

**GEROtherm® FLUX, the conical, safety- and pressure loss-optimised geothermal probe de 43 mm up to PN32**

- Fully factory pre-assembled double U geothermal probes with GEROtherm® pipe made of PE100-RC (with significantly increased crack resistance) and PA, black/yellow, all-plastic solution (no use of metals, completely corrosion-resistant), **tapered inner pipe to reduce pressure loss** with wall thickness from 3.5 to 6.5 mm, pressure level depending on depth **up to PN32, internal pressure stable** and thus increased **buckling pressure resistance** for a safe pressing process. Installation diameter 121 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/mm<sup>2</sup>, 2% Arkopal N-100).
- Specially developed, safety-optimised, injection-moulded probe foot, yellow, made of PA with **40 bar** internal pressure stability. 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 guide ribs for the use of measuring floats are integrated in the collection container. This enables problem-free use of all known measuring bodies. Weld seams made in accordance with DVS.
- The GEROtherm® probe foot is developed for the optimal combination with the GEROtherm® weight system. The GEROtherm® weight components can be combined in a manner that is simple, safe, saves time and requires no tools. It is also possible to attach external weights.
- The entire geothermal probe has been **tested** and **monitored** according to **HR3.26 guideline of the SKZ Würzburg** plastics centre for pipe, weld and deflection (system specification). SKZ certificate No.: A724
- 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, production date/batch as well as **flow direction display** for forward and return.
- Factory tested with individual test certificate
- The geothermal probe and sections of it are fully recyclable owing to the all-plastic solution.
- Delivery form: Standing coils on pallets
- ♻ **Recycling:** the probe material is sorted and completely recyclable.
- This innovative geothermal probe is patented.  
Patent No.: EP 2 706 308.












Probe pipe dimensions: d 43 x 3.5–6.5 mm

Probe length: ..... m

Art. No.: .....

Quantity ..... Units

## GEROtherm® FLUX, the conical, safety- and pressure loss-optimised geothermal probe de 53 mm up to PN38

-  Fully factory pre-assembled double U geothermal probes with GEROtherm® pipe made of PE100-RC (with significantly increased crack resistance) and PA, black/yellow, all-plastic solution (no use of metals, completely corrosion-resistant), **tapered inner pipe to reduce pressure loss** with wall thickness from 4.3 to 9.2 mm, pressure level depending on depth **up to PN38**, **internal pressure stable** and thus increased **buckling pressure resistance** for a safe pressing process. Installation diameter 121 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/mm<sup>2</sup>, 2% Arkopal N-100).
-  Specially developed, safety-optimised, injection-moulded probe foot, yellow, made of PA with **40 bar** internal pressure stability. 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 guide ribs for the use of measuring floats are integrated in the collection container. This enables problem-free use of all known measuring bodies. Weld seams made in accordance with DVS.
-  The GEROtherm® probe foot is developed for the optimal combination with the GEROtherm® weight system. The GEROtherm® weight components can be combined in a manner that is simple, safe, saves time and requires no tools. It is also possible to attach external weights.
-  The entire geothermal probe has been **tested** and **monitored** according to **HR3.26 guideline of the SKZ Würzburg** plastics centre for pipe, weld and deflection (system specification). SKZ certificate No.: A724
-  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, production date/batch as well as **flow direction display** for forward and return.
-  Factory tested with individual test certificate
-  The geothermal probe and sections of it are fully recyclable owing to the all-plastic solution.
-  Delivery form: Standing coils on pallets
-  ♻ **Recycling:** the probe material is sorted and completely recyclable.
-  This innovative geothermal probe is patented. Patent No.: EP 2 706 308.

Probe pipe dimensions: d 53 x 4.3–9.2 mm

Probe length: ..... m

Art. No.: .....

Quantity ..... Units

**Reduction electrofusion coupler socket 43 mm / 40 mm**

Reduction for transition FLUX probe pipe de 43 mm to dimension de 40 mm

Art. No.: 104775

Quantity ..... Units

**Reduction electrofusion coupler socket 53 mm / 50 mm**

Reduction for transition FLUX probe pipe de 53 mm to dimension de 50 mm

Art. No.: 112872

Quantity ..... Units

**Transition piece made of plastic 43 mm / 1 1/4" IT**

Transition piece with internal thread for pressure testing

Art. No.: 104206

Quantity ..... Units

**Closing cap 43 mm made of plastic**

Closing cap to close the probe pipes during the pressure test

Art. No.: 104208

Quantity ..... Units

**Transition piece made of chrome steel 43 mm / 1" IT**

Transition piece with internal thread for pressure testing

Art. No.: 115528

Quantity ..... Units

**Transition piece made of chrome steel 53 mm / 1" IT**

Transition piece with internal thread for pressure testing

Art. No.: 115529

Quantity ..... Units

**Closing cap 43 mm made of chrome steel**

Closing cap to close the probe pipes during the pressure test

Art. No.: 115530

Quantity ..... Units

**Closing cap 53 mm made of chrome steel**

Closing cap to close the probe pipes during the pressure test

Art. No.: 115531

Quantity ..... Units