

MILK COOLING TANK with DIRECT EXPANSION VM/DX 12000 - 35000 l

Characteristics

- › Vertical tank with laser welded efficient evaporator on the bottom and side of the tank.
- › With the pre-cooling of the milk with tubular or plate cooler it enters the tank around 20 °C.
- › Constructed of stainless steel 18/10 – AISI 304.
- › Sandwich panel construction with PU insulation gives an extreme rigid construction.
- › Space between floor and tank bottom is insulated, the heat exchangers are completely frost free.
- › Side manhole, optionally with sight glass.
- › Air vent Ø 150 mm, possible to connect to inside of building.
- › Milk inlet with bottom filling.
- › Large tank outlet 80, self washing outlet with butterfly valve and road tanker connection NW 50 or 65 (other milk road tanker connections on request, e.g. SMS, DS, RJT or IDF).
- › "Self washing outlet" easy to upgrade (not welded). Increased second hand value.
- › At the top of the tank safety eyes are foreseen to fix the safety belt
- › Tank conform international standards.

Tank control and display

- › All electrical tank components 1 ~ 230V 50Hz (other voltages / frequencies on request)
- › Milk temperature control with electronic operating unit DOLPHIN
- › Digital temperature indication with large LCD display
- › Two adjustable set points (3.2 °C and 4.5 °C)
- › Deep cooling (1.9°C)
- › Full automatic logging of cooling, agitation, cleaning and possible errors

Cooling and agitation

- › Thanks to the free evaporation and proper mixing of the milk the heat exchange is optimal.
- › A high cooling capacity is guaranteed
- › Cooling pipes pre-mounted with thermostatic expansion valve(s)
- › Two large agitator blades on a central shaft make sure that all the milk is homogeneous mixed
- › Agitator motor on top of tank, protected with stainless steel cover

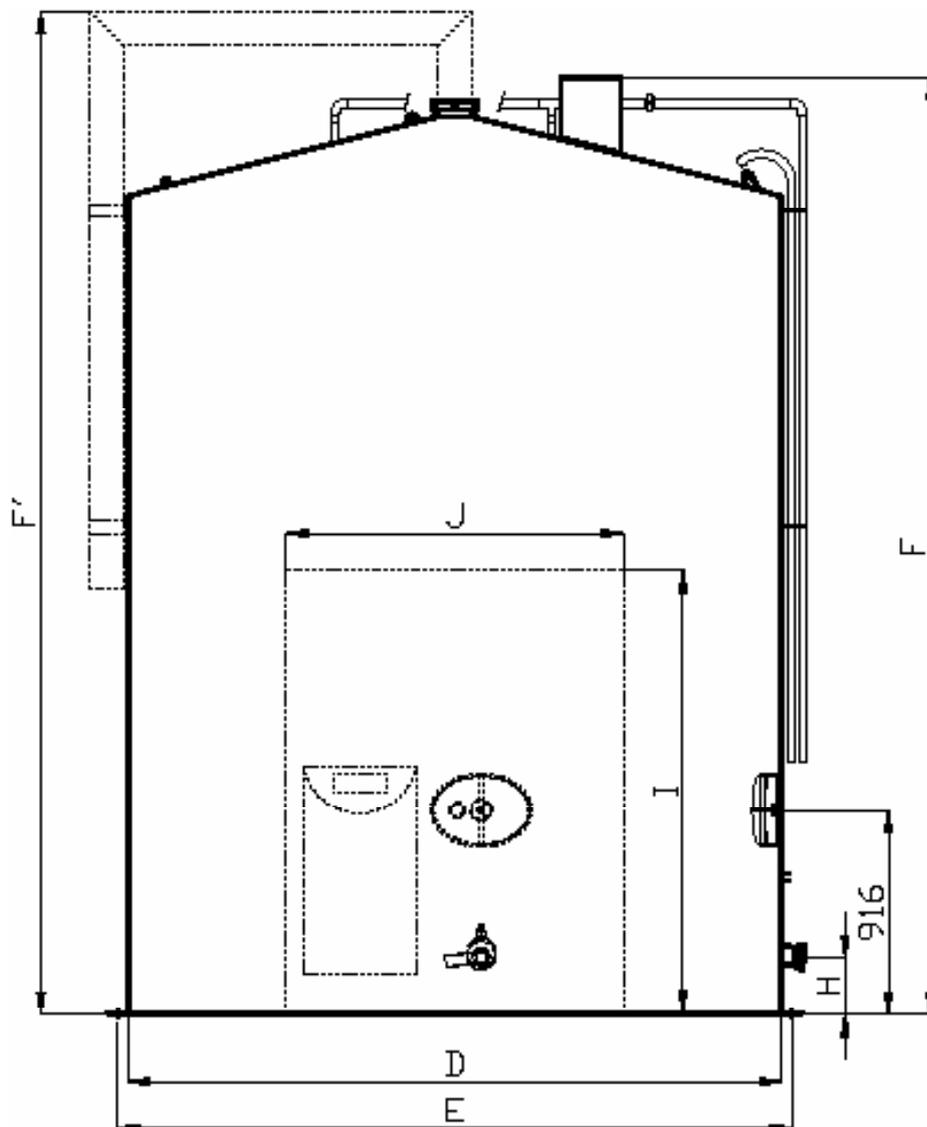


Cleaning

- › 2 automatic dosing pumps for detergents standard
- › Extremely accurate dosing of detergents results in low consumption
- › Automatic water level control for optimal filling and low water usage
- › Vertically mounted powerful stainless steel pump, no risk of freezing
- › High-pressure dynamic cleaning system with two rotating industrial spray balls

Available options

- › Manhole on top
- › Stainless steel ladder with safety cage
- › Alcove for tank installation against wall
- › Bottom filling with non return valve
- › Warning messages sent by SMS
- › Timer for manual cooling and cleaning
- › Tank adapted to AMS milking
- › OCULUS independent tank guard to monitor all tank functions
- › Selfwashing sample valve on the manhole
- › Signal empty
- › Indication volume



VM/DX Dimensions

Model	Max. cap. litres	D mm	E mm	F mm	F' mm	H mm	I mm	J mm	Weight kg
12000	12622	3000	3093	2850	3160	260	2040	1630	1820
15500	16123	3000	3093	3380	3690	260	2040	1630	1930
18000	18780	3000	3093	3755	4065	260	2040	1630	2040
21000	21810	3000	3093	4220	4530	260	2040	1630	2170
25000	25881	3000	3093	4840	5150	260	2040	1630	2320
30000	30805	3000	3093	5630	5940	260	2040	1630	2595
35000	35850	3000	3093	6405	6715	260	2040	1630	2810

6 mounting holes \varnothing 32 mm, evenly divided over the circumference
 Optional "alcove" and "air vent inside" are shown in dashed lines
 Weights without control; control = + 56 kg
 Available in 4 & 6 Milking and AMS milking

Subject to modifications. The photographs and descriptions provided are intended as a guide and may not always exactly match the items supplied.

