

## MIII control unit

### Main features

- Tank control, 'MilkGuard' and installed interface for robotic milking systems.
- Total control and monitoring of all cooling, cleaning and agitation functions.
- All processes can be fully adapted to the user's individual cooling and cleaning requirements.
- Can be installed on new or existing Mueller Europe 'O' and 'P' series milk cooling tanks.



### Control panel and display

- Modern design.
- Large display showing milk temperature, date & time and full system status information.
- Automatic change-over between summer & winter times.
- Selectable user interface language.

### MilkGuard and logfile

- Measurement and storage of milk temperature, cleaning water temperature, functioning of the condensing unit(s) and agitator motor(s), general malfunctions.
- Event log containing all operations for a minimum period of 6 months. Can be viewed on the display or transferred to a PC/laptop.
- Indication of malfunctions and alarms on the display with audible alarm to inform the user.
- Indicator with 3 LEDs to show whether or not the milk is stored according to the settings.

### Quick Cleaning System

- System based on direct-to-drain principle.
- Reduced 'down-time' of robotic milking systems due to shorter cleaning times.
- Water level sensors to ensure correct amount of wash water independent of water supply pressure.
- Automatic detergent dosing and control system with automated switch to acid.

### Cooling and agitation

- Control and monitoring of condensing unit(s) and agitator motor(s).
- Delayed start of cooling for first milking based on adjustable waiting time or milk level in the vessel\*.
- Deep cool switch.

\*) requires Milk Level Detection sensor



MIII control unit.

Large display showing milk temperature, date & time and full system status information

## Robotic milking system interface

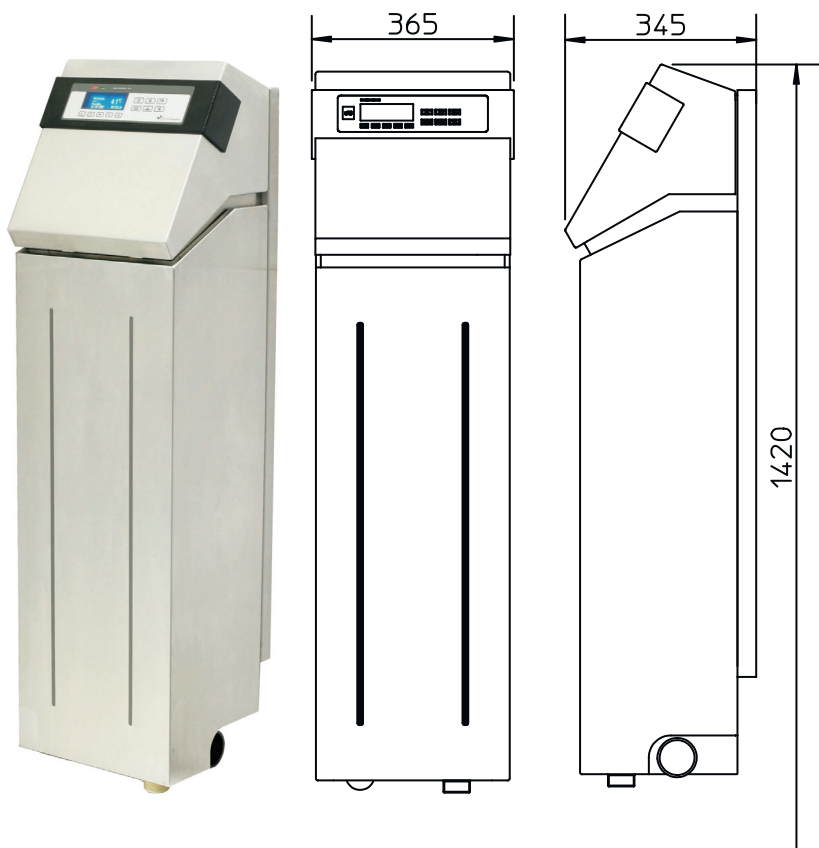
- Fully automated synchronisation of tank with robotic milking system.
- Integrated control of automated milk outlet valve for collecting milk for personal use.
- Control of presence of cleaning water.
- Alarm relay.

## Options

- Milk Level Detection sensor for milk vessel contents shown on the display.
- Low level Cooling facility to commence the cooling process even at very low levels of milk in the vessel.
- Control unit can be supplied as a hang-alone system for externally located milk cooling systems.
- GSM communication module.

## 'MIII' hang-alone system

- Suitable to operate with milk cooling systems installed externally (both horizontal milk cooling tanks and vertical silos and existing "old model" milk cooling tanks).
- The MIII hang-alone unit can be installed inside the dairy near to the milk collection outlet valve or on the front of the existing tank. This provides a safe, secure and frost-free environment for both the user and milk tanker driver.
- The cleaning programme and quantity of water can easily be adjusted per milk cooling tank to ensure optimum cleaning of any type of horizontal milk cooling tank or vertical silo.
- Control of an external Inline water heater (ILH-system) is included.



### Mueller Sales

Narcisstraat 14

P.O.Box 138

9400 AC Assen

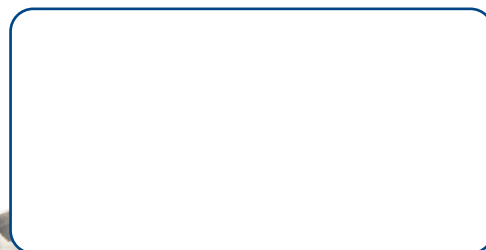
The Netherlands

T: +31 (0)592 361 600

F: +31 (0)592 361 601

E: info@muellerbv.com

Your Mueller dealer:



[www.muellerbv.com](http://www.muellerbv.com)

