



DLG-Test report No.4898\*



## **“Poly” - heat pads**

(Energy saving heat pads for warm water)

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

### **Models:**

<b>Poly 400/W</b> (400 x 1200 x 35 mm)	<b>150 W / 75 W</b>
<b>Poly 450/W</b> (450 x 1350 x 35 mm)	<b>180 W / 90 W</b>
<b>Poly 500/W*</b> (500 x 1200 x 35 mm)	<b>180 W / 90 W</b>
<b>Poly 515/W</b> (500 x 1500 x 35 mm)	<b>220 W / 110 W</b>
<b>Poly 600/W</b> (600 x 1200 x 35 mm)	<b>220 W / 110 W</b>

### **Heat pad construction:**



Poly 400/W + 450/W = 4 tubes  
 Poly 500/W + 515/W = 5 tubes  
 Poly 600/W = 6 tubes

Internal Polymere-concrete centre with 4-6 pieces of copper or s/s-tubes (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:**

2 x fittings ½" with internal thread in underside pad.  
 • diagonally in Poly 450/W, Poly 500/W, Poly 515/W  
 • endside in Poly 400/W, Poly 600/W

### **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

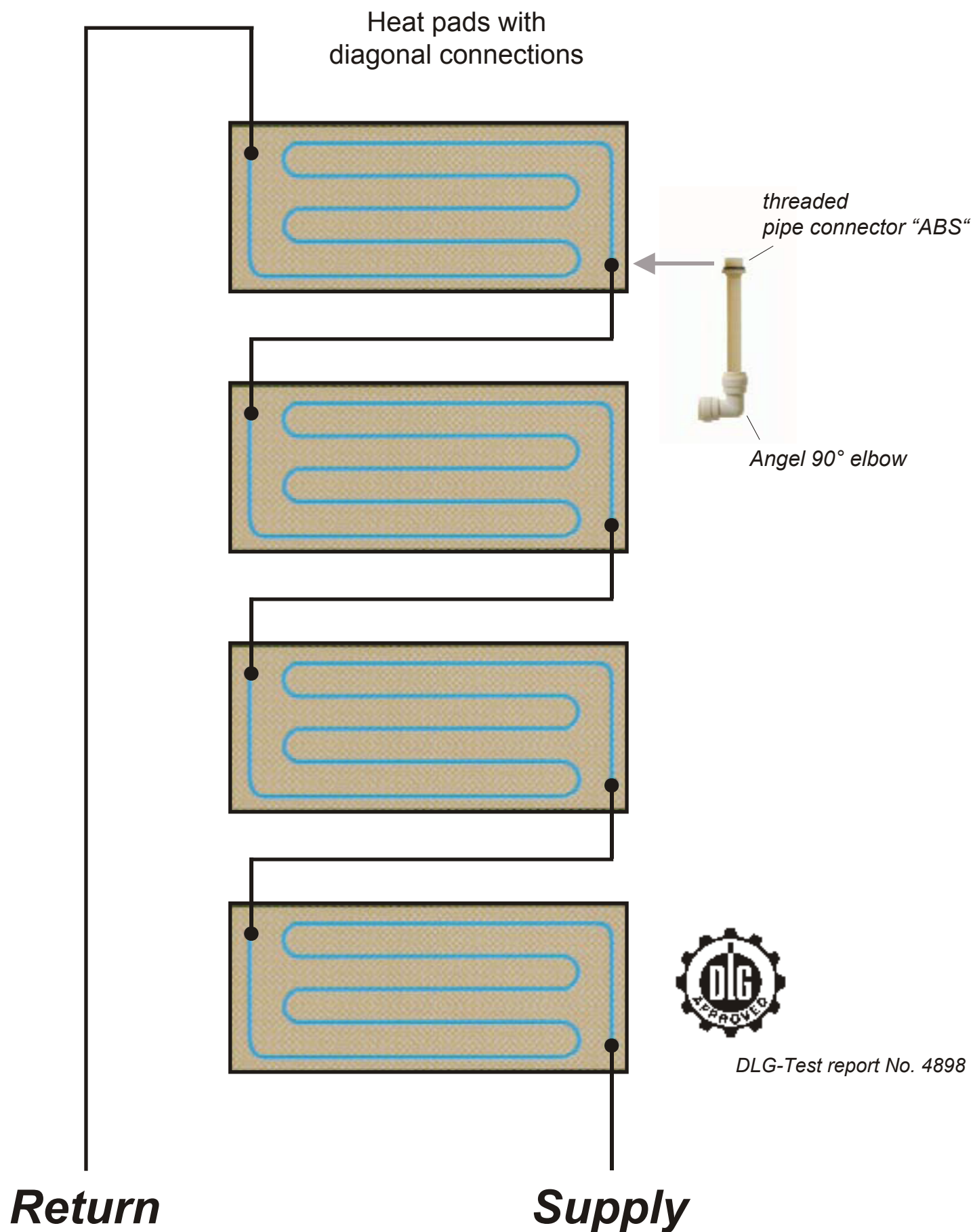
400x1200 mm = 300 mm / 500x1200 mm = 330 mm / 500x1500 mm = 375 mm / 600x1200 mm = 375 mm

### **Max. static load:**

300 kg / heat pad (short time)

# ***Poly - heat pads***

***(Installation diagram for warm water)***



*DLG-Test report No. 4898*

*Maximum 8 warm water heat pads per water circuit.*