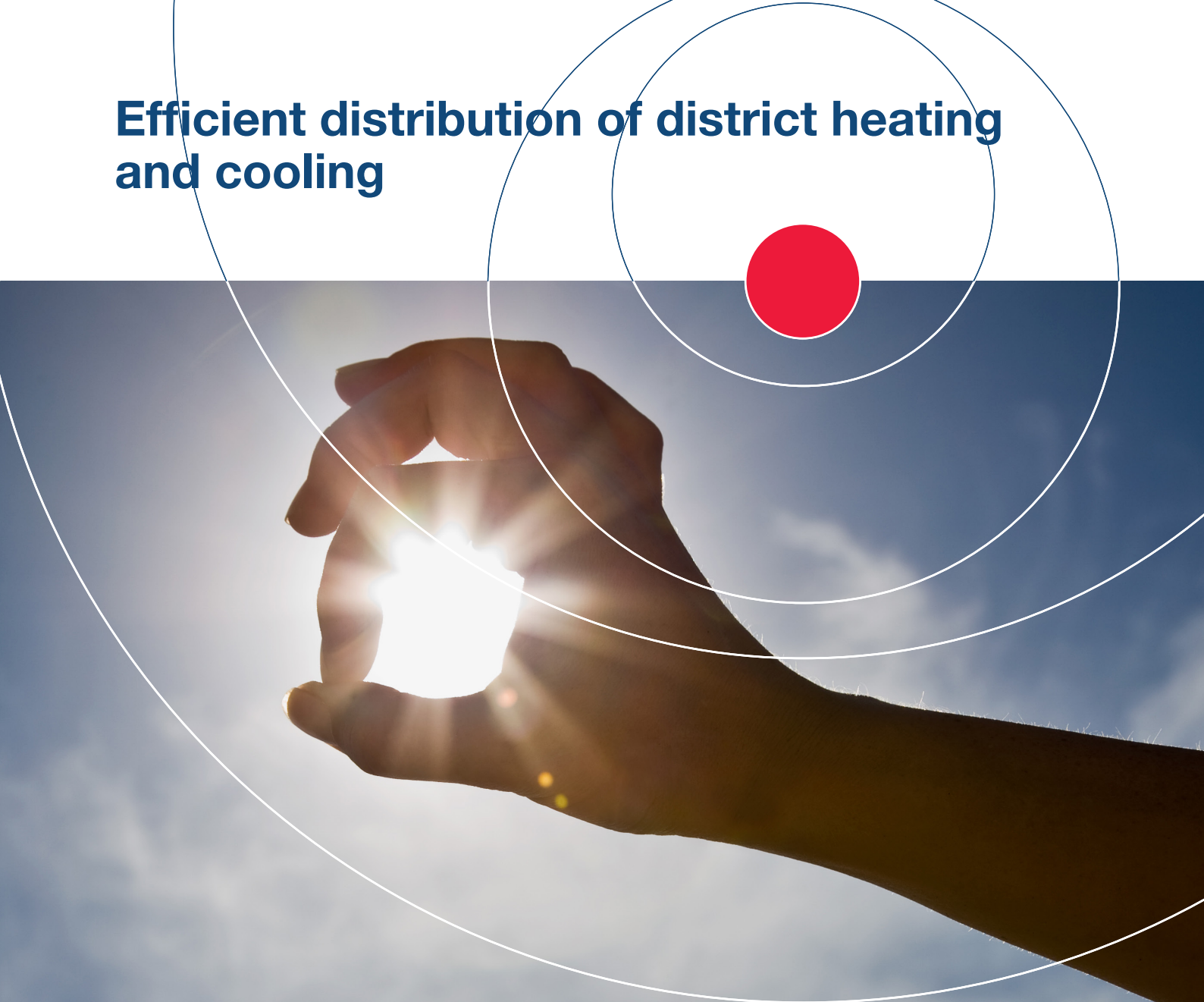


Efficient distribution of district heating and cooling



LOGSTOR pre-insulated pipe technology

● distributing energy efficiency

LOGSTOR

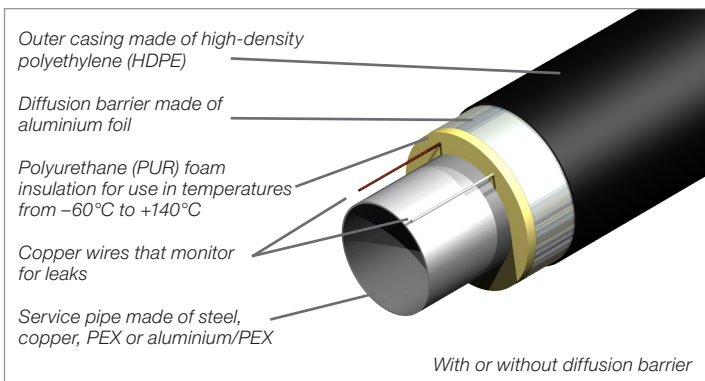
LOGSTOR pre-insulated pipe technology

LOGSTOR has 50 years of experience in the development, production and sale of pre-insulated pipes for transporting hot and cold water. This makes the company a unique partner when it comes to the transmission and distribution of energy for district heating and cooling.

