitted after the circulation pump.

The thermostat is continuously variable within the range 20–55 °C.

An integrated balancing valve and return flow inhibitor, located in the by-pass between primary return and primary supply allows to control how much of the return flow from the radiant heating loops goes back to the secondary circuit and primary circuit. Thanks to this it is possible to employ the shunt group even in small-scale systems without a primary pump.

Uponor control stations can supply a radiant heating area with a heat demand of 50 W/m² of

Push 12	15 m ²
Push 15A	95 m ²
Push 15A Electronic	130 m ²
Push 22A	175 m ²
Push 22A Electronic	220 m ²
Push 45U	300 m ²

(for Uponor pePEX Q&E pipes 20 x 2.0 mm, c/c 300 mm, maximum loop length 90 m)

Additional functions of Uponor push 15A/22A Electronic

- Maximum limit of 55 or 40 °C for supply temperature
- Minimum limit of 15 or 25 °C for supply temperature
- Pump control (pump motion 1 min/3 days)
- Anti-freeze protection for heating system
- Manual control of valve motor
- Summer deactivation



NEW PUSH 22A

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