

# PP heater pipe (corrugated)



Corrugated heater line is made from polypropylene and is used as a heater line on, for example, growing racks or in/on the ground as soil/root heater. By supplying the heat where it is needed, for example to the roots, the room heating temperature can often be reduced, allowing costs to be saved. The raw materials for this pipe are 100% virgin materials. This makes the pipe resistant to higher temperatures. We recommend using the pipe up to 50°C, as this prolongs the service life. Thanks to the mix with carbon, this pipe has a good resistance to UV radiation. This line can also be suspended. These lines are also increasingly being used to heat cold water using sunlight.

## APPLICATION

Heater line on, for example, growing racks or in/on the ground as soil/root heater

## CHARACTERISTICS

- ✓ Large wall surface area / heat transfer
- ✓ Thin wall, allowing a better heat exchange between water and air
- ✓ Easy to install

## TECHNICAL DATA

Material	: PP (polypropylene)
Outside diameter	: 25 mm
Inside diameter	: 20.2 mm
Coil length	: 500 meter
Rec. working pressure	: 1 bar
Rec. working temp.	: 50°C
Max. pressure	: up to 3.5 bar (see table)
Max. temperature	: 65°C (with decreasing max. pressure)
Pressure loss indication	: 0.3 bar / 100 meters
Minimal bend radius	: 500 mm
Max. support spacing	: 2 meters (to support the weight of the water)
Special feature	: This line is not diffusion-tight, the PP wall is permeable. Oxygen i.a. can thus pass through the wall. We recommend protecting the central heating installation against oxygen by using e.g. a stainless steel heat exchanger.

## Maximum pressure and heat diffusion

Water temperature (°C)	Working pressure (bar)	Heat diffusion (Watt/m)*
40	0,5 – 1,5	23
50	0,5 – 1,25	37
60	0,5 – 1,0	52

\* Based on a room temperature of 15°C

## INSTALLATION & MAINTENANCE

We recommend the GF or Supreme compression joints with lip ring for connecting the lines.