Gillain & Co
Part of Heleon Group


Hendrik Hanssens, Master Brewer, Ter Dolen Castle Brewery

How the right hose selection makes the difference



At Castle Brewery Ter Dolen, several hoses were showing the first signs of wear. Preventive inspections helped identify which hoses needed replacement to avoid leaks, unplanned downtime and unsafe working conditions. For head brewer Hendrik Hanssens, this was the right moment to work with Gillain & Co in finding a more durable solution.

Our solution

In consultation with our sister company Heproflex, a specialist in flexible hose solutions, the recommendation was made to use the Tudertechnica SPIRALTECH UPE EXTRA GLIDE. This high-quality UPE suction and delivery hose has been specifically designed for the safe transfer of alcohols and distillation by-products, even at alcohol concentrations of up to 99%.

- → **Application**: The hoses are used for transferring wort and beer during various stages of the brewing process.
- → **Benefits**: The higher resistance to CIP cleaning chemicals and the fact that the Tudertechnica SPIRALTECH UPE EXTRA GLIDE hoses do not kink make a significant difference in daily operation. In addition, they contribute to a more reliable and hygienic production process.
- → **Cost-benefit**: The price difference compared to standard hoses is limited, while the Tudertechnica SPIRALTECH hoses offer clear advantages in terms of durability, ease of handling and hygiene.
- → **Flexibility and manoeuvrability**: In the confined spaces of the brewery, where multiple hoses often cross each other, the Tudertechnica SPIRALTECH hoses remain flexible and do not kink, even when routed through tight bends.
- → **Efficiency and ergonomics**: Thanks to their corrugated outer cover, the Tudertechnica SPIRALTECH UPE EXTRA GLIDE hoses glide smoothly across the floor and are easier for operators to handle. This not only increases efficiency but also reduces physical effort during daily operations.
- → **Hygienic**: Thanks to their corrugated outer cover, liquids do not remain trapped underneath the hose, reducing the accumulation of dirt and moisture. This helps maintain a more hygienic working environment and makes cleaning easier.

Ter Dolen Castle Brewery

Located on an authentic castle estate in the green heart of Limburg, Ter Dolen Castle Brewery brews its Certified Belgian Abbey Beers with a strong focus on quality and craftsmanship.

www.terdolen.be

Ter Dolen
LIMBURGS ABDIJBIER

"The Tudertechnica SPIRALTECH® UPE Extra Glide features a corrugated outer cover with a thermoplastic spiral, allowing it to glide smoothly across the floor while enabling water to drain away easily without pooling. The hoses perform exactly as expected, but the fact that dirt does not accumulate underneath them thanks to the corrugated design was a pleasant surprise."

Hendrik Hanssens, Master Brewer, Ter Dolen Castle Brewery

The smooth, white UPE inner liner of the Tudertechnica SPIRALTECH UPE EXTRA GLIDE ensures taste- and odour-free product transfer, even when handling alcohols up to 98%. This makes it a suitable alternative to rubber hoses, which are generally not recommended for alcohol concentrations above 30%.

The hose has been specifically designed for installations where frequent movement and connections are required between tanks, filling points or mobile transfer stations. It is ideally suited for applications in breweries, the wine industry and the cosmetics sector.

Construction

- → **Inner liner**: Smooth, mirror-finish white UPE (polyethylene), guaranteed phthalate-free.
- → **Reinforcement**: High-density textile plies combined with a thermoplastic helix.
- → **Outer cover**: Rounded green thermoplastic helix with a smooth red rubber cover, resistant to UV, ozone and abrasion.

Operating temperatures

- → **Operating temperature range**: -35°C to +100°C.
- → **Cleaning**: Up to 120°C for 30 minutes and resistant to all commonly used cleaning agents.

Dimensions

De The hose supplied has a nominal diameter of DN25.The Tudertechnica SPIRALTECH UPE EXTRA GLIDE is available in sizes ranging from DN25 to DN102. Due to the hose construction and the external thermoplastic helix, tolerances of ±3 mm on the outside diameter may occur.

Wat does Heproflex do?

Heproflex
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Heproflex provides expert advice, supplies and assembles high-quality industrial hoses and hose assemblies for the food, pharmaceutical and general industries.

In its own workshop, couplings are professionally crimped and hose assemblies are finished entirely to customer specifications.

In addition, Heproflex carries out hose testing in accordance with applicable European standards.

Wat does hose testing include?

- Identification and traceability verification
- Visual inspection of hoses and couplings
- Endoscopic inspection of the inner liner
- Hydrostatic pressure testing
- Measurement of electrical resistance
- Certification in accordance with applicable standards
- Clear reporting of all tests performed

Why Test Flexible Hoses Periodically?

- Improved safety, reduced downtime and consistent product quality
- Early detection of wear, defects and leaking couplings
- Prevention of leaks and hose failures
- Reduced risk of product contamination
- Compliance with European standards and regulations (EN 12115, EN ISO 6134 and EN ISO 1402:2021)

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excellence in design and manufacture of specialty hoses

