

**GEROtherm® VARIO-REX, the conical, pressure loss-optimised
and complete diffusion-tight geothermal probe de 40 mm
up to PN20**

Fully factory pre-assembled double U geothermal probes with GEROtherm® pipe made of PE100-RC (with significantly increased crack resistance), black, tapered inner pipe to reduce pressure loss with wall thickness from 3.7 to 4.5 mm, pressure level depending on depth **up to PN20 internal pressure stable** and increase of the buckling pressure during the pressing process. With a diffusion barrier and a protective jacket (1–1.5 mm). Proof of suitability for installation without a sand bed (required minimum service life FNCT of > 8,760 hrs for each raw material batch, test conditions: 80°C, 4 N/mm², 2% Arkopal N-100). The completely diffusion-resistant geothermal probe meets the diffusion requirements of SIA 384/6.

Injection-moulded and diffusion-resistant probe foot **PN25** for the geothermal field. Flow deflection in the probe foot without cross section narrowing; flow resistance <10 mbar at 1 m/s. Sand/gravel collection container integrated in the probe foot. Two ribs are integrated in the collection container which reduce jamming of the measuring float. This enables problem-free usage of measuring bodies. Patent No. EP 2 395 301. Weld seams made in accordance with DVS, quality monitoring in accordance with the directive HR3.26 of the SKZ Würzburg plastics centre for pipes, welding and deflection (system specification). SKZ certified and monitored. SKZ certificate No. A278. Compliant with the specifications and requirements of the seal of approval for geothermal probe drilling companies (D-A-CH). Abrasion-resistant geothermal probe pipe labelled as geothermal probe pipe with forward and return meter count including production date/batch/flow direction display for forward and return.

Factory tested with individual test certificate

Delivery form: Coils on pallets

This innovative geothermal probe is patented.

Patent No.: EU 3 450 878 and EP 2 706 308

Probe pipe dimensions: 40 × 3.7 ... 4.5 mm, protective jacket: 1–1.5 mm

Probe length: m

Art. No.:

Quantity Units