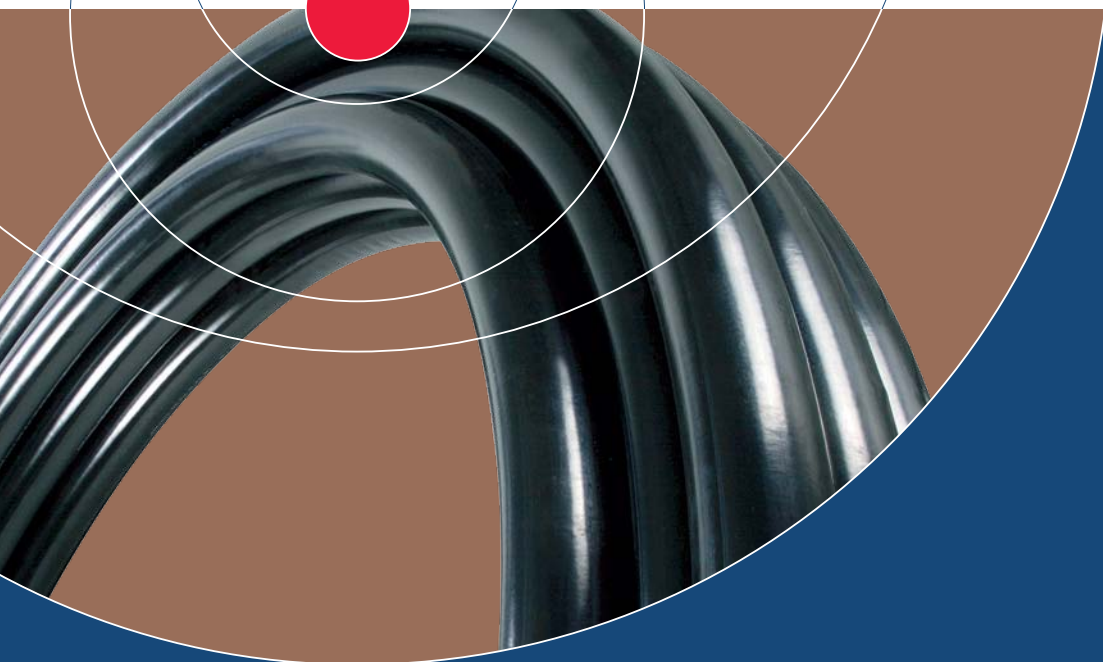


# LOGSTOR *FlexPipe* – *CuFlex*



## LOGSTOR *CuFlex*

**Soft copper can be used in heating distribution systems. Copper is a precious metal that provides 100% protection against the diffusion of oxygen as well as steam. A service pipe made of copper makes LOGSTOR CuFlex pipes flexible and corrosion-free, and capable of withstanding high temperatures and pressures. At the same time, they are easy to lay because they can be straightened out, and remain straight once laid.**

The aluminium diffusion barrier, which is placed between the PUR foam 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.

LOGSTOR CuFlex 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* – *CuFlex*

## Technical data

### Service pipe

|                                       |             |
|---------------------------------------|-------------|
| Material                              | Soft copper |
| Barrier for oxygen, vapour and gasses | Copper      |

### Insulation

|                                    |   |
|------------------------------------|---|
| Material                           | Polyurethane foam (PUR)   |
| Thermal conductivity (50°C)/Lambda | 0,022 W/mK<br>(more information at <a href="http://www.logstor.com/documentation">www.logstor.com/documentation</a> ) |
| Insulation thickness, Series       | Series 1 and 2<br>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

16 bar

### Joining method

Brazing

### 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  |
| 15/77       | 15/90    | 15-15/90  | 15-15/110 |
| 18/77       | 18/90    | 18-18/90  | 18-18/110 |
| 22/77       | 22/90    | 22-22/90  | 22-22/110 |
| 28/77       | 28/90    | 28-28/110 |           |
| 35/90       | 35/110   |           |           |



CuFlex single



CuFlex twin

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