

Customised Bulk milk tanks Silo tanks

- Individually dimensioned from 10-40,000 litres
- Cooling tanks performed in stained steel and insulated on all sides
- Ice-free with extra cooling surfaces
- Large manhole access



Bulk milk tanks

RØ-KA Industri has for many years accumulated valuable know-how and expertise in the production of bulk milk tanks and accessories. As one of Europe's largest producers, you are guaranteed quality as well as the option of individual dimensioning of most tank sizes.

Insulation

- Isolated in the sides and on the top with 100 mm PU foam + 250 mm at the bottom
- All tanks are thermographically inspected to ensure flawless insulation

Cooling

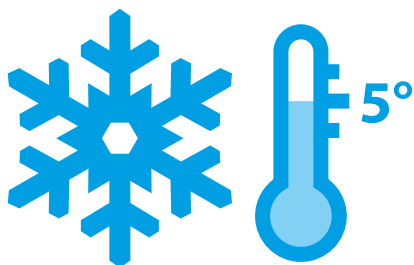
- The silos can be connected to cooling systems based on iced water or refrigerant and the tank is available with refrigerated inlet and outlet to customer specifications
- Laser welded cooling surface/evaporator for direct cooling with freon or R290 Propane
- Cooling effect at the bottom at -10 degrees: 22 KW
- Cooling effect in the sides at -10 degrees: 11/22 KW (small/large evaporator)
- Cooling on outlet tube (over 1 m)
- Documented cooling test ex-factory

Other features

- Large manhole (532x432 mm)
- Air outlet 114 mm
- Agitator motor 1.1 KW at 25 rpm
- 3" outlet tube for milk

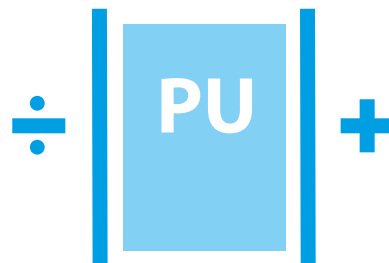


Cooling/refrigeration unit



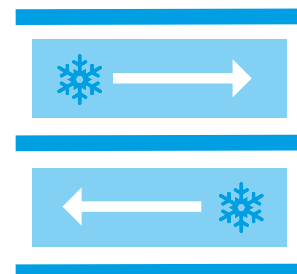
Constant low temperature is crucial if milk quality is to be assured. RØ-KA bulk milk tanks are therefore ice-free with additional cooling elements on their bottom and sides.

Insulation



All RØ-KA bulk milk tanks are full foam insulated with PU foam in sides, top and bottom. This ensures optimum, condensation-free insulation and reduces electricity requirements for refrigeration.

Refrigerated inlet/outlet



RØ-KA bulk milk tanks can be custom built to customer specifications with refrigerated inlet and outlet or prepared for robotic milking.

RØ-KA

TANK MONITOR

- Intelligent tank monitoring
- Monitors milk temperature, cooling time etc.
- Touch-sensitive colour display
- Electronic alarm
- Complies with Arla requirement 08-15



Tank monitor

RØ-KA tank monitor ensures milk quality

Securing and documentation of correct milk temperature and cooling time is crucial in order to achieve maximum milk quality

- Monitors milk temperature, cooling time, agitator, washing temperature and conductivity
- Cooling/washing history for the latest 60 days appears on the touch-sensitive colour display
- Ability to export cooling/washing data to a spreadsheet
- Alarms can be sent via SMS and there is the option of monitoring via WiFi
- Complies with Arla requirement 08-15



About RØ-KA

RØ-KA Industri has for many years accumulated valuable know-how and expertise in the production of bulk milk tanks and accessories.

The factory was established in 1950 and is today one of Europe's largest suppliers to quality-conscious farmers.