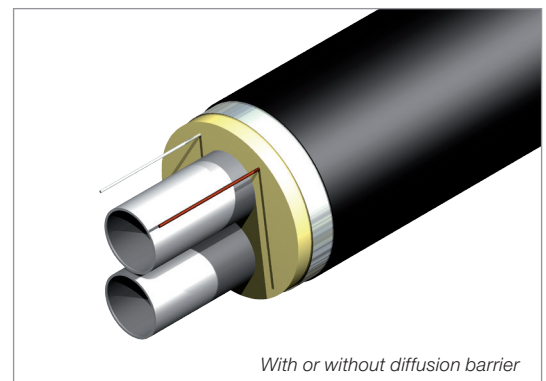
Our technology is based on a complete system of pre-insulated pipes, joints and fittings. The system is simple to install and guarantees an energy-efficient supply pipeline for at least 30 years.

The pipe system can be used both below and above ground for transmission over long distances and for distribution in urban zones. The thoroughly tested technology and our calculation tools provide our customers with the most efficient and profitable pipe systems.

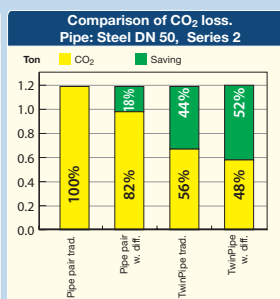
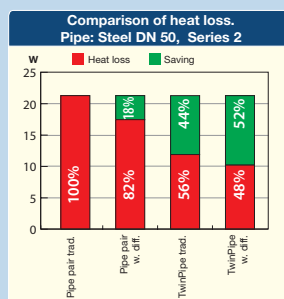
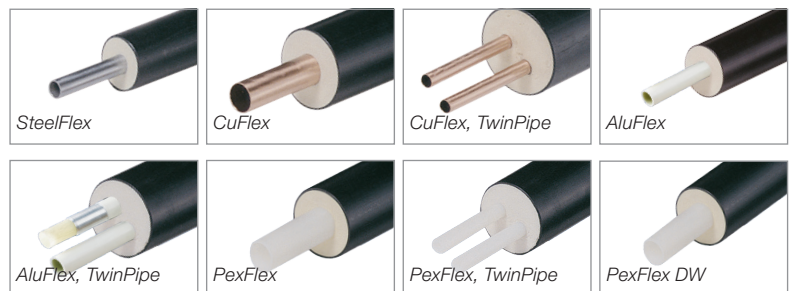
LOGSTOR SinglePipe™



