

# Six kilometres for Beck's

## Supply of innovative piping system for Bremen-based brewers Beck & Co



*Logstor supplied Beck & Co with a total of six kilometres of new piping.*



### Introducing new materials

When awarding contracts to pipe manufacturers, Beck & Co sets particularly high standards for the environmental aspects and resistance of the pipes. The material used shall

tolerate temperature variations between 2 and 95 degrees. As concerns the environment the focus is on minimum use of material at lower costs. "We have continually built on the long years of experience we have had with polyethylene as insulating material and can now completely go away from traditional materials such as mineral wool," explains Jakob Jespersen, the Logstor representative. Through the whole of Europe, Logstor is the only supplier of this new technology.

The beer pipeline supported by a bridge 22 metres high has the appearance of a gigantic mechanical masterpiece. All in black, it looks markedly different from the commonly known beer pipes in their cool, metallic silver finish. Using the expertise of Denmark's Logstor Group, the renowned brewery Beck & Co has broken new ground in applied piping technology. The pipeline comes from Logstor, a company specialising in the production of innovative piping systems.

All together six kilometres of new pipes have been shipped to Bremen where Beck & Co are investing nearly DM 70 million to streamline their whole beer brewing logistics. As part of the project, the various filtering cellars are being replaced with a new, fully automated operation centre including four filtering lines.



*"If in practice it holds up to what it promises already at this stage, I can see enormous advantages for us, in particular when it comes to bridging longer distances," says Gunnar Zinke, senior project manager at Beck & Co.*

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## Logstor patent for continuous production

As opposed to conventional pipeline systems, the pipes from Logstor already come with insulation. „Compared with traditional methods the installation of such pre-insulated pipes saves about 30 percent labour,” says Jörg Heidenreich, field representative of Logstor Deutschland GmbH. The secret behind these considerable savings is the Logstor patent: In a continuous production loop, the pipes first receive an insulating layer before a 100 percent watertight polyethylene layer is applied. As a next step the pipes are cut to lengths of 12 metres each. The critical point here are the pipe ends which have to ensure perfect leak tightness and a consistent insulation rating. Logstor achieves this by capping the pipe ends with shrink-on sleeves. After bonding both sides with special glue, they are shrunk onto the pipes by means of a conventional burner. “Due to the heat, the sleeve melts in perfectly with the pipe’s shape so that a tight connection is formed, which is fully resistant to water and even UV radiation”, explains Jakob Jespersen.

In contrast to traditional methods the insulation properties remain constant over many years. The Logstor representative can also provide proof of the mechanical resistance of the pipes: “Even if one gives the pipe a kick there is no damage,” he demonstrates.



*The sleeve melts in perfectly with the pipe's shape so that a tight connection is formed which is fully resistant to water and even UV radiation.*

In order to detect any leakages Logstor equipped the pipes destined for Beck & Co. with sensors which trigger an alarm as soon as any humidity in the insulation layer would affect the insulating value.

Advantages recognised also by Gunnar Zinke, the senior project manager in charge of the new filtering cellar installation at Beck & Co: „An integral, thoroughly conceived system. If in practice it holds up to what it promises already at this stage, I can see enormous benefits for us, in particular when it comes to bridging longer distances,” he sums up the prospective merits.



*The beer pipelines give the impression of a gigantic mechanical masterpiece. They appear different from traditional pipes – dark black instead of cool metallic silver.*

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