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**Single loop pump
mixer set for
under floor heating**

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Single loop pump mixer set for under floor heating

The UFH-SL11 under floor heating control is ideal for warm water heating of small areas and extensions up to 30 sq.metres.

A solid floor (screed) is recommended but the valve temperature can be adjusted to suit other floor coverings. The valve can be used in conservatories, but with high heat loss during cold weather and limited solar gain, additional heating may be required to achieve the same comfort levels as within an internal room with brick walls.

The control is a compact pre-assembled and pre-wired module designed for ease of installation.

It comprises:

- Integral flow and return ball valves
- Integral thermostat to sense primary circuit is on - allowing auto start/stop of the pump
- 3 speed 6 metre head pump
- Thermostatic blending valve with 30 - 60°C adjustable temperature control. Factory set at 43°C.
- Anti-vibration rubber mounts for silent operation
- Ready to connect to fused mains spur or electric control circuit

Simple principles of operation

The SF11 pump mixer set is an addition to an existing system. The existing radiator pumped system operates under timed control as normal.

The added UFH loop will be controlled by a room thermostat or programmable room thermostat. The live supply to the SF11 will be wired through this thermostat for room temperature control.

Heated water from the CH pumped system migrates through the SF11 control valve, as the thermostat cartridge (preset to blend at 43 - 45°C) will be open for hot water.

The integral SF 11 thermostat will sense the heat increase is and recognise that the primary circuit is on. This then sends a live feed via the room thermostat to the UFH pump, which starts if the room thermostat is calling for heat.

The UFH pump at SPEED 1 draws the temperature blended water through the mixing valve and circulates it through the UFH pipe loop.

As the room reaches the desired temperature, the room thermostat switches off the live feed to the pump and stops circulation.

When the boiler circuit shuts down (under time control), the primary circuit temperature cools and the SF11 integral thermostat switches off the UFH pump.



UFH-SL11
single loop pump mixer Set

Typical installation

