

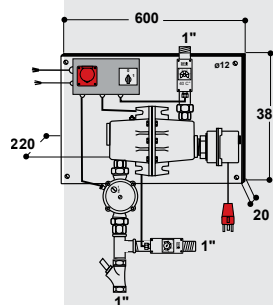
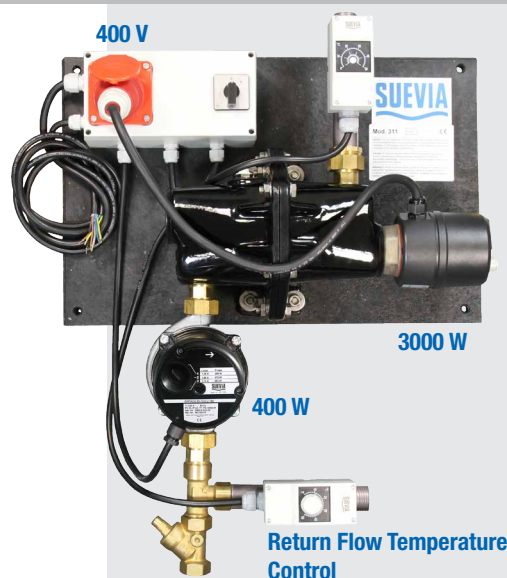


Heating Unit with Return Flow Temperature Control Model 311, 3000 W, 400 V

Ref. 101.0311

- Provides frost-protected water in **insulated water circuits** (¾" or 1" pipe) for circuit length **max. 250 m**
- Designed for use in exposed locations and free stalls especially for cattle, horses, pigs and sheep. Animals are provided with water in a reliable way, even in very frosty conditions.
- Cage of heating element in premium cast iron, enamelled
- Heating unit Model 311 is equipped **with one 3000 W, 400 V heating element** and a **high-capacity circulation pump with stainless steel base (230 V, 400 W)**
- The unit is factory-mounted on a plate and ready for installation. Water connections are hold in 1".
- **With return flow temperature control:** Desired return water flow temperature is regulated by a sensor mounted on the return flow pipe. If return flow water temperature is lower than the adjusted value, the heating element will be automatically switched on.
- Heating element is thermostatically controlled and equipped with an overheating protection (STC)
- Scope of delivery includes vent-valve, pressure relief valve, non-return valve, and non-return flap
- Two residual-current devices 30mA have to be provided by the customer. They serve to secure the pump and the heating element in a separated way.

Ref.	Type	Packing Hints
101.0311	Heating unit Mod. 311, 400 V, 3000 W, pump 400 W	1 piece/box
101.0309	Flow control ¾"	1 piece
101.0310	Flow control 1"	1 piece
101.0308	Alarm system for water circuits	1 set/bag



included in scope of delivery:



Alarm System for Water Circuits

Ref. 101.0308

Consists of a thermostat and a signal horn, 230 V. It has to be installed separately from the heating unit, in the stable at the water circuit pipe. When temperature falls e.g. under adjusted +5°C, the alarm signal is activated informing about a drop in temperature!

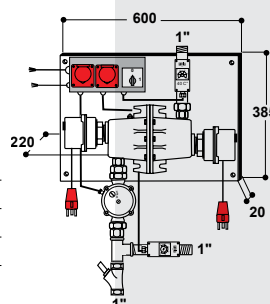
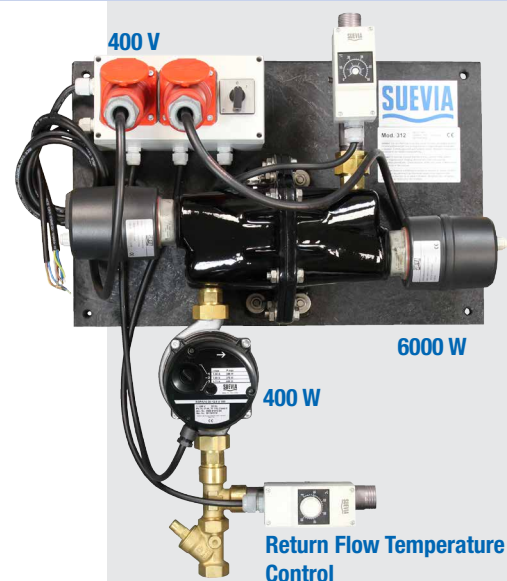


Heating Unit with Return Flow Temperature Control Model 312, 6000 W, 400 V

Ref. 101.0312

- Provides frost-protected water in **insulated water circuits** (¾" or 1" pipe) for circuit length **max. 350 m**
- Designed for use in exposed locations and free stalls especially for cattle, horses, pigs and sheep. Animals are provided with water in a reliable way, even in very frosty conditions.
- Cage of heating element in premium cast iron, enamelled
- Heating unit Model 312 is equipped **with 6000 W (2x 3000 W, 400 V heating elements)** and a **high-capacity circulation pump with stainless steel base (230 V, 400 W)**
- The unit is factory-mounted on a plate and ready for installation. Water connections are hold in 1".
- **With return flow temperature control:** Desired return water flow temperature is regulated by a sensor mounted on the return flow pipe. If return flow water temperature is lower than the adjusted value, the heating element will be automatically switched on.
- Heating elements are thermostatically controlled and equipped with an overheating protection (STC)
- Scope of delivery includes vent-valve, pressure relief valve, non-return valve, and non-return flap
- Two residual-current devices 30mA have to be provided by the customer. They serve to secure the pump and the heating elements in a separated way.

Ref.	Type	Packing Hints
101.0312	Heating unit Mod. 312, 400 V, 6000 W, pump 400 W	1 piece/box
101.0309	Flow control ¾"	1 piece
101.0310	Flow control 1"	1 piece
101.0308	Alarm system for water circuits	1 set/bag



included in scope of delivery:

