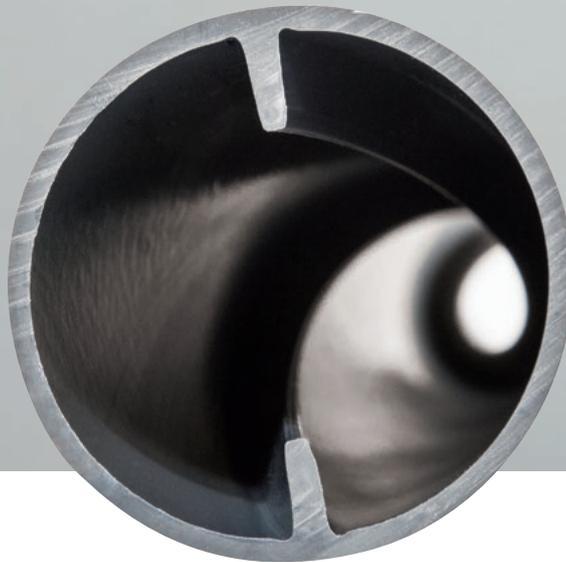




**NEW!**

**Big Dutchman®**



**TwinSpin**

Ideal and lasting mixing of feed in the tube system

# TwinSpin: Uniformly mixed feed all the way to the trough

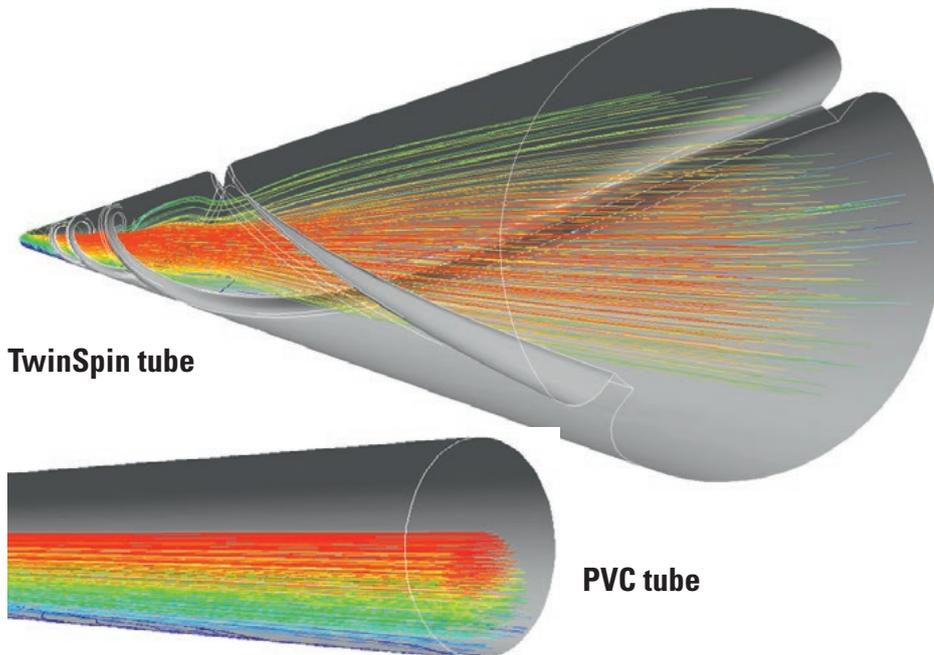
The TwinSpin tube system, newly developed by Big Dutchman, transports a uniform feed mixture all the way to the trough just like it is created in the mixing tank – without separation of the components! The system can be used in branch lines just as well as in ring lines.

Individual components of a recipe can

separate after being mixed together, particularly when the mixture has to be conveyed along larger distances. The new Big Dutchman TwinSpin tube system is characterised by an integrated double spiral. The laboratory for fluid dynamics and turbomachinery of the University of Applied Sciences Osnabrück carried out

tests with this double spiral tube in cooperation with Big Dutchman. These tests prove the unmatched mixing quality of the feed mixture which reaches the trough and thus the pigs. This leads to a more uniform growth of the animals of a group.

## Illustration of the flow velocity



TwinSpin tube

PVC tube

Illustration of the flow velocities in a TwinSpin tube compared with a common PVC tube

The red flow lines indicate high velocities and therefore particularly good mixing. There are no blue lines at the walls of the TwinSpin tube, which would point to sedimentation or an extremely low flow velocity.

Using TwinSpin is recommended especially if:

- ✓ the conveying distance is very large;
- ✓ the feed has a high dry matter content;
- ✓ the feed has a high solids to liquid ratio, and when the majority of the ingredients have low water absorptive properties;
- ✓ the metering rates and flow velocities are especially low, as is the case in farrowing pens and in piglet rearing.

## Advantages

- ✓ feed components remain mixed from the mixing tank all the way to the feed valve → stable dry matter content at every valve;
- ✓ improved metering precision thanks to a constantly uniform feed mixture;
- ✓ no deposits caused by sedimentation → next to no clogging;
- ✓ deliberate turbulences inside the tube significantly improve hygiene;
- ✓ very little pressure loss;
- ✓ TwinSpin is available in dark grey and transparent versions and in two diameters: 50 and 63 mm;
- ✓ TwinSpin can be retrofitted into existing liquid feeding systems.



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