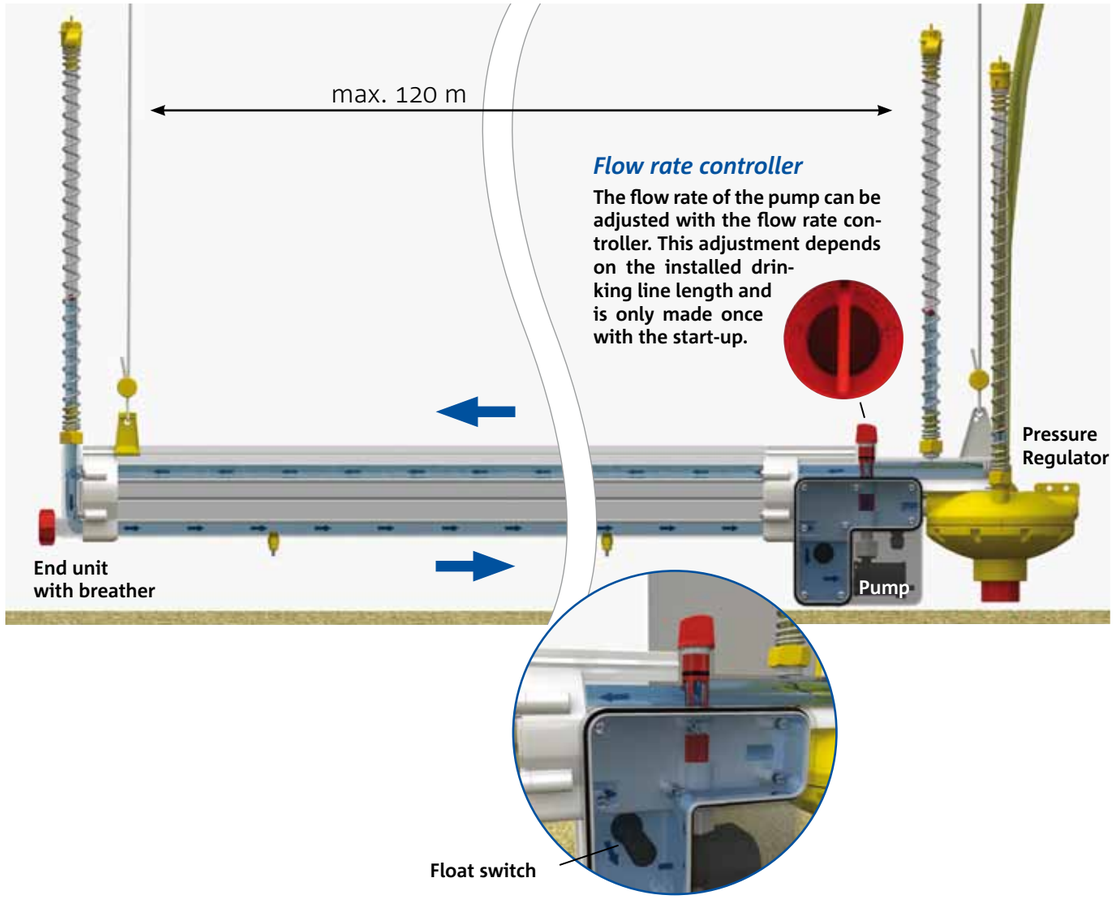
Main facts at a glance



For further information: www.lubing.com

Technical modifications reserved.

Drinking System „TwinClean Line“

for rearing and finishing

Hygiene optimized

Perfect hygiene for your Drinking-System

LUBING

Drinking-Systems
Conveyor-Systems
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Drinking Systems „TwinClean Line“

for rearing and finishing

The LUBING TwinClean Line consists of the following elements:

1. *Water supply*
2. *Circulation unit*
3. *Drinking elements*
4. *Breather unit*
5. *Suspension*

1. Water supply

The Main water supply secures an optimum water quality for a long service life of the nipple drinkers. The water should have the quality of drinking water. At any case the water must be filtered.

The water runs from the Main water supply through the Pressure regulator with integrated flush system into the drinking lines. The Pressure regulator is available for front or middle-installations.

2. Circulation unit

The circulation unit for the circulating inside the drinking line. See also „Function“ on the right.

3. Drinking elements

The drinking lines are supplied in assembled elements of 3m length. These elements are to be coupled to the length of the house.

4. Breather

At the end of each drinking line a breather is installed. All valves of the breather units close during the flushing, which could be started by hand or alternatively by the automatic flush system.

5. Suspension

The drinking lines are suspended by hangers, which are stuck on the plastic profiles every 3 m. These hangers are connected with a rope via ceiling pulleys with the central hoisting cable.

The drinking line can be adjusted to the desired height by Hand winch or Ceiling winch and can be winched up easily to the ceiling for emptying or cleaning.

Main water supply

Optimum water quality increases the service life of the drinking systems. The medicator works without energy for the supplement of vitamins or medicines.

