

# DeLaval Silo Tank

## Protecting milk quality at large volumes



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## Smarter Storage for Farms

**Smarter milk storage for robotic, parlour and rotary farming systems. Protect the quality of your milk with the DeLaval Silo Tank.**

As tanks get bigger, there's a need to protect the quality of the first litres of milk that enter the empty tank. The evaporators in the Silo Tank feature a unique lateral configuration that ensures milk quickly covers an entire evaporator plate for efficient heat transfer.

With tank volumes of up to 40,000 litres, DeLaval Silo Tank offers significant storage capacity. To protect the quality of such large volumes of milk, our Silo Tank provides optional side evaporators, to give you exceptional cooling capacity for tanks of this size.





#### **Low costs for agitation**

Two-speed agitation allows for efficient mixing, whether for small or large volumes of milk. The lower mixing speed helps reduce energy consumption on average by 20%.

#### **Even insulation – longer cooling**

Polyurethane coating process is controlled by an infrared camera to achieve highly even insulation. Never less than 50 mm on tank walls and uniquely thick insulation at base of tank help minimize energy costs. Also provides the best thermal protection and prolong lifetime for compressors.

#### **Gentle mixing**

Splashing at low volumes, which can damage milk quality, is prevented thanks to automatically controlled two-speed mixing.

#### **Soft-start and soft-stop of agitator**

Reduces wear and tear of gearbox and agitator paddle for longer service lifetime.

#### **Service whenever you want**

With an extra manhole on top of the tank, you can service the T-sprayer even with milk inside the tank and without stopping robotic milker.

#### **Over-flow protection**

When the tank is 90% full, an alarm instructs automatic milking system to stop milking and warns personnel.

#### **Cut energy costs by up to 60%**

When storing large volumes, it's recommended to pre-cool milk before it enters the bulk tank. DeLaval has a range of pre-coolers that can reduce total energy consumption for cooling by as much as 60% compared with direct expansion cooling. We recommend using instant cooling with DeLaval Compact Water Chillers and Plate Heat Exchangers.



#### **Safety air-vent system**

Minimizes the risk of tank damage due to negative pressure during both emptying and cleaning of tank.

#### **Efficient cleaning system**

Patented direct-to-drain technology with custom-designed T-sprayer provide optimum cleaning results protecting milk quality.

#### **Milk volume indicator**

Makes it easy to monitor the volume of milk in DeLaval D4X3S.

#### **Milk room access**

All connections from the tank lead into the milk room to ensure premium milk quality and full control over access to the tank.

#### **Stainless steel quality**

Provides mechanical strength and resistance to corrosion. Manufactured with high quality finish for long service lifetime.

#### **Outdoor installation**

Makes it possible to reduce the size of the milk room, while making it easier to expand your farm in the future.

#### **World-class evaporators**

The evaporators are extremely efficient, which prolongs the lifetime of the condensing units. Their high efficiency also helps to reduce energy costs.





*We live milk*

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