

## **SILO TANKS** 10,000-40,000 litres

### Space saving solution for quality milk cooling

With decades of experience, research and development, Wedholms is a leading provider of customer-focused premium solutions for the milk cooling business all over the world.

Our products are designed to accommodate a very wide variety of modern milking systems, ensuring a reliable and economically sound investment.

#### **MAKE THE MOST USE OF AVAILABLE STORAGE SPACE**

The demand for large-volume milk tanks is continuously increasing, which makes storage space a critical issue. Wedholms' silo tanks provide excellent cooling arrangement when the available area is limited. The vertical design allows flexible placement, ensuring easy access for milk collecting as well as service and maintenance.

The silo tank is delivered in a complete package, with cooling unit for either conventional or robotic milking, and Interpac for efficient heat recovery.

#### **OPTIMISED FOR ROBOTIC MILKING FACILITIES**

The robust silo tanks in stainless steel can hold 10,000-40,000 litres of milk. Milk quality is preserved from the very first litre entering the tank, and together with a range of other features the silo tanks are the ideal choice in combination with automatic milking systems.

#### **ENERGY AND ENVIRONMENT IN FOCUS**

The silo tanks are designed to provide solutions that save both energy and the environment. With 100 mm polyurethane foam in the side walls and 130 mm in bottom and top, the thick insulation secures optimal thermal protection and improved compressor lifetime. The refrigerant, R134a, is one of the more efficient and environmentally friendly refrigerant on the market.

#### **COOLING UNITS OF OUR OWN DESIGN**

All cooling units are developed and produced by Wedholms in our own facilities. This ensures great opportunities for customisation concerning capacity, surrounding temperature, cooling time, milk collecting frequency, etc.

#### **ARGOS CONTROL SYSTEM**

For further facilitating the milk cooling process, the new Argos control system offers excellent overview and easy access



to several critical data, such as temperature and milk tank level. Advanced technology allows customised adjustments of functionality, cleaning process, agitation etc according to local conditions.

#### INTERPAC FOR ENERGY-SAVING OPERATION

Interpac, the Wedholms solution for heat recovery, is a standard system on all silo tanks. It makes use of the residual heat generated during the cooling process, ensuring a more economic and environmentally-friendly operation.

#### UNIQUE SPRAY HEAD

The Wedholms spray head is specially designed to guarantee thorough cleaning of the entire inside of the tank. Thanks to the spray head turning with minimum friction, the energy is focused on making a powerful water jet, eliminating calcium deposits and bacteria growth.

#### FURTHER BENEFITS

There are several features for quick and efficient cooling. For example, each condensing unit is tailor-made for a specific tank size and the silo tanks are equipped with three evaporators, two in the bottom and one on the side wall, with the option

to add more evaporators on the wall. Efficient cooling goes hand in hand with hygiene and quality. This is why the temperature sensor in the bottom of the tank never comes in contact with the milk. Together with milk outlet with separate cooling, this secures excellent hygiene and optimal milk quality.

#### OPTIONS

The Wedholms silo tanks are of a high standard also in the basic version, but there are a number of options and accessories that add to a fully customised solution: ladder with safety cage, self-cleaning outlet for milk sample collection at the manhole, milk level sensor, and energy-saving pre-cooling units, to name a few. The manhole can be placed in various positions around the silo tank.

#### 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.



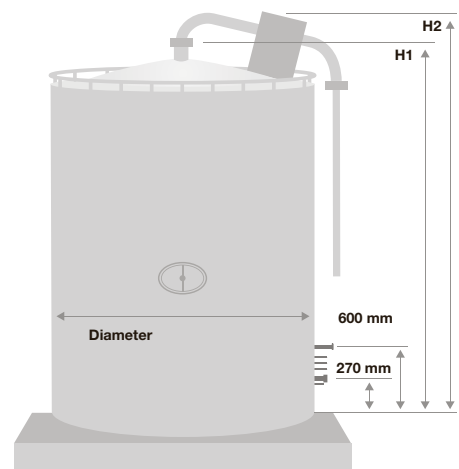
Silo installed with alcove, showing the air vent.



Argos control system.

#### TECHNICAL DATA

Type	Diameter	Height H1	Height H2
10000 L	3,000 mm	2,600 mm	2,830 mm
15000 L	3,000 mm	3,450 mm	3,680 mm
18000 L	3,000 mm	3,900 mm	4,130 mm
20000 L	3,000 mm	4,260 mm	4,490 mm
25000 L	3,000 mm	5,072 mm	5,302 mm
30000 L	3,000 mm	5,900 mm	6,130 mm
35000 L	3,000 mm	6,700 mm	6,930 mm
40000 L	3,000 mm	7,409 mm	7,509 mm



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