

Technical Data Sheet

GWE Duplex borehole heat exchanger RC



Product description:

The duplex borehole heat exchanger for the production of geothermal energy with two brine circuits.

Product properties:

- Material: PE 100 RC, SDR 11
- Connection type: to be processed with the usual welding methods: butt and socket welding.



Advantages:

- High stress resistance and point load resistance
- Exchanger foot with shock-proof protection for optimum protection when installing the exchangers in the bore hole and integrated holding fixture for steel weight or installation rod
- Our borehole heat exchangers made from PE 100 RC are externally audited acc. HR 3.26 by IMA Dresden and certified by SKZ Wuerzburg.

Technical data:

Material	Polyethylene 100 RC
Standard Dimension Ratio (SDR)	11
Nominal pressure (PN)	16 bar
Density	0.96 g/cm ³
Point load resistance (PLT)	> 8760 hours ¹⁾
Stress cracking resistance	> 3300 hours ¹⁾
Exchanger foot diameter	da 32 = 100 mm da 40 = 130 mm
Exchanger pipe dimensions	da 32 x 3.0 mm da 40 x 3.7 mm

¹⁾ according to PAS1075

Delivery format:

- Lengths from 50–150 m in 10 m increments, special lengths available on request