

New power supply in **district heating pumping station**



District heating pumping station

District heating is a term used for a system which distributes heat to residential buildings and production processes. Thermal energy is transported via a network of insulated pipes which is primarily laid underground.

Conversion to frequency inverter operation

The planned conversion of the drives includes a KSB pump and a pump from another manufacturer. Each pump is currently equipped with a medium-voltage motor (6,000 V) and a hydraulic variable-speed gear. In future, a frequency inverter and new low-voltage motors (690 V) will be used for pump control. During the conversion work at the service centre, the pumps will be overhauled and the gland packings replaced with mechanical seals.

The fact that a supply voltage of 6,000 V is no longer available, means new low-voltage motors with other installation dimensions have to be fitted. This requires adaptations to be made to the base frames of the two pumps.

The difference in installation dimensions will be compensated by a curved-tooth coupling with a special spacer sleeve and solid sheet steel shims.

More information

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Scope of supply and services

Two low-voltage motors (690 V)

Overhaul and conversion to mechanical seals

Removal and re-installation on site including commissioning



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