

A new dimension of flexibility



LOGSTOR *FlextraPipe*
– pre-insulated pipe system

**Saving time, money and effort
in community heating networks**



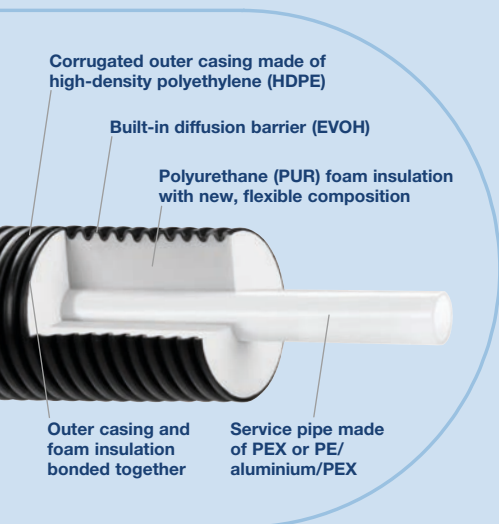
○ distributing energy efficiency

LOGSTOR

Distributing energy from source to consumer – regardless of hindrances

Flexible facts

- Three times as flexible as current FlexPipe products
- Easy to bend by hand
- Small bend radius makes it easy to lay pipe on difficult sites and around obstacles
- Diffusion barrier built into the outer casing
- New type of insulation foam ensures lambda insulation properties of 0.023 W/mK
- Coils available in standard lengths of 50 and 100 metres as well as customised pipe lengths
- Self-compensating design eliminates any need for expansion fittings
- Includes all couplings, fittings and tools required for easy, rapid installation



Three times as flexible

LOGSTOR FlextraPipe is the latest generation of the well-proven LOGSTOR FlexPipe bendable pre-insulated pipe. The big difference is that it is up to three times as flexible as current LOGSTOR FlexPipe products – while the built-in diffusion barrier retains its full insulation properties throughout the entire service life of the pipe.

This remarkable flexibility stems from a unique combination of the new corrugated outer casing and a newly formulated cellular insulation foam that is considerably softer. This makes it extremely easy to bend by hand. Pipe that is easy to bend is easier and less expensive to lay, especially in smaller heating networks with tight curves and lots of obstacles.

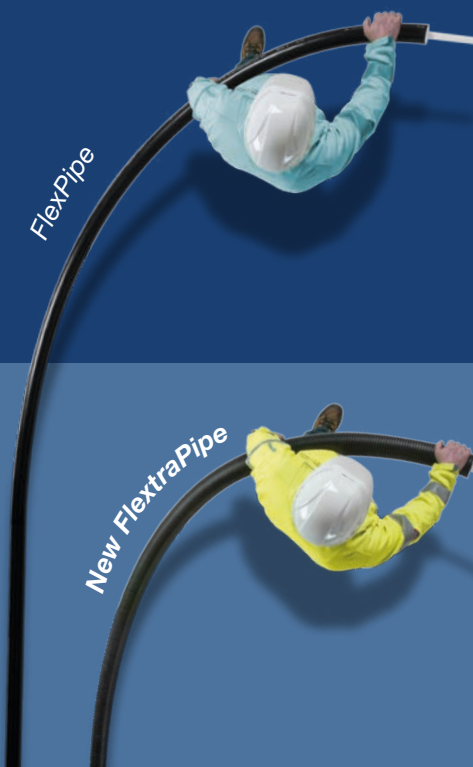
Ideal for community heating

The remarkable flexibility of the LOGSTOR FlextraPipe system, combined with its excellent insulation properties and easy installation, makes it ideal for use in community heating networks where pipe runs may have to negotiate a wide range of buildings, landscape features and other local structures.

District heating branch pipes, too

The flexibility that the LOGSTOR FlextraPipe system provides also makes this product ideal for use for branch pipes in large-scale district heating distribution networks.

Being able to make small-radius bends makes it much easier to fit district heating set-ups into even extremely built-up areas and sites, involving lots of obstructions.



