



PREMIUM-THERME - System description

The PREMIUM-THERME – with a width of 500 mm and a length of 600 mm – is a warm-water heating for piglet nests which provides a perfect and homogenous heat distribution in the nest. It combines all the positive characteristics of a modern warm-water panel.

A steel pipe made of stainless steel and resistant to gas diffusion warms up the hollow chamber which has to be filled from the top with appr. 8 litres of water. The water is only used for the heat transfer from the stainless steel pipe to the surface of the heating panel. The slightly curved surface with slip-resistant bars offers not only a perfect hold but also a pleasant lying comfort for the piglets. The PREMIUM-THERME's ideal thermal insulation to the ground is achieved by an integrated air cushion. That means, an additional insulating mat is not necessary. Thanks to its size, the heating panel offers a wide range of installation options be it in farrowing pens or in piglet nursery rooms.

The PREMIUM regulation units 2 and 4 supplied by us have been adapted, in their way of functioning, to the PREMIUM-THERME piglet nest heating.

Technical details:

Dimensions:	500 mm wide x 600 mm long
Material:	Polypropylene, pipelines resistant to gas diffusion
Power consumption:	100 Watts , at a room temperature of 20° C, per panel (see DLG Test Report 5833F dd. 10/2008)
Max. temperature:	Flow temperature: 50° C
Water supply:	Plastic plug-in pipe system with Ø 22mm and Ø 15mm

PREMIUM Regulation unit

PREMIUM Regulation unit 2:	2 circuits
PREMIUM Regulation unit 4:	4 circuits

High-efficiency pump

Electrical connection:	1 ~230 V, 50/ 60 Hz
Max. delivery head:	7,3 m
Max. volume flow:	3,3 m³/h

Laying and installation

The heating panels are placed into the crates and then connected, below the PREMIUMFLOOR panels, by means of plug-in elements usual in trade, e.g. ARATO-Rohrsteck®. They can be arranged in parallel, in tandem, in U- or in L-form. In order to guarantee a hygienic surface, the distance to the wall should be at least 10 cm.

The pipelines are mounted onto the wall and fastened by means of cable ties below the panels. The pipelines to the heating panels are led from the regulation units outside the compartment through the wall into the manure channel. In order to avoid damage, the pipelines in the wall duct have to be protected. All the pipelines of a compartment are led centrally from the compartment into the corridor area to the PREMIUM regulation unit. In order to avoid losses of heat and to achieve a perfect thermal usage of the heating panels in the compartments, we recommend insulating inbound and outbound pipes.

First filling

Screw off black screw joints in the middle of the heating panel.
Use clean mains water to **slowly** fill the panel so that air can escape.
Heat up the pipes and screw in the screw joints once you have reached the operating temperature.

Important notes

- Only use corrosion-resistant material for the entire circuit.
- Insulate the supply lines in order to avoid possible losses of temperature.
- Only use pipe cutters for shortening the pipes.
- Fill the circuits only with mains water or filtered well water.
- PREMIUM-THERME is a heating for piglet nests and not a room heating system.
Body contact transfers the heat to the animals.

Warranty

Our General Terms and Conditions, which you can find in www.premium-flooring.de under the button **Imprint**, will be applicable. In addition, our general conditions on delivery, laying and mounting, under the button **Useful Tips**, are applicable as well.

