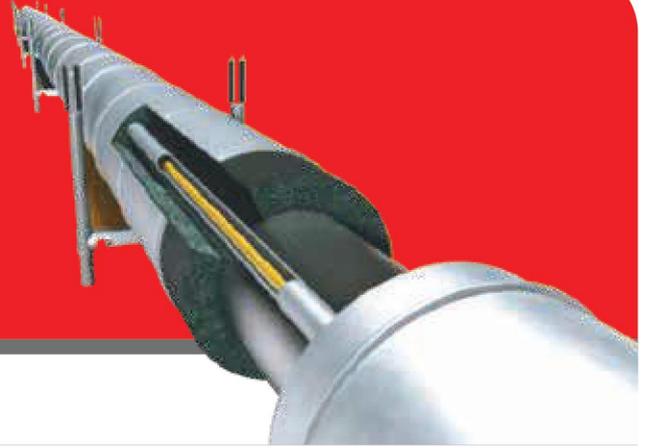


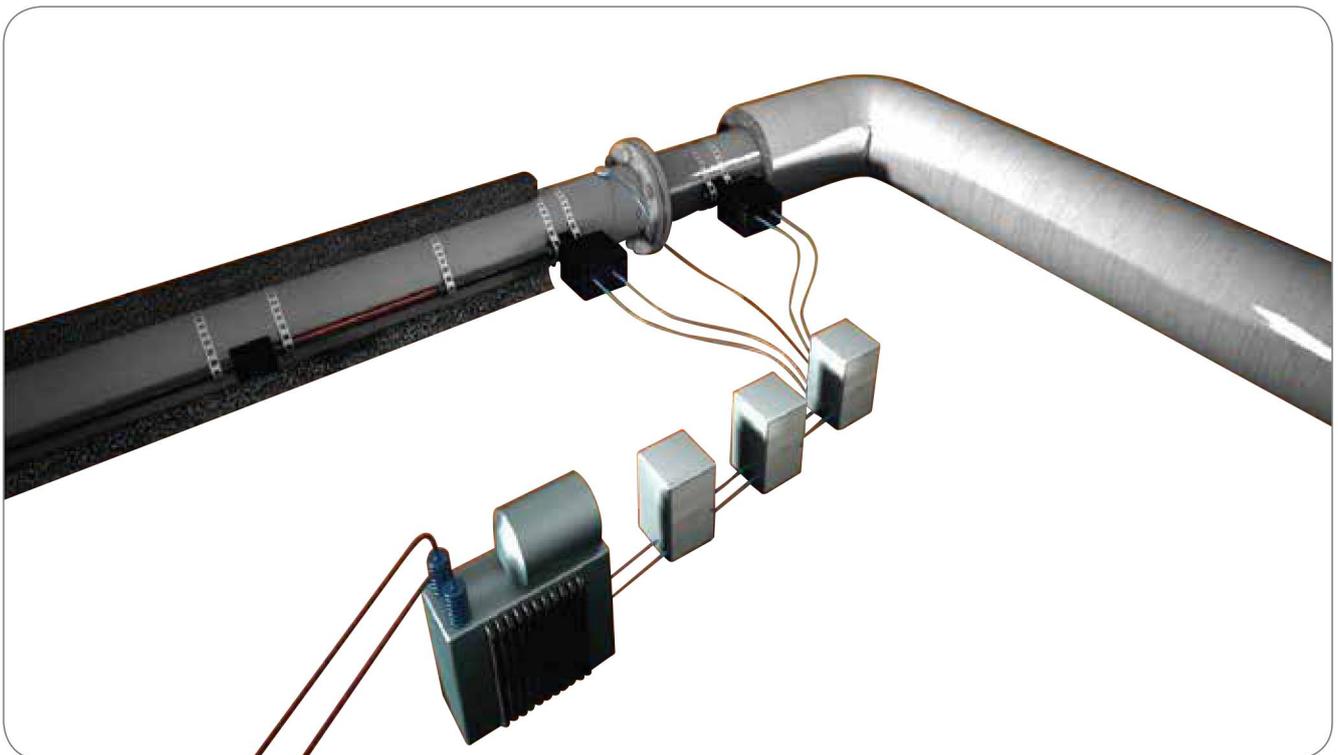
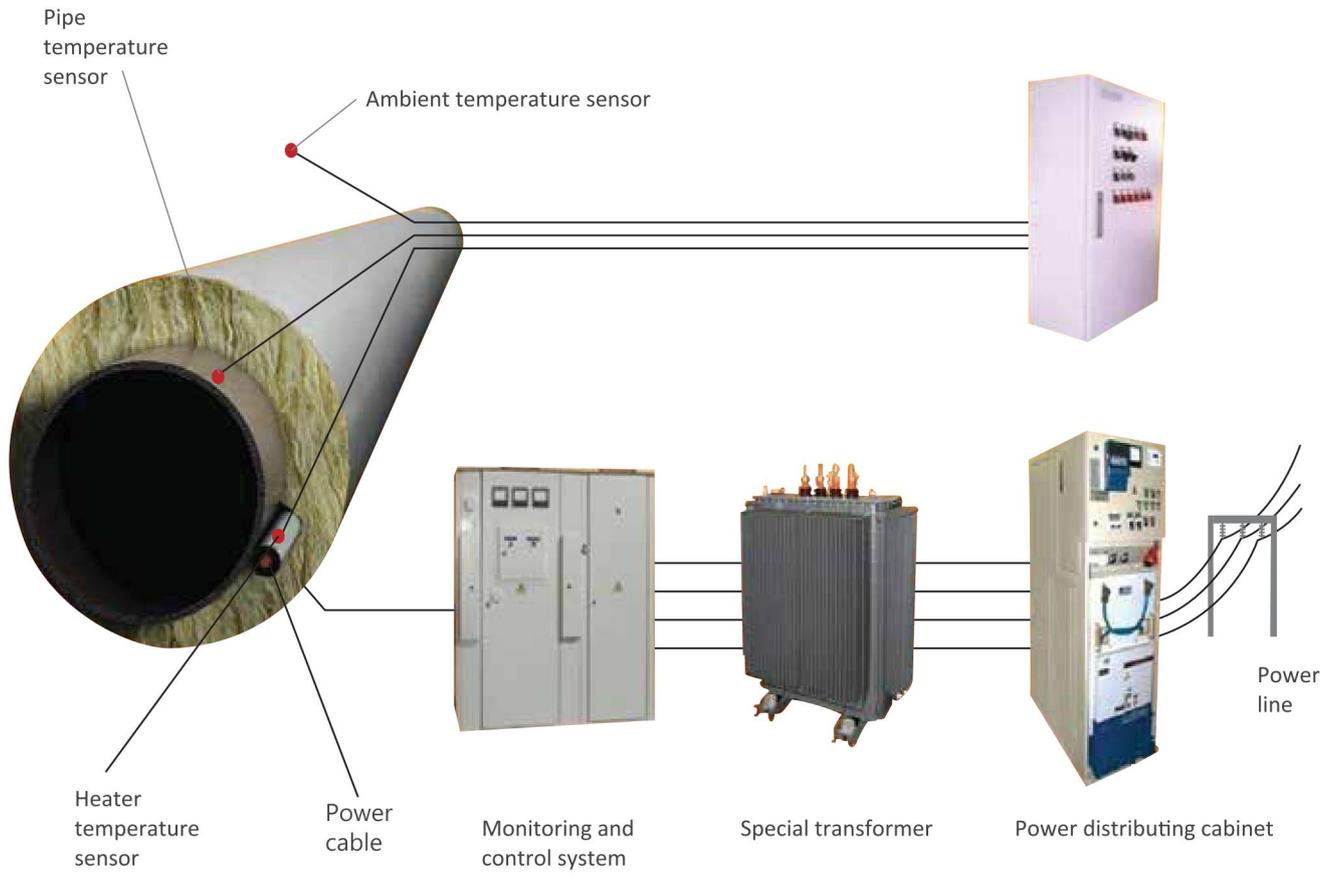
STS

