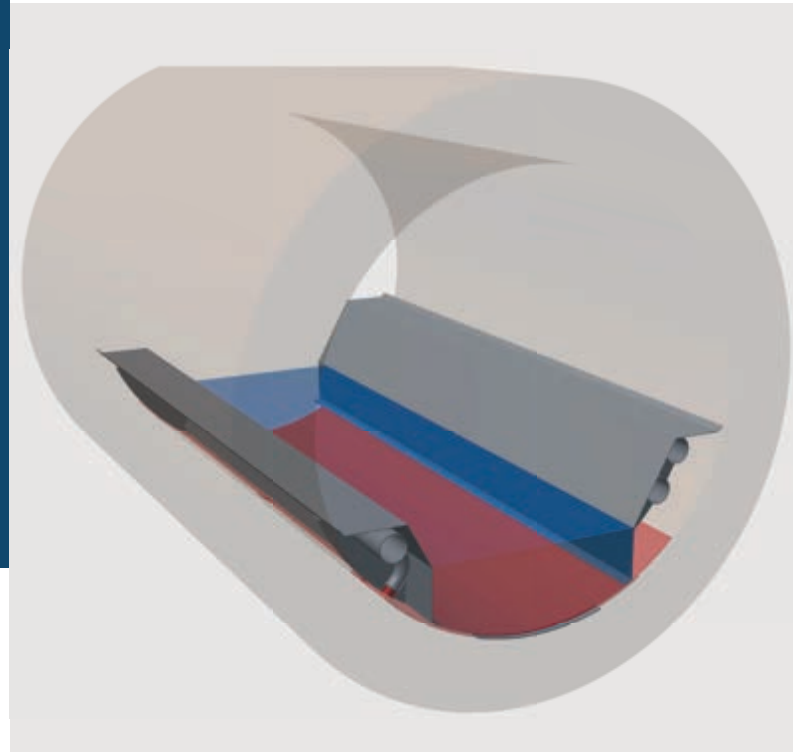


# Sewer heat exchangers

## KASAG Sewer

The waste water in the sewage channel is used as a source of energy. The heat exchanger elements can be retrofitted in existing sewers or installed in new sewers. Heat is extracted or discharged via the heat exchanger surfaces over which the water flows. Sewer heat exchangers are suitable for energy recovery in sewage channels with a wide variety of cross-section geometries. Their modular structure allows individual solutions for different applications. In order to minimise installation times, pre-assembled heat exchanger elements are used.



### Technical data

Material	Stainless steel 1.4404, 1.4571
Material pipes	Stainless steel 1.4404, 1.4571 or PE
Segment lengths	1–3 metres
Application	Suitable for heating and cooling
Area of use	Waste water
Installation places	for existing or new waste water channels

### Heat exchanger performance (heating)

Tube diameter	
1200 mm	3.2 kW/m
1400 mm	3.7 kW/m
1600 mm	4.2 kW/m
1800 mm	4.8 kW/m
2000 mm	5.3 kW/m

### Assumptions

Waste water temperature	13 °C
Inlet temperature	6 °C
Wetted surfaces	120° of the circumference