LOGSTOR TwinPipe



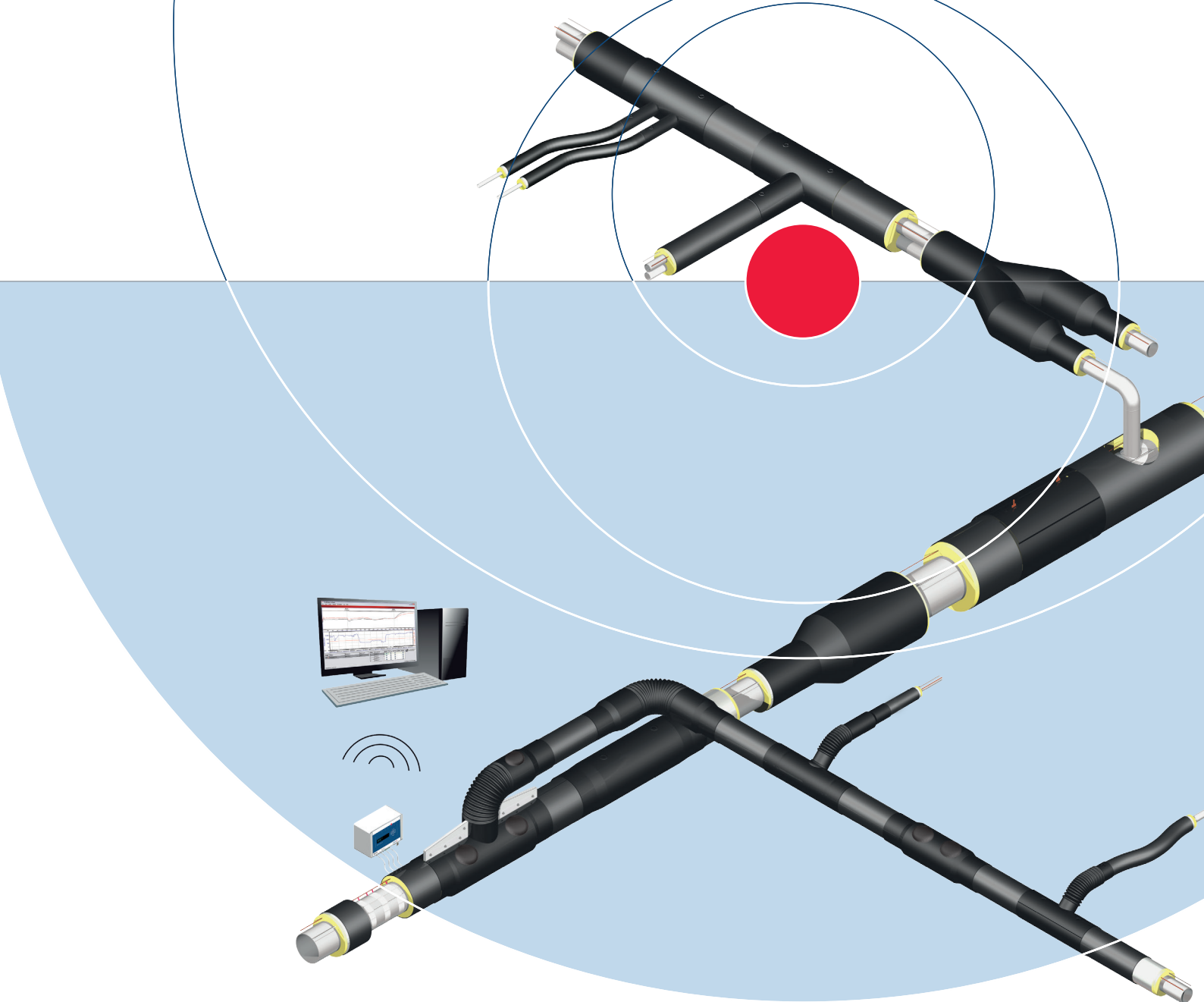
LOGSTOR FlexPipe



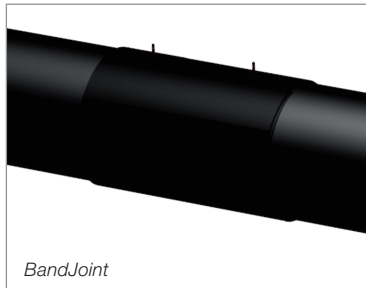
LOGSTOR Calculator

- is a Web-based calculation program that helps our customers make well-informed decisions about energy-effective and environmentally responsible pre-insulated pipe systems.

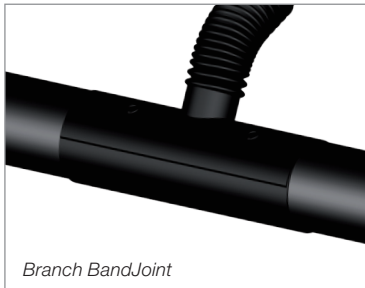
www.logstor.com/calculator



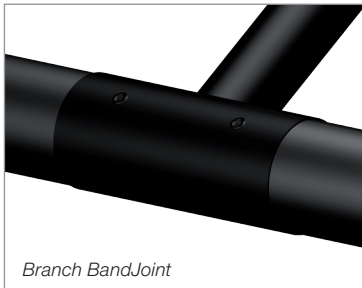
Weldable joint systems



BandJoint



Branch BandJoint



Branch BandJoint



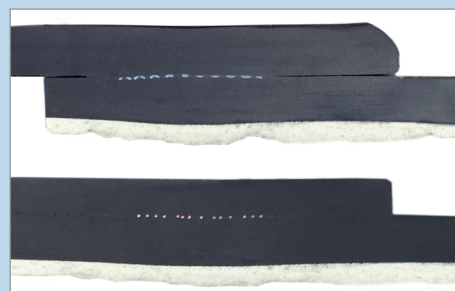
EWJoint



LOGSTOR WeldMaster™

- is a PE fusion welding machine that fuses the casing joint and casing pipe together to form a single, unbreakable pipe run. It automatically checks each individual fusion weld, registers its location and documents its quality.

www.logstor.com/weldmaster



Durable joints

All LOGSTOR joint systems ensure uniform insulation and a high level of operational reliability throughout the service life of the pipe system.

