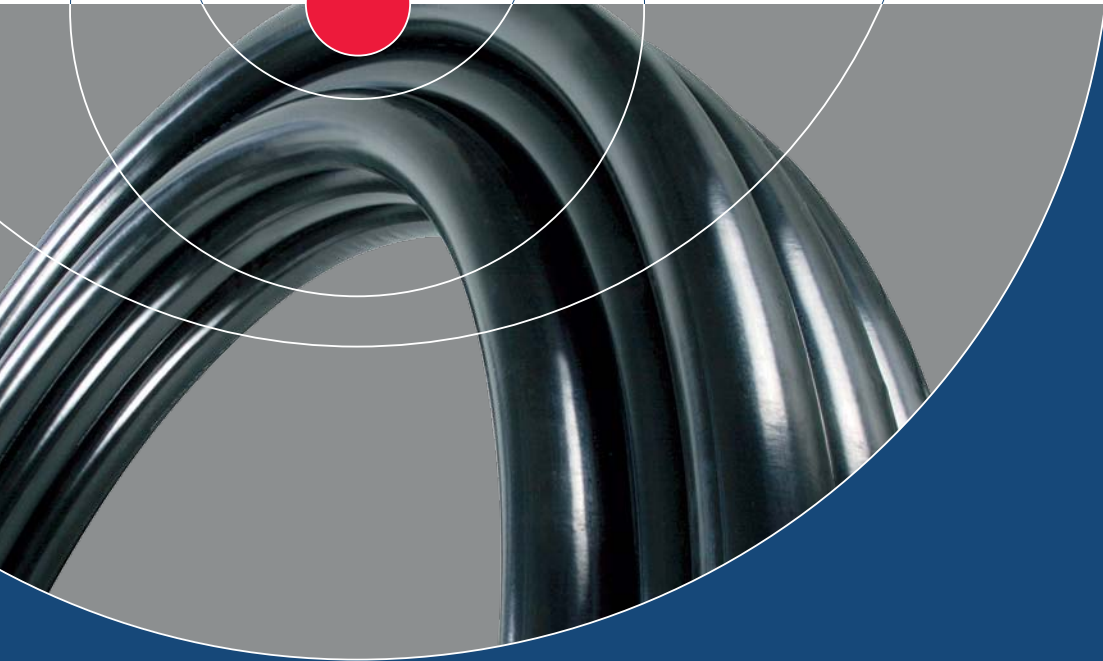


LOGSTOR *FlexPipe* – *SteelFlex*



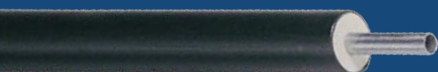
LOGSTOR *SteelFlex*

Steel is the material traditionally used for pipes in pre-insulated district heating systems, and is able to withstand high temperatures and pressures. This makes LOGSTOR SteelFlex ideal for the pipe runs used in most district heating networks.

An aluminium diffusion barrier placed between the PUR insulation and the outer casing ensures good insulation properties – lambda 0.022 W/mK. This makes sure of consistently high heat retention throughout the service life of the pipe.

The LOGSTOR SteelFlex system includes all the couplings, joints, fittings and tools needed to establish a complete pre-insulated piping network.

LOGSTOR FlexPipe is a complete range of impermeable pre-insulated branch pipes. The main differences between the four pipe systems in the range lie in the material used for the service pipes and in the assembly method. LOGSTOR SteelFlex, CuFlex, AluFlex and PexFlex make it easy to choose the solution that best suits the requirements and preferences of each particular installation with respect to criteria that include pressure, temperature and insulation thickness.



● distributing energy efficiency

LOGSTOR *FlexPipe* – *SteelFlex*

Technical data

Service pipe

| | |
|---------------------------------------|--------------|
| Material | Welded steel |
| Barrier for oxygen, vapour and gasses | Steel |

Insulation

| | |
|------------------------------------|---|
| Material | Polyurethane foam (PUR) |
| Thermal conductivity (50°C)/Lambda | 0.022 W/mK (more information at www.logstor.com/documentation) |
| Insulation thickness, Series | Series 1 and 2. Series 3 – optional for lengths of >1000 metres |

Diffusion barrier

Aluminium foil

Outer casing, material

Polyethylene (PE-LD). Smooth surface

Alarm wires

The Nordic system, copper. Optional

Continuous operating temperature

120°C

Max. temperature 100 h/year

130°C

Pressure

25 bar

Joining method

Welding

Coils, lengths

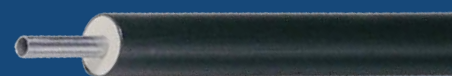
50 or 100 metres

Range of dimensions – service pipe/outer casing (mm)

Single pipe

| Series 1 | Series 2 | Series 3* |
|----------|----------|-----------|
| 20/77 | 20/90 | 20/110 |
| 25/77 | 25/90 | 25/110 |
| 28/77 | 28/90 | 28/110 |

* Series 3 – optional for lengths of >1000 metres



SteelFlex

- distributing energy efficiency