

Question:

How is it ensured that the pump provides sufficient pump head for the radiant heating loops?

Answer:

First, the pump type must be selected according to the pipework calculation.

→ Diagram "available pump head"

The control unit is designed such that the pressure loss in the bypass as well as in the primary circuit (heat source) is significantly higher than the pressure drop in the secondary circuit (radiant heating). In addition, when the injection valve is closed, circulation through the primary circuit is not possible.

→ Diagram "pressure drop"

Can the control unit also be operated without a primary pump?

The control unit is designed for use in combination with a pump in the primary circuit (heat source). Nevertheless, small floor heating installations with a few heating circuits could be supplied without a primary pump. Flow and pressure losses on both the primary and secondary sides must be observed.

→ Diagram "pressure drop"

→ Diagram "available pump head"

Can the primary pump be situated in the return pipe of the primary circuit?

Yes.