



GEROtherm®-RT

Geothermal probe for elevated temperature and stress crack resistance made from PE100-RT-RC*

* Geothermal probes made from PE100-RT-RC constitute a protected technology.
Patent No. CH 717 800 A2.



GEROtherm®-RT: the geothermal probe for elevated temperature and stress crack resistance made from PE100-RT-RC*

Applications

For applications where the operating temperature of the geothermal probe exceeds 40°C.

Construction

The probe pipes are made entirely of PE100-RT-RC*. The proven geothermal probe foot (u-bend) is also made of PE100-RT-RC*.

Features

- Made of PE100-RT-RC* for elevated temperature loads. RT (RT = raised temperature) stands for higher temperature resistance and RC (RC = resistance to crack) stands for increased stress crack resistance.
- All GEROtherm® geothermal probe types in the available pressure stages are available with PE100-RT-RC* as **-RT** version (**DUPLEX**, **VARIO** and **FLUX**)
- The core pipes of all GEROtherm® geothermal probe designs are available with PE100-RT-RC* in the **-RT** version (**-REX** and **-FIT**)
- Optimum heat transfer and performance comparable to PE100-RC
- 100% plastic solution, making it corrosion-resistant; sections can be recycled by grade of plastic
- Coil dimensions and installation conditions match those of the corresponding types and designs of geothermal probes
- Each individual geothermal probe foot comes with a factory certificate and serial number in accordance with EN 10204 2.2
- No need for on-site welding in accordance with SIA384/6 and VDI 4640
- DIN EN 12201-2, DIN EN ISO 22391
- Protected technology, patent pending (No. 01073/20)
- Maximum operating temperature (short-term) = +95°C¹⁾

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- 1) The expected durability of the material depends on the duration and temperature of use and on internal pressure. The load limits are calculated based on the cumulative damage rule (Miner's rule) in accordance with SN EN ISO 13760 (for an object-specific definition, the annual frequency temperature profile and the internal pressure must be specified).