Skin trace heating system



<p>Use</p>	<p>Maintenance of the product temperature. Protection of long trunk pipelines against freezing and ensuring their start heating. Use in hazardous and non-hazardous location.</p>
<p>Specification</p>	<p>Operating temperature : up to 200°C Power output of the heating : up to 120W/m Power supply : up to 5000Vac Circuit length : up to 30km</p>
<p>Features</p>	<p>The only way to heat pipelines with the length up to 30 km without parallel supply network. The most efficient way to heat any trunk pipelines of an unlimited length. Inherent strength and reliability of system design. Zero electrical potential on outer surfaces of heating elements after earthing.</p>
<p>Selection Code</p>	<p>The STS skin trace heating system consists of a ferromagnetic steel tube with outer diameter of 20-60mm and the wall thickness of at least 3.0mm. There is an insulated copper or aluminium conductor with cross-section of 10-50mm² placed inside the tube. The conductor is electrically connected to the tube at the end of a heating run while AC voltage is supplied between the conductor and the pipe at the run head: the voltage value is calculated based on the required heat output and the heating run length. Currents of the conductor and the tube have opposite directions and thus skin and proximity effects originate in the system. The conductor is non-magnetic, thus, it does not feature any noticeable skin effect and AC flows throughout the whole section of the conductor. The main heat producing element of STS is the tube, which produces heat up to 80% of the system output.</p>
<p>Certification</p>	

Typical installation



Monitoring and Control

Technical Support

Heating Cable

Connection Kit

Component

Temperature Measurement

Heating Jacket

Liquid Leak Detection