RØ-KA products are characterised by high quality, which is backed up in all countries by a service team. Besides standard bulk milk tanks and accessories, our product range includes silo tanks, iced-water cooling and heat recovery systems as well as refrigerated tanks for other liquids, blood for instance.

Distributor:

RØ-KA

LEVEL SENSOR

- Monitoring of milk quantity
- Electronic alarm



Level sensor

Accurate monitoring of tank content

- RØ-KA level sensor monitors tank content (compensated for the milk density)
- Start/stop of 2-3 compressors
- Overfill alarm (relay to stop milking system at full tank)



About RØ-KA

RØ-KA Industri has for many years accumulated valuable know-how and expertise in the production of bulk milk tanks and accessories.

The factory was established in 1950 and is today one of Europe's largest suppliers to quality-conscious farmers.

RØ-KA products are characterised by high quality, which is backed up in all countries by a service team. Besides standard bulk milk tanks and accessories, our product range includes silo tanks, iced-water cooling and heat recovery systems as well as refrigerated tanks for other liquids, blood for instance.

Distributor:

RØ-KA

COOLING SYSTEM

- CO₂ neutral refrigerant gas system
- R290 propane gas
- 5-10% more energy-efficient than R407C/HFC solutions



Cooling system

Efficient and environmentally friendly refrigerant gas system

- R290 propane gas system
- 5-10% more efficient by comparison with the new refrigeration agents (R407C/HFC etc.
- Eco-friendly, CO2 neutral solution
- RØ-KA is the first manufacturer to use propane gas systems for milk cooling in direct expansion in the silo tank



About RØ-KA

RØ-KA Industri has for many years accumulated valuable know-how and expertise in the production of bulk milk tanks and accessories.

The factory was established in 1950 and is today one of Europe's largest suppliers to quality-conscious farmers.

RØ-KA products are characterised by high quality, which is backed up in all countries by a service team. Besides standard bulk milk tanks and accessories, our product range includes silo tanks, iced-water cooling and heat recovery systems as well as refrigerated tanks for other liquids, blood for instance.

Distributor:

RØ-KA 9500 MULTI WASHING/COOLING MANAGEMENT

- Complete integrated tank monitor, level sensor and quick wash
- Monitoring from PC for e.g. partial pick-up of milk
- Online file documentation
- Touch-screen in English, German and Danish



Washing/cooling management

with integrated tank monitor, level sensor and Quick Wash

Features

- Easy operation via touch screen in English, German or Danish
- Monitoring from PC for e.g. partial pick-up of milk
- Milk quantity gauge
- Built-in event log
- Online file documentation of cooling and washing procedures

Washing

- Measurement of chemicals during main wash and disinfection
- Washing temperature gauge
- Separation of washing water
- Drain through the 1" valve from the rinse pump
- Possibility of recovery of heat from the water

Safety

- Stops cooling in the event of agitator motor failure



Milking



Stopped



Pick-up



Washing

About RØ-KA

RØ-KA Industri has for many years accumulated valuable know-how and expertise in the production of bulk milk tanks and accessories.

The factory was established in 1950 and is today one of Europe's largest suppliers to quality-conscious farmers.

RØ-KA products are characterised by high quality, which is backed up in all countries by a service team. Besides standard bulk milk tanks and accessories, our product range includes silo tanks, iced-water cooling and heat recovery systems as well as refrigerated tanks for other liquids, blood for instance.

Distributor:

RØ-KA

SAMPLE EXTRACTOR

- Washable sample extractor
- Made of stainless steel



About RØ-KA

RØ-KA Industri has for many years accumulated valuable know-how and expertise in the production of bulk milk tanks and accessories.

The factory was established in 1950 and is today one of Europe's largest suppliers to quality-conscious farmers.

RØ-KA products are characterised by high quality, which is backed up in all countries by a service team. Besides standard bulk milk tanks and accessories, our product range includes silo tanks, iced-water cooling and heat recovery systems as well as refrigerated tanks for other liquids, blood for instance.

Distributor: