



JEVITHERM 3000

JEVITHERM 3000 is an electrical heating element for frost protection of indoor and outdoor livestock drinking systems. It is also ideal for increasing drinking water temperatures for such uses as pig breeding.

JEVITHERM 3000 is a complete unit consisting of a 3000 W heating element, circulation pump, switch, thermostat, overheating protection and non-return valve. All components for controlling JEVITHERM 3000 are enclosed in a sealed, painted cabinet with encapsulation class IP44, with brackets ready for mounting on a wall.

The thermostat is adjustable within a range of 0-40°C, and the unit is fitted with a 3-stage water circulation pump. Both components allow optimised energy consumption, regardless of system size. The non-return valve is fitted on JEVITHERM 3000's return circuit to ensure that cold supply water does not run back into the pipe system when the system is in use.

JEVITHERM 3000 is supplied with a 1 metre connection cable and electrical connection is simple, using 3 x 400 V + neutral or 230 V (16 A), depending on what is available on site.

Connection to existing water supply and circulation pipe uses a 3/4" pipe thread.

Connection to the existing supply grid must be performed by an authorised installer.

DIMENSIONERING

Heat loss from the pipe determines how many metres of pipe can be fitted to JEVITHERM 3000.

Guideline heat loss values:

- 3/4" steel pipe, non-insulated: 33W per metre pipe, max. length total 90m
- 3/4" steel pipe, 10 mm insulation: 12W per metre pipe, max. length total 250m

- 3/4" steel pipe, 20 mm insulation: 8W per metre pipe, max. length total 370m
- Plastic pipe with internal diameter of 22 mm, approx. same heat loss per metre pipe.
- 1" steel pipe, non-insulated: 40W per metre pipe, max. length total 75m
- 1" steel pipe, 10 mm insulation: 14W per metre pipe, max. length total 215m
- 1" steel pipe, 20 mm insulation: 9W per metre pipe, max. length total 330m
- Plastic pipe with internal diameter of 28 mm, approx. same heat loss per metre pipe.

The above values are based on a water supply temperature of 6°C, and outdoor temperature of -20°C.

If longer pipes are needed, an extra JEVITHERM 3000 can be inserted, doubling the pipe length.

ACCESSORIES

Item no.	Description
09016098	Screen, painted steel, beige
11010857	Safety unit, 3/4" non-return valve and 8 bar pressure relief valve
11010865	High pressure vacuum valve 1/2" brass, max. 32mm dia. distribution pipe

