



VCool silo tank

Weather-proof cooling tank sends energy costs back to the Ice Age!

VCool silo tank

The practical, energy-efficient way to cool milk ...

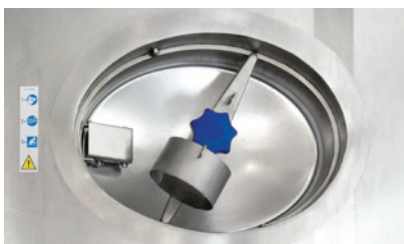
Large quantities of milk demand large tank volumes. The VCool silo tank from GEA Farm Technologies can hold up to 40,000 litres of milk but takes up very little space. The set-up area may only be small, however, with the vertically positioned tank large quantities of milk can be stored safely outside buildings – and, naturally, an optimal storage temperature reliably maintained. The top-quality stainless steel casing protects the tank whatever the weather and the excellent insulation prevents energy loss. All of these features make the VCool an ideal, inexpensive and highly energy-efficient tank solution!



Keep an eye on everything and your costs under control: The proven Expert control unit cools, agitates, cleans and monitors every function to ensure the lowest energy usage. Intuitive operation at an ergonomic height makes the program easy to operate and cleaning programs can even be customised in accordance with legal regulations! Available upon request with long-term data recording for herd management.



Configuration of VCool with extended outlet and Expert Tank Control: The VCool can now be used in a configuration where the silo is installed at a certain distance from the building in which the dairy is situated. In this case, the VCool control unit is installed inside the building separate from the VCool.



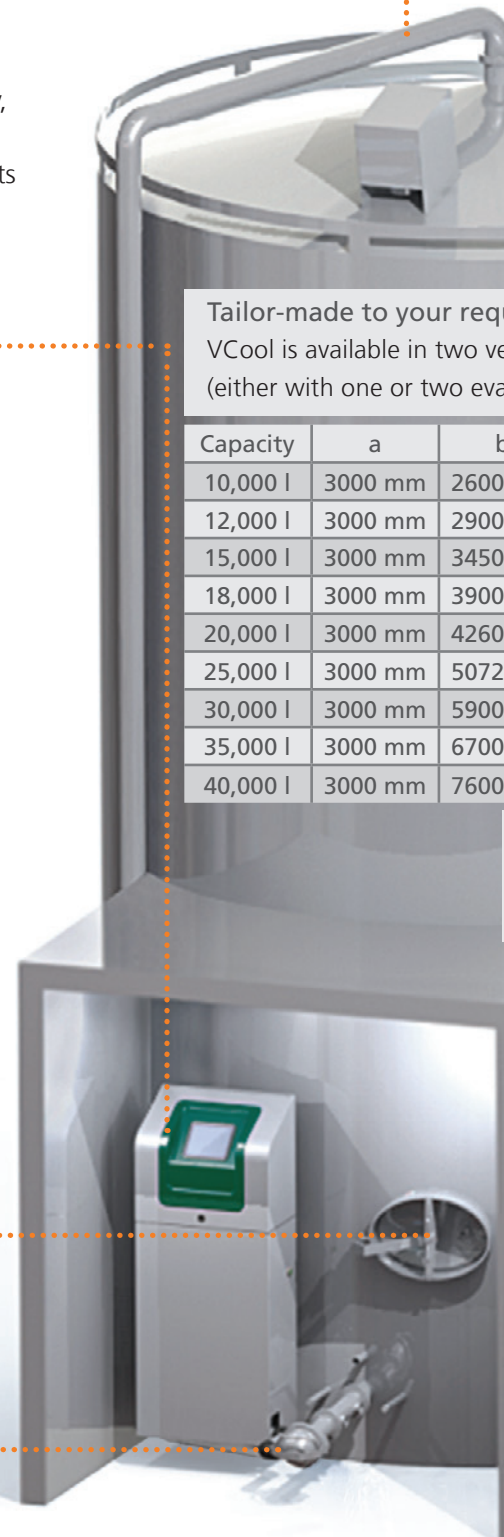
Quick and easy access inside the container: An inspection hatch with optional sampling equipment



Flexibly adaptable: Various connection options for the input / output of milk and water, optionally with a self-cleaning outlet

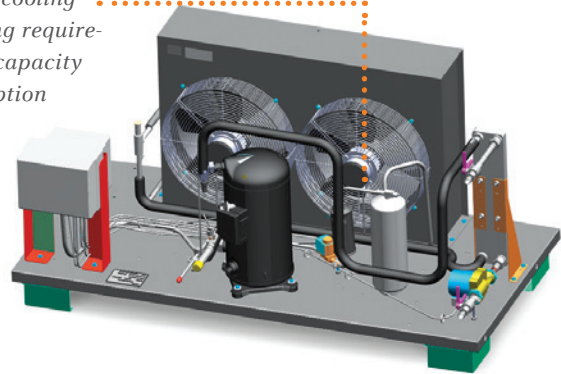
Tailor-made to your requirements
VCool is available in two versions
(either with one or two evaluation units)

Capacity	a	b
10,000 l	3000 mm	2600 mm
12,000 l	3000 mm	2900 mm
15,000 l	3000 mm	3450 mm
18,000 l	3000 mm	3900 mm
20,000 l	3000 mm	4260 mm
25,000 l	3000 mm	5072 mm
30,000 l	3000 mm	5900 mm
35,000 l	3000 mm	6700 mm
40,000 l	3000 mm	7600 mm



..... Enables tank ventilation, reliably prevents contamination of the milk: secure venting pipe

Optimum efficiency: New cooling units adapted to the cooling requirements of a higher cooling capacity with lower energy consumption



Requirements:
versions
(evaporators) and 9 sizes:

b	c	d
mm	2830 mm	1185 kg
mm	3130 mm	1333 kg
mm	3680 mm	1500 kg
mm	4130 mm	1650 kg
mm	4490 mm	1770 kg
mm	5302 mm	2025 kg
mm	6130 mm	2320 kg
mm	6930 mm	2610 kg
mm	7830 mm	2974 kg

a = External diameter
b = Height
c = Height with vent
d = Weight without alcove

... with assured quality and hygiene!



Guaranteed milk quality:
Gentle agitation ensures a reliable homogenisation of the milk throughout the whole tank. A conical floor makes sure that milk and rinsing water drain away completely.



Intelligent and efficient cleaning system:
A sprinkler with 6 water outlets and four additional water heaters guarantee reliable cleaning of the tank. The Expert control unit accurately monitors the cleaning cycles and the dosage of cleaning agent. In conjunction with the water pressure-independent level measurement, this ensures economical cleaning.

..... *Safety in the tunnel: An alcove between the milk chamber and the tank protects against bad weather conditions and unauthorised access (optional)*



Energy saving tip:

Take advantage of a heat recovery system and use the heat drawn from the milk to heat up the rinsing water!



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