NEW

PKS®-THERMPIPE

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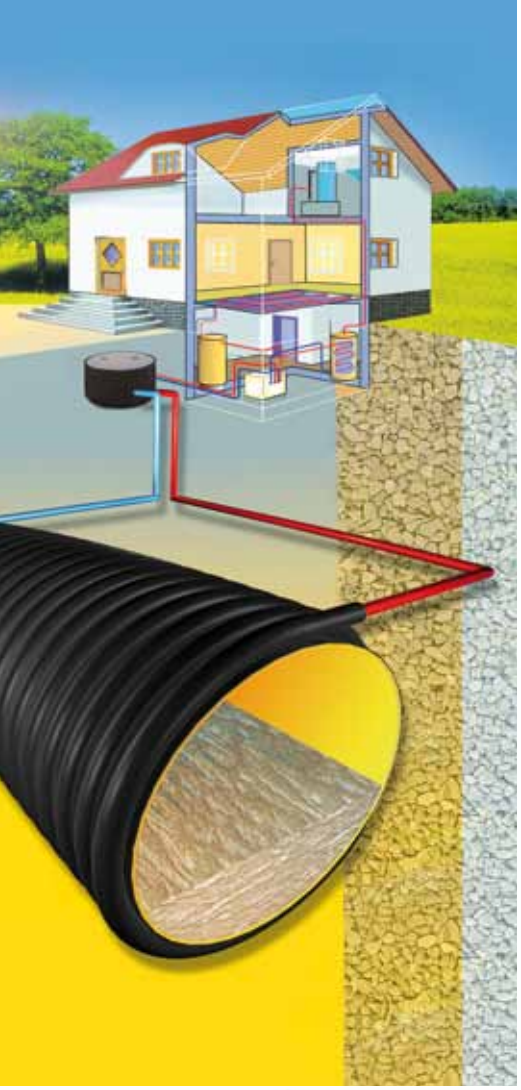
Heat from soil and sewage

FRANK
Der Vorsprung.



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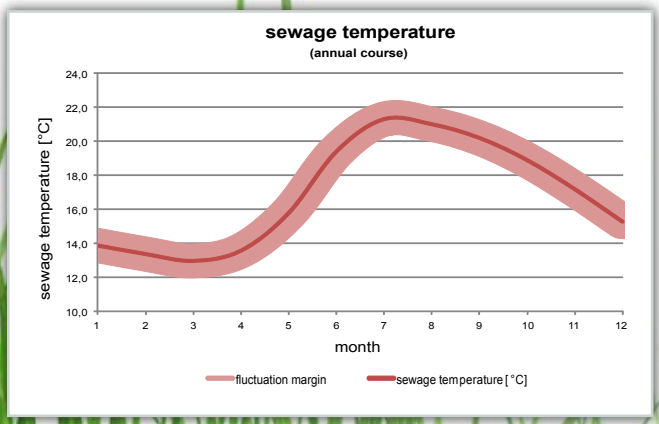
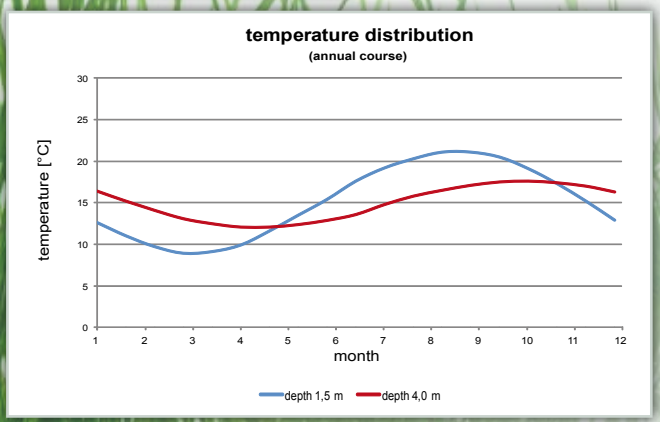
Heat from soil and sewage

Geothermal energy? Well-known. Heat from sewage? You know that already. However, both combined to one technology? A novel plastic spiral pipes allows using the energy potential of soil and sewage simultaneously. With just only one heat pump. Even moderate lengths of pipelines can be sufficient to supply modern buildings with energy.

General

In order to keep our standard of living in the future we need precious energy. We are all responsible for using energy sensibly and concertedly. We work so that following generations will profit from our developments. By using the PKS-Thermpipe®-System industrial and private buildings can be heated cost-effectively with energy from sewage and geothermal power of the pipeline zone. The pipe system is completely made of high quality and approved PE 100 material, thus guaranteeing the durability of the whole installation for many decades. PKS spiral pipes have already been used in public sewage systems for many years and proved their reliability in hundreds of projects.





Description

Besides offering a secure wastewater discharge, the PKS-Thermpipe®-System additionally provides potential customers the possibility of using thermal energy. As the output of thermal energy depends on various factors (volume and temperature of sewage, filling level in canal, etc.) the PKS-Thermpipe®-System also uses the surrounding soil of the pipeline zone for the energy supply. So the system is independent of daily hydrographs or irregular wastewater discharges. The system (both static and thermal) is designed project-related and orientates itself at the structural conditions as well as the existing energy potential (sewage, thermal energy) and energy supply of the units to be supported. The biggest part of the used energy the system gets from the pipeline zone. The number of PKS-Thermpipes® depends on the necessary amount of energy and the abstraction capacities to be realised from the subsystems “sewage” and “pipeline zone”. The PKS-Thermpipes® welded together will be connected to the FRANK PKS distribution shaft with standard form parts made of PE 100. From there lines lead to the heat pump in the building and to the energy transformation.

So use the existing heat from soil and sewage. If you have further questions, please ask.

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