

ThermoGenius™ Water ST

The flexible renewable energy heat exchanger

Description

ThermoGenius™ Water heat exchangers extract energy from surface water and use it in combination with a heat pump to heat or cool buildings.

The **ThermoGenius™ Water ST** was developed specifically for flexible usage. It complements the existing series by offering flexible use on land.

Due to its compact design, the **ThermoGenius™ Water ST** can be fixed easily and safely. Through the standardized design, output performance can be added to the ST1 to ST3 types if required. The reverse flow principle ensures high dynamic heat transfer of the water volume maximizing system efficiency.



ThermoGenius™ Water ST1 – ST2 – ST3

Advantages

- Easy to install
- Easy to maintain – can be disassembled
- High level of efficiency
- Sustainable and environmentally friendly
- Suitable for polluted water
- Individual power adjustment

Examples of use

- Mine and spring water
- Discharge systems
- Grey water
- Bypass of rivers and canals
- Water course abstraction

Technical Data

	ThermoGenius™ ST1	ThermoGenius™ ST2	ThermoGenius™ ST3
Dimensions in mm	ϕ 200x1250	ϕ 200x1800	ϕ 200x3000
Material	PE-HD		
Operating temperature range in °C	-10 °C bis +40 °C		
Max. operating pressure at +20°C in bar	5,2		
Exchange area in m ²	7,8	12,5	22,9
Heat extraction rate in kW at a water temperature of 4°C	6	12	18