Pressure-pipe heat exchanger

The waste water flows through the main pipe and is used as a source of energy. Heat is extracted or discharged by means of a special double jacket around the entire circumference of the pipe. The main pipe is laid out according to the pressure rating in accordance with PED (EN13445 / AD-2000). The pressure pipe heat exchanger is suitable for energy recovery in new pressure pipes or as a replacement for existing pipes.

Technical data

Material: Stainless steel 1.4404, 1.4571
Jacket: insulated, PE mantle
Segment lengths: 2 – 6 metres
Application: Suitable for heating and cooling
Area of use: Waste water, drinking water, liquids of all kinds containing solids
Installation places: Underground or laid in the open air

Heat exchanger performance (heating)

Main pipe diameter
- 200 mm  1.6 kW / m
- 400 mm  3.2 kW / m
- 600 mm  4.8 kW / m
- 800 mm  6.3 kW / m

Assumptions
- Temperature at source  13 °C
- Inlet temperature  6 °C