ARGOS Control system

Total control of the milk cooling process

Wedholms is a leading provider of customer-focused premium solutions for the milk cooling business all over the world. Argos is our innovative system for controlling, supervising and registering all operations in the milk cooling tank. With the addition of the Milk Tank Manager software, all processes can be monitored and controlled on distance.

Argos enables the milk cooling tank to be directly connected to a server. Using the software Argos Navigator, the farmer and technicians can get access to the data in multiple ways; via USB cable, via a local network on the farm, or through the internet. Argos is equipped with a wide range of features aiming to secure problem-free operation: compatibility with robotic milking systems, a complete control panel for programming cooling temperature, agitation, cleaning functions, and a range of optional components.

ONE CONTROL PANEL FOR FARMER AND MILK TRUCK DRIVER

The functionality in Argos is simple and user-friendly. It is available in many languages and every step has integrated help-texts to further facilitate operation. All processes are surveilled and adjusted via the control panel. Compared to its predecessors, Argos offers several improved functions for e.g. fine-tuning temperature, optimising cleaning, and registering and analysing data. Other features are larger LED icons, upgraded button setup, and the use of simply one button to control emptying of the tank.

Monitor, analyse and control every process in the tank

Argos has been developed to provide convenient control of milk tank functions, resulting in increased security and cost efficiency. The user-friendly menu system is structured in different levels, from basic every-day functions to seldom-used advanced operations.

LOGGING AND HISTORY

The program Argos Navigator presents regular process status as well as historic procedures, enabling the user to extract useful data and optimise functionality.
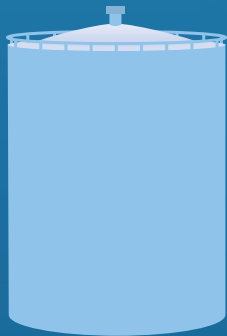
EMPTYING

To facilitate the emptying procedure, the milk truck driver needs to use only one dedicated button to get instant access to the emptying functions.
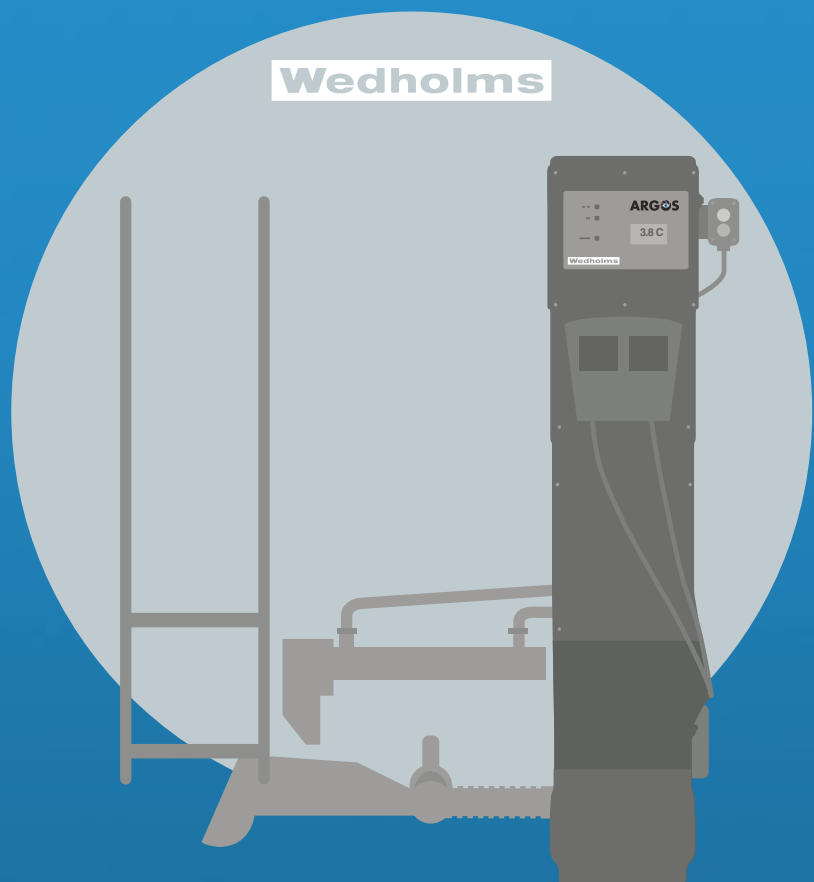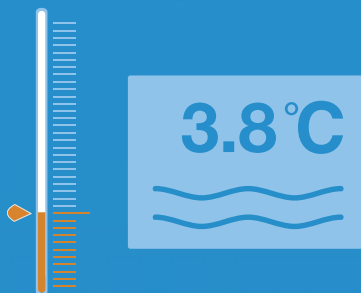
AGITATION

