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GENERAL TRT DATA

| | | | |
|---|------------|--|--|
| Type: <i>Both Heat injection or heat extraction</i> | No TRTs: 2 | Size, weight: L250 W130 H130, kg100 | |
| Aim: <i>Research, development, commercial</i> | | Pump: 600 – 2000 l/h | |
| Powered by: <i>Electricity</i> | | Heater: <i>resistor 2 –12 kW</i> | |
| Built on/in: <i>Trailer</i> | | HP/Cooler: <i>optional</i> | |
| <p>To boreholes</p> <p>Principle outline</p> | | Temperature measurements: - <i>thermocouple, accuracy ±0,01°C</i> | |
| | | | Flow rate measurements: - <i>Electronic sensor ± 1,5%</i> |
| | | | Voltage stabilization: <i>No</i> |
| | | | Supply Power Monitoring: <i>Yes</i> |
| | | | GPS: <i>Yes</i> |
| | | | Remote Control of Operation: <i>No</i> |
| | | Remote Data Collection: <i>No</i> | |
| | | Logger: <i>pc</i> | |

TRT EXPERIENCE

Years of operation: 3

Number of performed measurements: 60

Typical borehole depths: 30 – 150 m

Applications: *BHE, energy piles, heat pipe BHE's*

Typical collector type: *1U, 2U, coaxial pipe, heat pipes,*

Typical fluid type: *water*

Typical groundwater temperature: *12-18°C*

Geographical area: *North and Center Italy*

Analysis Method: *Numerical / Line source*