

Installation Instruction

RKC Trouble Shooting

Declaration of Conformity



V. 09.18 UK

1. RECEIPT / UNPACKING

Please check the cooling tank for transport damage immediately on receipt. Any defects must be registered on the freight bill or reported to the person responsible for delivery.

Remove the plastic sheeting prior to installation in the milking room, and check again to ensure that the goods correspond to your order.

2. INSTALLATION OF THE TANK

Install the tank in the milking room, observing the guidelines outlined below.

1. Adjust the tank supporting legs to ensure that the tank is horizontal.
2. Allow at least 600 mm between the tank and the wall for cleaning. Allow at least 2 metres of working space around the tank control panel/valves etc. (cf. regulation EN 50/087) for both operators and tank lorry drivers.
3. The outlet grating of the milking room must be accessible outside the tank area.
4. The minimum distance between the floor and the lower edge of the outlet pipe should be 100 mm.

3. SUPPLY OF WATER TO THE WASHER

Connect cold and hot water to the two studs on the side of the washer using a 1/2" hose.

Blue = COLD. Red = HOT. The water out valve of the washer should be connected with a plastic pipe direct to the floor outlet of the milking room to prevent detergents from damaging the floor.

4. SUPPLY OF CHEMICALS

Place the cans containing chemicals close to the washer – where this is according to applicable rules – and mount the two hoses/spikes in the correct cans. The spikes are clearly marked.



WARNING:

Never use detergents containing chlorine in combination with nitric acid.

NEVER MIX CHEMICALS!

5. INSTALLATION OF REFRIGERATION SYSTEM

Place the cooling unit (ensuring optimum ventilation) as close to the tank connections as possible. The best place for the cooling unit is outside on tiles or foundations. It should only be placed inside the milking room if the required ventilation has been provided. With regard to units incorporating heat recovery, it is important to place the cooling unit and heat recovery unit as close to each other as possible, and on the same level.

COOLING UNIT

1. Connect the tank and cooling unit with liquid and suction pipes, which have the same dimensions as those of the tank connection pipes.
2. Check that all valves are open (receiver and compressor valves).
3. Evacuate the entire unit twice to less than 10 mm/Hg with intermediate pressure equalisation to atmospheric pressure.
4. Pour in coolant. The type and amount are stated on the name plate on the tank/unit.
5. Check for leaks of your soldering.
6. Check that all pressure monitors are mounted in the open sections of compressor and receiver valves.
7. Check the setting of the pressure monitors:
 - Speed controller if mounted.

6. INSTALLATION OF ELECTRICAL SYSTEM

Connect the electrical cable of the cooling tank to the unit's control box according to the diagram below. Connection to the mains must be carried out by an authorised electrician.

Standard supply voltage: 1 x 230~J. 50/60 Hz or 3x400v/0 – 50/60 Hz.

Remember to earth the units correctly.

Other supply voltages are available by agreement.



About RØ-KA

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

The factory, which was founded in 1950, began production of the first generation of RØ-KA bulk milk tanks in 1967, and is today a well-known supplier to quality-conscious dairy farmers in many countries.

RØ-KA is renowned for high quality craftsmanship and the possibility of individual sizing of most tank dimensions.

RØ-KA exports a large number of tanks, and sales are supported by service teams in all countries. Besides standard bulk milk tanks, our product range includes silo tanks, iced-water cooling and heat recovery systems as well as refrigerated tanks for other liquids, blood for instance.

RØ-KA tanks can be connected to refrigeration units that use alternative refrigerants such as ammonia or iced water, and can be supplied with electric equipment as required.

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