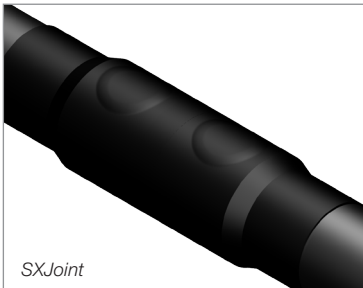
Joints and branches

The LOGSTOR pipe system features two different joint and branch technologies, each unique in its field: welding joints and shrinkable joints. Both are developed to deal with the challenges that are conventionally associated with joining individual components together to create a pipe system.

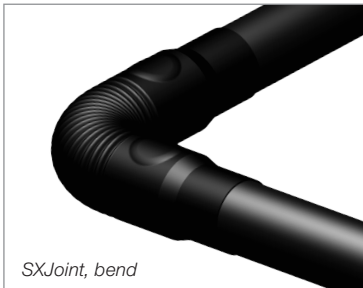
At the same time, they reduce the number of pre-insulated components and ensure fast, correct installation at the lowest cost.

Our welding joints are fitted with a QR-tag that, together with the LOGSTOR WeldMaster system, makes it possible to track the joints via GPS.

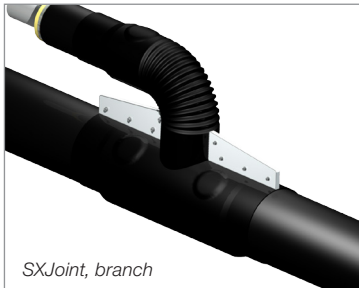
Shrinkable joint systems



SXJoint



SXJoint, bend



SXJoint, branch



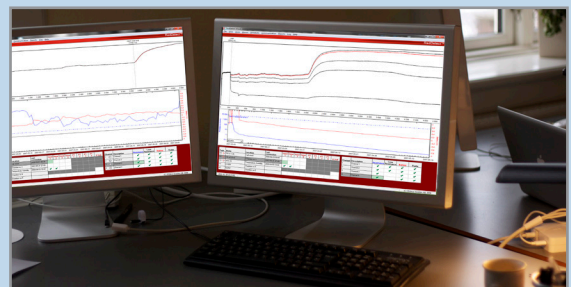
BXJoint

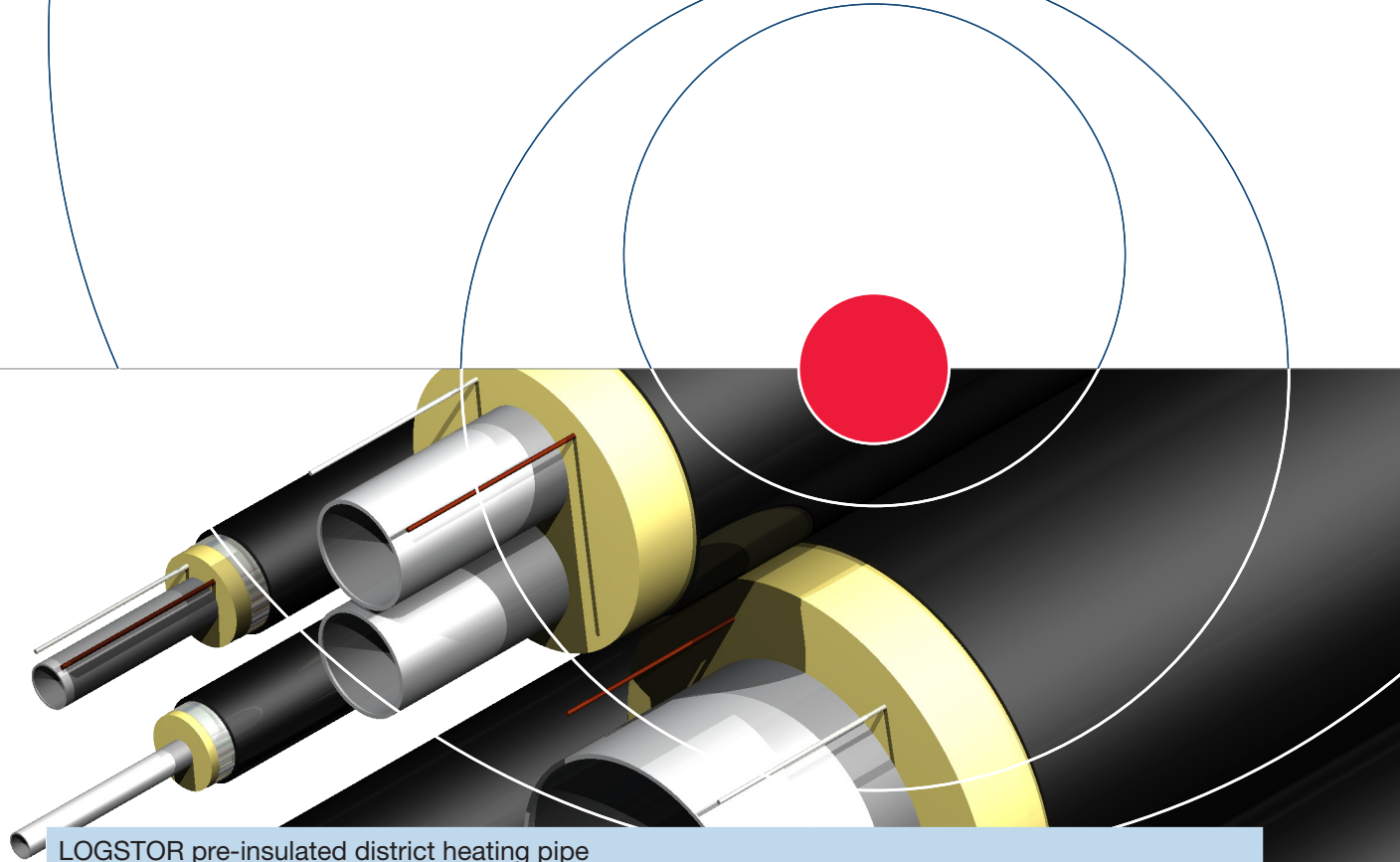


LOGSTOR Detect

LOGSTOR pipe systems can be supplied with a surveillance option – involving our GPRS-based surveillance units for example – which reports of the condition of the pipe system at all times.

www.logstor.com/detect





LOGSTOR pre-insulated district heating pipe

Type of pipe	Diameter Ø mm	Guaranteed lambda value, W/mK	With diffusion barrier	Insulation properties remain constant	Advantages in brief
Single pipes Axial process Continuously produced straight single pipes	26.9 – 219.1	0.023	Yes	Yes	<ul style="list-style-type: none"> Continuous production technology provides best possible insulation properties Available with three different insulation thicknesses, Series 1, 2 and 3 Built-in diffusion barrier prevents deterioration of insulation properties Diffusion barrier optional on larger-diameter pipe sections Service pipe made of steel Can be used with all types of joints