The agitation function can be programmed according to customer requests regarding cycle and intervals, speed, temperature, delay options, etc.

AUTOMATIC MILKING SYSTEMS

Argos includes several functions specially designed for automatic milking systems (AMS). The exact set-up may vary between different AMS manufacturers.

3.8°C

COOLING

For optimised operation, the cooling function can be programmed in multiple ways. The cooling process includes four steps; pre-cooling, delay, primary cooling and secondary cooling.

REMOTE CONTROL

The web-based software Milk Tank Manager allows all data from the milk tank to be registered and controlled on distance, bringing increased security as well as economical and environmental savings.

1 2 3 4

CLEANING

The unique 360° spray head secures unprecedented hygiene and milk quality. Argos includes four basic cleaning programs, with several options for pre-rinsing, cleaning, rinsing steps and draining.

CONDUCTIVITY SENSOR (OPTION)

Programmable function for controlling detergent concentration and detection of any water remains in the tank after cleaning.

CAPACITY REGULATOR (OPTION)

Programmable function for preventing ice formation when having small milk quantities in the tank.

SECOND DRAIN VALVE (OPTION)

The valve is used for re-using the water from the first rinsing procedures in the cleaning program, for example to be used as drinking water for the calves. This option is available in a kit, for convenient upgrading of older tank models.

HEATER (OPTION)

The tank can be equipped with a 10kW booster heater to help providing sufficient amount of heated water during the cleaning of the tank. For extra convenience, the heater is connected to Argos which controls the heater until the right temperature has been achieved in the cleaning process.

TANKGUARD (OPTION)

Tankguard is a series of functions, dedicated to a specified dairy processing company and used for ensuring quality milk.

VOLUME MEASUREMENT

Argos is prepared for connection to an external indicator for volume measurement. The volume is shown in the display.

PARTIAL COLLECTION

Argos has a function that controls the signals between the tank and the AMS, making it possible for the dairy to collect only part of the milk in the tank.

MILK TANK MANAGER

Turn the page and learn more about how Milk Tank Manager can give the farmer, dairy processor and milk truck driver full control of the tank functionality.

QUALITY AND SERVICE TO COUNT ON

As a Wedholms customer, you are truly being taken care of; from planning and configuration to long-term service and support. Our vast network of partners assure that assistance and spare parts are always close at hand. All Wedholms milk cooling tanks and components comply to relevant EU standards.

Milk Tank Manager – technology meets convenience

Milk Tank Manager is a web-based software specially designed to control all the tank functions in collaboration with Argos. Real-time updates from the tank are continuously uploaded on the Milk Tank Manager website, generating a history of tank performance for the user to analyse. The user can also adjust all settings of the tank via the website.

Milk Tank Manager is very useful regardless the number of tanks. For the dairy processing companies owning the tanks, Milk Tank Manager enables complete overview and control from distance. This means easier work flow, lower service costs, and improved control and security for the farmer, dairy processing company, and milk truck driver.

For the individual farmer, the most obvious benefit is increased security through the supply of information and alarms from the tank to the farmer's cell phone or computer. Access can also be provided to e.g. the service technician or the dairy, bringing advantages such as increased flexibility and peace of mind.

The dairy processing company can profit from Milk Tank Manager even more, as they can compile all their tanks in the server. The company can extract status update and historical data about each tank, always making sure milk quality is preserved.

The major benefit for the milk truck driver is that he can check the status of the milk even before arriving at the farm. This means elimination of the risk of having poor-quality milk contaminating the tank, and better use of every route.

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