



## ***Cleaning Unit for conveyor chains***



***Secure and reliable  
cleaning of all **LUBING**  
conveyor chains***

# Cleaning unit for conveyor chains

The LUBING cleaning unit was developed to clean conveyor chains for egg transportation. The ultrasonic cleaning process works with hot water and the addition of cleaning liquid. In doing so, the unit removes dirt and therefore the medium for bacteria and fungus infestations from the entire conveyor chain safely and reliably.

The cleaning unit can be integrated into an existing conveying system. A permanently installed deflection unit for the bottom chain in the conveyor is required for this purpose. The cleaning unit is suitable for stationary or mobile use.

## Cleaning process

The deflection unit immerses the bottom chain in the cleaning basin. Then the cleaning basin is filled with water. The integrated heater is switched on and heats the water to the adjusted temperature which is approximately 80°C. Once this temperature is reached, 1-3% cleaning liquid is added to the cleaning basin.

The cleaning process starts when the ultrasonic units are switched on. The conveyor is also switched on and runs through the cleaning basin at the standard speed (6.5 m/minute).

Due to the heated rods, the conveyor chain dries automatically after passing through the cleaning basin. Once the cleaning process is completed, the conveyor chain can be extracted from the cleaning basin with the deflection unit.

The cleaning solution is subsequently drained from the cleaning basin – for example into the sewer (please observe local regulations!). After each cleaning cycle, the cleaning basin must be thoroughly rinsed with fresh water.

## Technical Data

It takes approximately 180 minutes for the water in the cleaning basin to heat up.

The actual cleaning process at a conveyor length of 100 m (which corresponds to a conveyor chain length of 200 m) takes approximately 35 minutes. 2 to 3 passes are required, depending on the contamination of the conveyor chain.

Regular cleaning intervals at least every 3 months are expedient. More frequent cleaning is recommended if required. One charge of cleaning solution is sufficient for approximately 600 m of conveyor chain.

## Cleaning basin

The mobile cleaning basin on casters contains two ultrasound units to clean the conveyor chain, as well as heating elements to heat the water.  
Size: 140 cm x 82 cm x 110 cm



## Deflection unit

The deflection unit immerses the bottom chain in the cleaning basin during the cleaning process. After the cleaning process is complete, the deflection unit extracts the conveyor chain out of the cleaning basin.



Further information available at: [www.lubing.com](http://www.lubing.com)

Technical modifications reserved.

# LUBING



Drinking-Systems  
Conveyor-Systems  
Climate-Systems

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