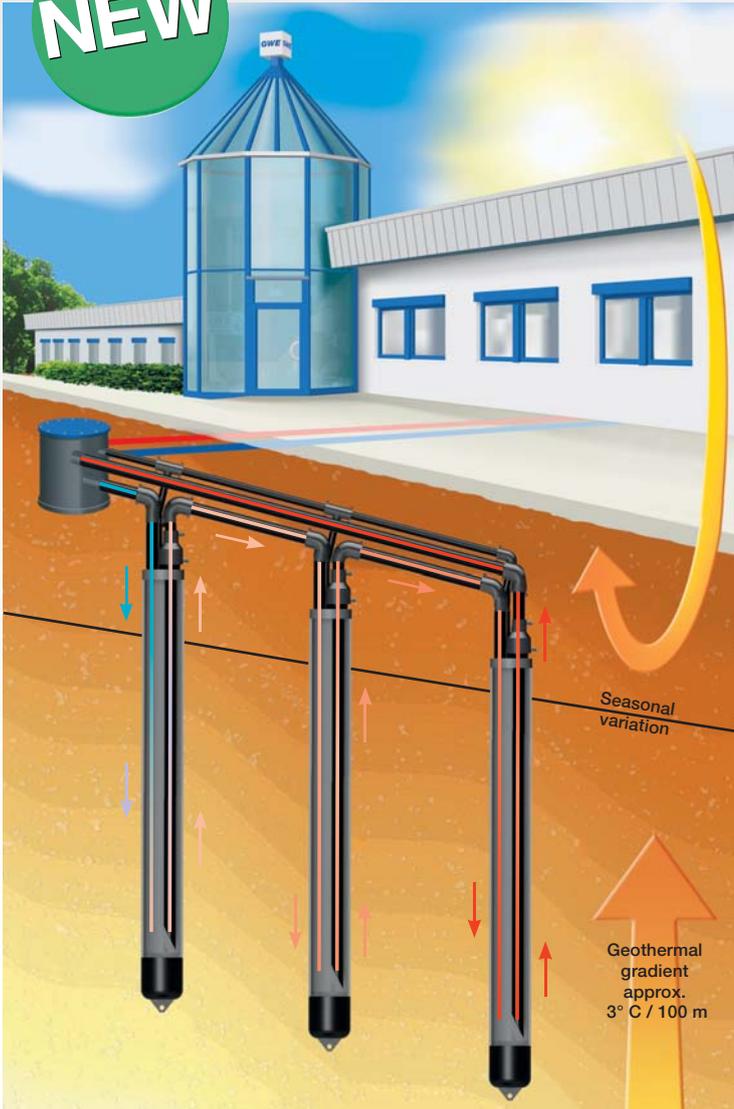


**NEW**



## GWE CoAx-Fuse® probe system

Efficient application of near  
surface geothermal energy

Head unit: 5 m

Intermediate unit: 7 m

Bottom unit: 7 m

### Summary of advantages

- ✓ Efficient and environmentally beneficial application of ground heat in spite of limited drilling depth
- ✓ Optimal heat transfer due to low borehole resistance
- ✓ Suitable for efficient heating and cooling applications
- ✓ Ground water protection through permanently sealed annulus backfill
- ✓ Pipe-integrated electro-welding connection for fast and safe installation
- ✓ Multiple probes installation in series- and parallel interlinking



## GWE CoAx-Fuse® probe system

### Operating mode

GWE CoAx-Fuse® probe system permits application of near surface geothermal energy even in locations where installations of twin submersible probes cannot be effected due to limited drilling depth because of geological and hydrogeological conditions and extended requirements on annulus backfills.

Principal construction and installation procedure of GWE CoAX-Fuse® probe system are based on the experience in the field of ground water monitoring.

GWE CoAX-Fuse® presents a closed system. The heat transfer fluid circulates through riser pipes to the surface into heat pumps where it can be applied for heating or cooling applications.

Higher energy demands can be met by combinations of up to three GWE CoAX-Fuse® probes.

### Technical data

Material:	PE 100-RC
Probe pipe diameter:	140 mm
Riser pipe diameter:	40 mm
Ventilation pipe diameter:	25 mm
Probe length:	12 m - 47 m (extendable by intermediate units of 7 m length)

Customized special lengths available on request.

#### Specialty

Pipe-integrated electro-welding connection for fast and safe installation

