

DLG-Test report No.4898*



“Poly” - heat pads

(Energy saving heat pads with warm water)

[start](#) / [permanent](#)

Models:

| | | |
|------------------------|----------------------|----------------------|
| Poly-Mix 400/W | (400 x 1200 x 35 mm) | 150 W / 75 W |
| Poly-Top 450/W | (450 x 1350 x 35 mm) | 180 W / 90 W |
| Poly-Mix 500/W* | (500 x 1200 x 35 mm) | 180 W / 90 W |
| Poly-Top 515/W | (500 x 1500 x 35 mm) | 220 W / 110 W |

Heat pad construction:



picture: Poly-Top 500/W + 515/W

Internal Polymere-concrete centre with "4-fold" resp. "5-fold" copper or s/s- pipe system (diffusion sealed with 12 mm internal diameter / 14 mm outside diameter). Heat loss on the underside is prevented by an internal PU-foam insulation. The heat pad is completely covered with a hard wearing polyester coat, strengthened with fibre glass (polyester-resin).

Application:

Stall-Ring Flooring-Systems in farrowing pens and weaner decks.

Installation info:

Max. 8 warm water heat pads per water circuit. Diffusion sealed pipe connectors, ex. PEX-Pipe 15 mm with an internal diameter of 12 mm.

No heat exchanger is required.

Layout:

"Parallel" and "parallel or across" the support bars.

Connections:

1/2" fittings with male thread
(2 x diagonal in the underside of the pad)

Water supply temperature:

up to max. 60° C

Water supply flow rate:

0,4 – 1,2 meter /sec.

Water supply:

approx. 500 l /h per row

Pressure loss:

approx. 300 mm - 375 mm WG
(400x1200 mm = 300 mm / 500x1200 mm = 330 mm / 500x1500 mm = 375 mm)

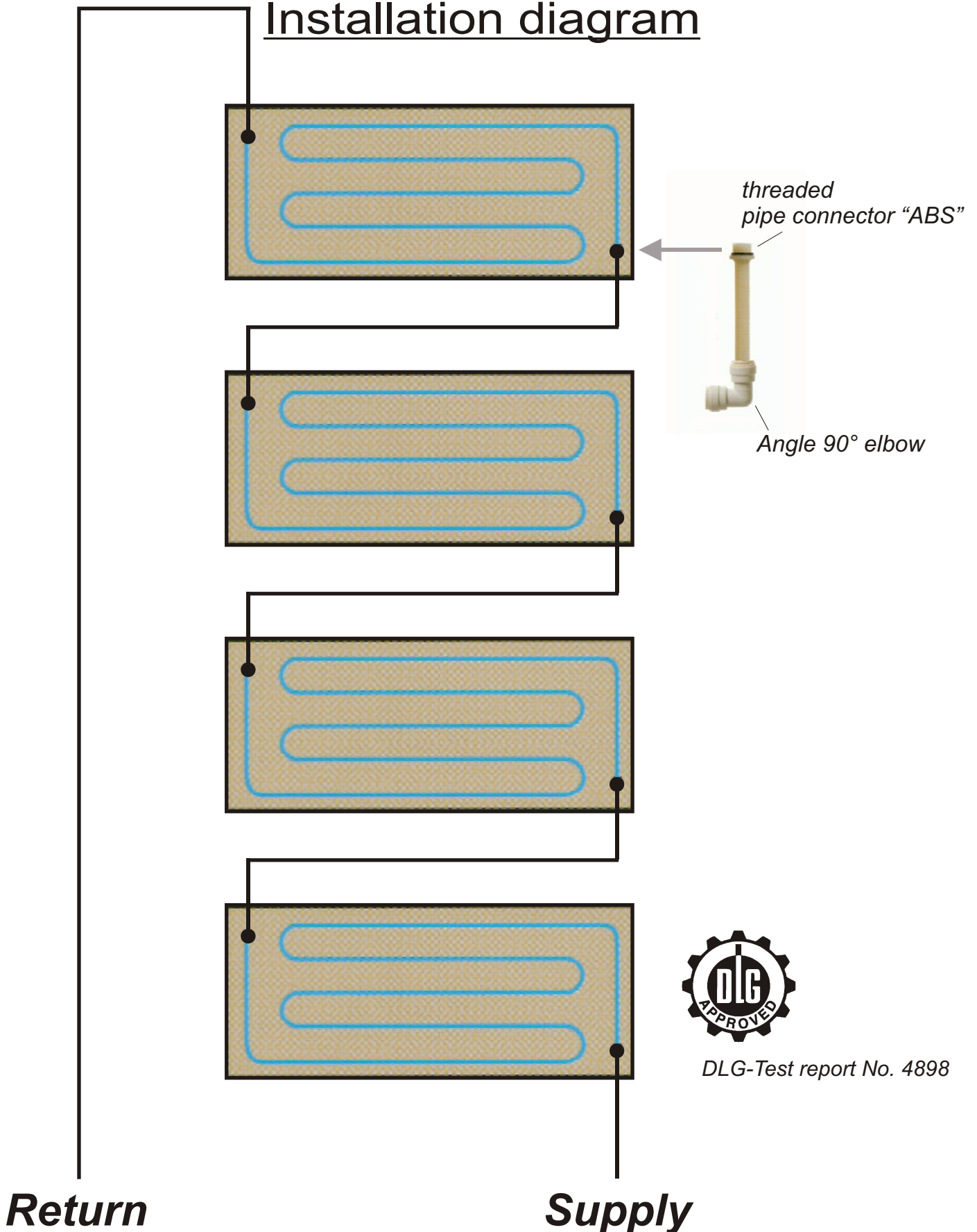
Max. static load:

300 kg / heat pad (short time)

“Poly-Top” heat pad **(warm water)**



Installation diagram



DLG-Test report No. 4898

Maximum 8 warm water heat pads per water circuit.