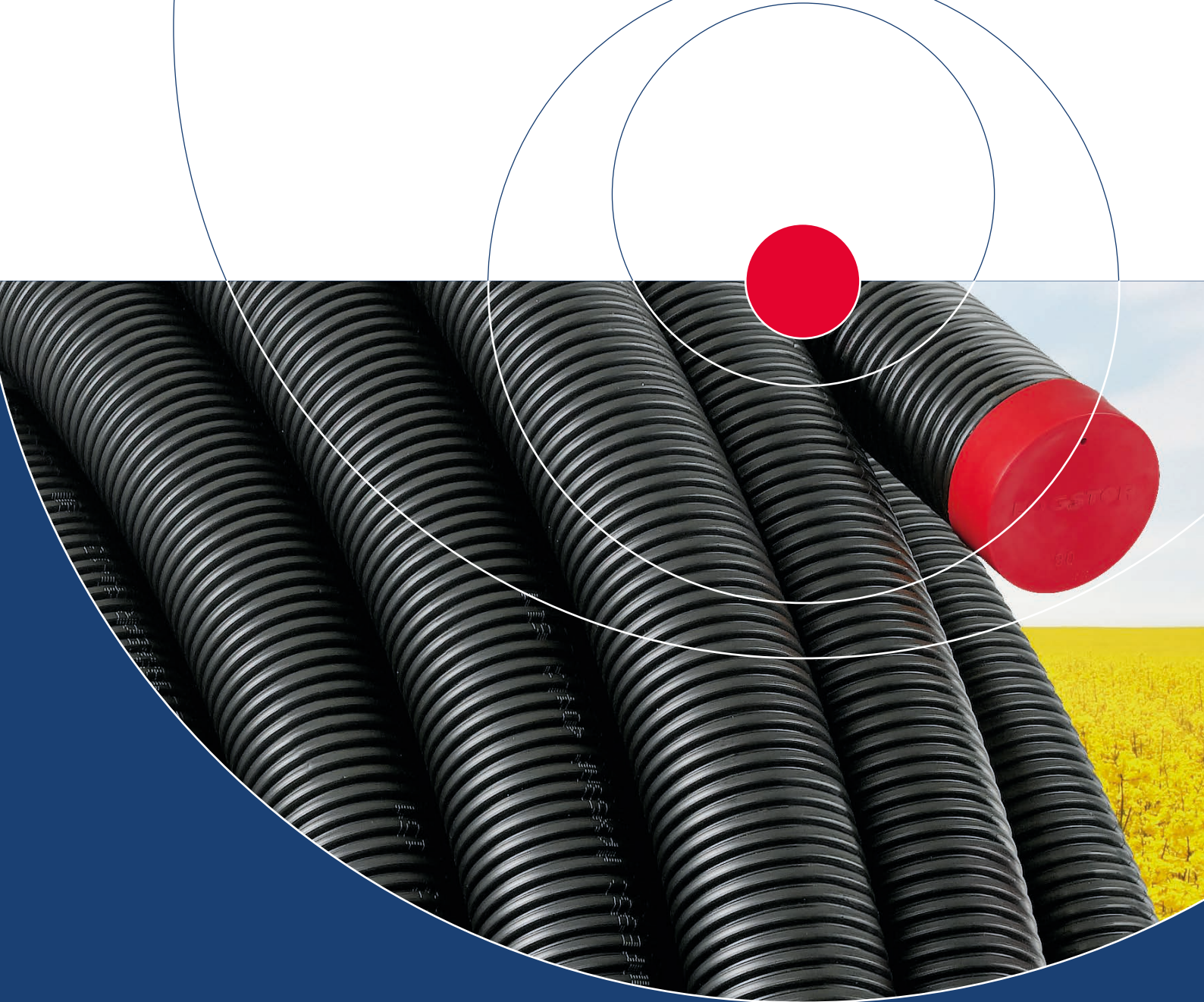
Tested for flexibility

Field and laboratory tests prove that the effort needed to bend LOGSTOR FlextraPipe to the required shape is much less than with LOGSTOR FlexPipe.



Long lengths

Customised lengths of more than 100 metres are possible due to the small bend radius.



Adding up to the lowest costs

Using the LOGSTOR FlextraPipe system for the piping in a community heating system is substantially cheaper than you might think.

The FlextraPipe system includes all the joints, fittings and tools necessary for an entire network, making the work involved

easy, quick and fault-free. This reduces installation and manpower costs to the bare minimum.

LOGSTOR FlextraPipe is also extremely durable, virtually eliminating maintenance costs and repair work during their entire service life.



Easy to roll out

The coils are easy to unroll – by hand or by trailer.



Complete system

A comprehensive range of couplings and tools is available.



Easy connections

Pre-configured T-joint fittings make it quick and easy to connect branch pipes to the main supply pipe.



Whole range

The LOGSTOR FlextraPipe system is the most flexible – by far – member of a whole range of flexible pipes, all featuring a built-in diffusion barrier to maintain heat retention efficiency.

Types of pipe



PexFlextra single



PexFlextra twin



AluFlextra single



AluFlextra twin

LOGSTOR PexFlextra

LOGSTOR PexFlextra products feature a service pipe made of very flexible polyethylene (PEX).

This range of products is widely used for small-scale heating projects and for house connections in district heating distribution networks. It permits a maximum continuous operating temperature of 85°C and pressure of 6 bar.

LOGSTOR AluFlextra

LOGSTOR AluFlextra has a service pipe made of aluminium coated with PEX inside and PE on the outside. This sandwich construction combines the advantages of the smooth plastic surface with the shape retention of a metal pipe.

Using AluFlextra pipe runs prevents oxygen and water vapour diffusing into the heating water and the surrounding PUR insulation foam, respectively. The maximum permitted continuous operating parameters are 90°C and 10 bar, respectively.

Right pipe for the job

The LOGSTOR FlextraPipe system is available with either single or twin service pipes, made of either aluminium or flexible polyethylene, with outer casing diameters of $\varnothing 90$ - $\varnothing 180$ mm.

The most appropriate type of service pipe depends on the temperatures and pressures used in the particular pipe system, as well as other project requirements.

For sanitary water, too

LOGSTOR SaniFlextra provides the same unique flexibility and insulation properties, but it is configured to temperatures of 85°C and pressure of 10 bar.



SaniFlextra single



SaniFlextra double



Hand tools only

Pressing tools are easy to adjust for use with any FlextraPipe couplings.



Easy house entry fixtures

Easy-to-install and easy-to-connect fittings inside buildings of any kind.

Pipe runs that fit in everywhere

Laying the pipes for community heating networks has to be as inexpensive and hassle-free as possible.

The remarkable new flexibility of the LOGSTOR FlextraPipe system makes it easy to lay and easy to bend around buildings, trees and landscape features – with a minimum of disturbance.

Saving time, money and manpower on pipe laying makes for big savings in installation costs.



For documentation, see
www.logstor.com/flextrapipe

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