Single pipes Spiral process Continuously produced straight single pipes	323.3 – 1219	0.026	Optional	Optional	
Single pipes Traditionally produced straight single pipes	26.9 – 1219	0.027	No	No	
TwinPipe Continuously produced straight pipes	26.9 – 114.3	0.023	Yes	Yes	<ul style="list-style-type: none"> Provides best possible insulation value Available with two different insulation thicknesses, Series 1 and 2 Built-in diffusion barrier prevents deterioration of insulation properties Available with service pipes made of steel or copper Requires less civil works and fewer joints
TwinPipe Traditionally produced straight pipes	26.9 – 219.1	0.027	No	No	
FlexPipe Single pipe system, flexible pipes	15 – 110	0.022	Yes	Yes*	<ul style="list-style-type: none"> Available with different insulation thicknesses, Series 1, 2 and for relevant dimensions Series 3 Built-in diffusion barrier prevents deterioration of insulation properties Diffusion barrier is standard in FlexPipes – energy losses are greatest for small-diameter pipes Available with service pipes made of steel, PEX, aluminium/PEX or copper
FlexPipe TwinPipe system, flexible pipes	15 – 50	0.022	Yes	Yes*	<ul style="list-style-type: none"> Provides best possible insulation value Available with two different insulation thicknesses, Series 1 and for relevant dimensions Series 2 Built-in diffusion barrier prevents deterioration of insulation properties Diffusion barrier is standard in FlexPipes – energy losses are greatest for small-diameter pipes Available with service pipes made of PEX, aluminium/PEX or copper Requires less civil works and fewer joints

* The special diffusion barrier used for pipe sections with PEX service pipe allows minor changes.

● distributing energy efficiency

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LOGSTOR