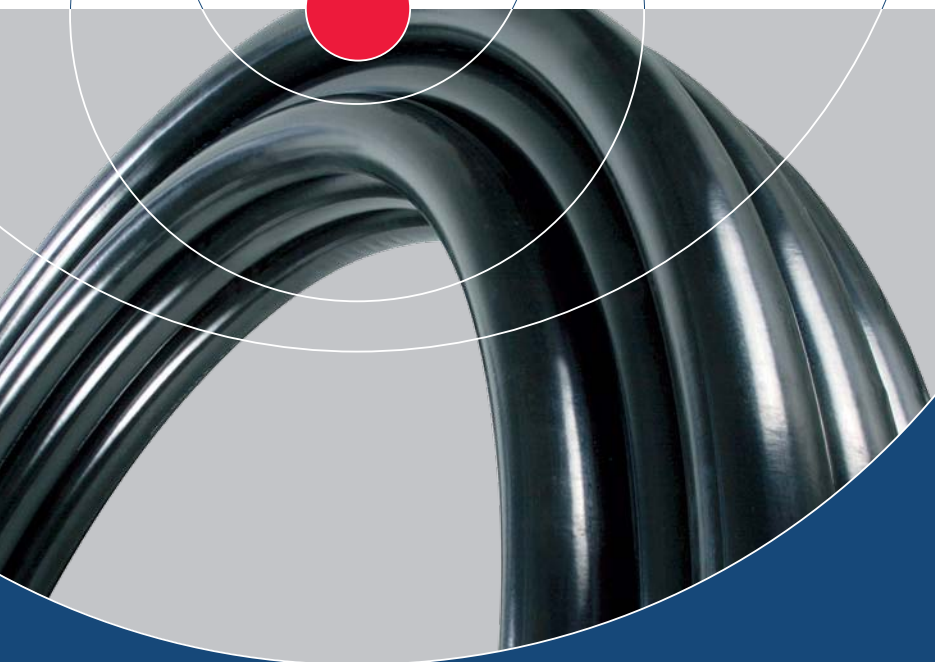


LOGSTOR *FlexPipe* – *AluFlex*



LOGSTOR *AluFlex*

AluFlex is equally suitable for distribution systems for community heating, district heating and sanitary water. The service pipe is of sandwich construction, with an aluminium pipe coated with PEX on the inside and with PE on the outside. The aluminium core provides 100% protection against the diffusion of oxygen and steam, as well as making sure the pipe retains its configuration.

A layer of aluminium foil is placed between the outer casing and the insulation as a diffusion barrier. This ensures consistent, stable insulating properties – λ 0.022 W/mK – throughout the service life of the pipe.

LOGSTOR AluFlex is available in single and twin pipe configurations, and the 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* – *AluFlex*

Technical data

Service pipe

| | |
|--------------------------------------|------------------|
| Material | PEX/Aluminium/PE |
| Barrier for oxygen, vapour and gases | Aluminium |

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

No

Continuous operating temperature

95°C

Maximum temperature 100 hours/year

105°C

Pressure

10 bar

Joining method

Press couplings

Coils, lengths

50 or 100 metres

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

| Single pipe | | Twin pipe | |
|-------------|----------|-----------|-----------|
| Series 1 | Series 2 | Series 1 | Series 2 |
| 16/77 | 16/90 | 16-16/90 | 16-16/110 |
| 20/77 | 20/90 | 20-20/90 | 20-20/110 |
| 26/77 | 26/90 | 26-26/110 | 26-26/125 |
| 32/90 | | 32-32/110 | 32-32/125 |



AluFlex single



AluFlex twin

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