Pressure regulator

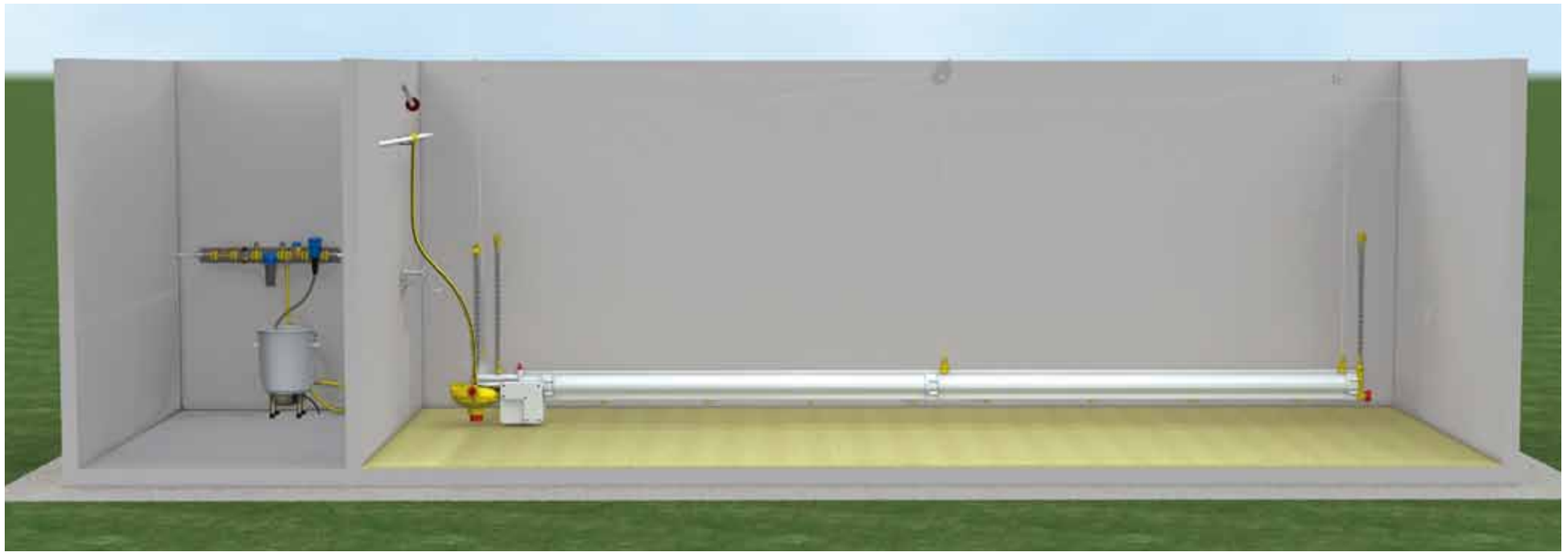
Pressure regulator with integrated flush system. With the Pressure regulator the water column can be adjusted as needed.

Hand winch

The right height adjustment will be done trouble-free by the hand or the ceiling winch.

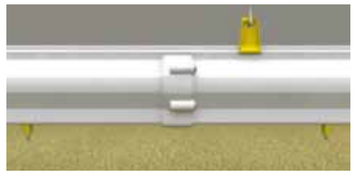
Drinking nipple

The nipple is screwed directly into the profile which makes it easy to clean from the outside as well.



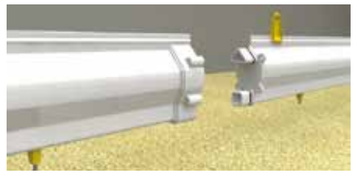
Mixer

In the Mixer additives, e.g. vitamins or medicines, are stirred permanently while being added to the drinking water.



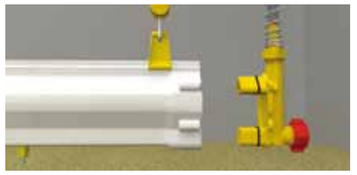
Coupling and suspension

The individual 3m-elements are coupled until they reach the desired length. The suspension is simply placed directly on the profile without the use of tools.



The plastic profile

The new profile of the TwinClean line has practically no interfering contours and is very easy to clean. Due to its special shape, it achieves the required stiffness even without metal elements.



Breather

The end piece for the circulation with breather at the end of each drinking line works e.g. in connection with the LUBING flush system fully automatic. Manual operation is no longer required even for the flushing processes.

Function

The drinking water in the TwinClean Line is continuously circulated inside the drinking line. In addition a pump is installed in the circulation unit, which pumps the water with defined pressure to the upper line of the drinking line profile.
The water runs to the end and flows back again in the lower nipple pipe to the pump.
A float switch regulates automatically the pump unit. It ensures that the pump do not run without water.
As with other LUBING drinking systems, the height of the water column is set at the pressure regulator. The correct height adjustment is measured at the breather at the pressure regulator.
The flow rate of the pump can be adjusted with the flow rate controller. The adjustment depends of the installed drinking line length and is only made once with start-up.
The balls in the two front breathers indicate the difference of pressure between upper and lower line.
The drinking line principle is laid out in such a way that the pressure at the end of drinking line is always higher as in front at the pressure regulator. Therefore drinking line lengths up to 120 m with only one front connected pressure regulator can be realized.

The advantages at a glance:

- **No standing water in the drinking line.**
- **Uniform water temperature in the entire drinking line.**
- **Uniform distribution of vitamins and medications.**
- **Secure transport of water by means of the double pipe cross-section and additional pump.**
- **Drinking line with hygienic contour that allows easy and thorough external cleaning.**
- **Drinking lines up to 120 m with front connected pressure regulator.**