

„The multi-level warning system of the milk guard gives me more security. In case of cooling problems I can react early. This saves me from financial losses.“

Markus Holzrichter, dairy farmer in Halver



Clever economies

Some suppliers also offer the following options to make the use of the milk guard even more efficient:

- Equipped with battery to bridge power failure.
- Message by SMS or by phone on alarm.
- Additional module for tank cleaning: checking the detergent.
- Data access possible for farmer, for example via app for smartphone.
- Data transfer possible online, for example for remote maintenance.
- Connection is possible for several tanks



Further information

The step-by-step commitment to tank monitoring is one of the proposed amendments in the 2017 regulations. In the short term, along with the invitations to the Membership Meetings, you will receive further information about any proposed changes. Would you like further information? Then come to one autumn meeting in your area. The meetings will take place from 17 October to 11 November. On the invitation you will find the dates and locations of the meetings in your district.

Disclaimer

The information of the milk guard models comes from the suppliers. Friesland Campina is in no way liable for any mistakes. When purchasing the Milk Guard, make sure that our requirements are listed in the contract with the manufacturer.

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FrieslandCampina
nourishing by nature



Constant improvement of the quality assurance of milk

Milk guard are required from 2018



Quality is the basis of success

High-quality milk and a healthy dairy herd are the pride of every dairy farmer. They form the basis of success for your farm and FrieslandCampina. For the confidence in the milk and the milk products of FrieslandCampina we must be able to prove at any time that the milk is of high quality and the assurance of quality is excellent. The Milk guard is a tool for that.

Milk Guard

The milk guard is used for temperature control in the cooling and cleaning process of your milk tank. It warns you if there are deviations in the cooling process and if there is a fault in the cleaning and the agitator, thus ensuring milk quality. By early alerts, problems with milk storage can be remedied in good time, so that economic damage can be prevented.

A milk guard has been mandatory in the Netherlands for years. In order to further improve milk quality assurance in Germany and to harmonize the regulations,

the Executive Board has decided to gradually introduce the tank monitoring obligation for all member companies of FrieslandCampina from 2018 onwards.

Support for your decision

With this brochure, we would like to provide you with clear information about the current requirements and possibilities of tank monitoring. In addition, this booklet points out further important points that you should consider when buying a tank guard.

recommendation

The following types of milk guards meet the requirements of FrieslandCampina:

- Alcona: ALC-TWG / TWU1000 and ALC-TWG / TWU2000
- DeLaval: T150 / 250 and T300
- Etscheid: EMW2100
- GEA: ExpertGuard
- Mueller: M3, MilkGuard Extra / FP, MM96 and MM99
- Packo: iControl

Further information on the individual types can be found in the milk-web.

Requirements for the milk guard

function	parameter	limit	alarm	for whom relevant?
Monitoring the storage temperature of the milk	temperature too high	> 5,5 ° C maximum 3 hours (adjustable)	optically and possibly acoustically	farmer
	temperature too low	<0,5° C immediately	optically and possibly acoustically	farmer
Critical alarms	power failure	>7°C at least 5 hours	Optically and possibly acoustically Message „Do not lead milk“	farmer and milk tank driver
	temperature too high, depending on temperature and duration	>28°C 5 hours >16°C 6 hours >13°C 10 hours	Optically and possibly acoustically Message „Do not lead milk“	farmer and milk tank driver
Check homogeneity milk (stir)	failure agitator	<2 minutes per 30 minutes	optically and possibly acoustically	farmer
empty tank message	warm cleaned	> 40 °C	optical (positive signal)	farmer
Empty tank Message	tank empty	not relevant	optical	farmer
Data storage	regular data collection storage time	cooling: 15 minutes cleaning: 2 minutes >90 days		Data readable by mechanics

Other important criteria:

Permanent mains supply, this means not interrupted by the switch or plug.

Position of the tank guard between entrance door and tank, clearly legible for milk tank driver; Height of the display between 1.50 and 1.75m.

Service is guaranteed within 24 hours if the milk guard malfunctions

Agree in the contract with the supplier that the tank monitor complies with our requirements. The retrofitting should be done without intervention in the electronics of the tank because of warranty and liability issues: For foreign makes, the Machinery Directive must be observed.

Sales consultant

Before purchasing a milk guard, you can contact your sales representative to discuss the different aspects involved in your decision. Furthermore, you will be informed about further requirements (for example, size tank outlet).

