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# Milk cooler FIRST.S

Capacity  
of 1000 Liters

Compact hermetic cooling  
with single compressor

**Direct expansion  
milk cooler**

**50 Hz**

Model shown : First 1000.S



## Tank

Vertical cylindrical tank, with double jacket structure, with opening cover, consisting of :

- Inner tank, stainless steel AISI 304,
- Very efficient full flow evaporator laser welded,
- Outer tank, stainless steel AISI 304,
- Insulation with high density non CFC polyurethane foam, 40 mm thickness,
- Cover, stainless steel AISI 304, with filling hole (Ø 200 mm) with plastic cover, and gaz springs for easy opening,
- Four adjustable legs,
- Outlet valve Ø 51 SMS with plastic cover,

## Agitation and homogenization

Low speed gear motor (30 rpm).

Automatic safety stop of agitator at cover opening.  
Automatic programmed agitation as well as continuous agitation.

Homogenization of milk fat in 2 minutes according to ISO 5708 Standard.

## Cooling equipment

Separate hermetic type cooling unit for 2All Emerson reciprocating compressor 1xCR36.  
R 22 refrigerant.

## Electric equipment

Automate box RL 5, fastened on the cover including :

- the control interfaces (stop, refrigeration start, continuous agitation start),
- the regulation and display of the milk temperature,
- the management and the control of the cooling, agitation, and alarms functions,

Standard electric power : 230 V / 1P / 50 Hz  
or 400V / 3P / 50Hz.

## General equipment

- Exact calibration (accuracy 0.5%),

## Options

- Locking arrangement
- HP and LP security pressure switches,
- Cooling regulation with pump-down system,
- Emergency Cooling Switch.

## Standards

According to international standard ISO 5708 and European Standard EN 13732.

According to CE European Directive.

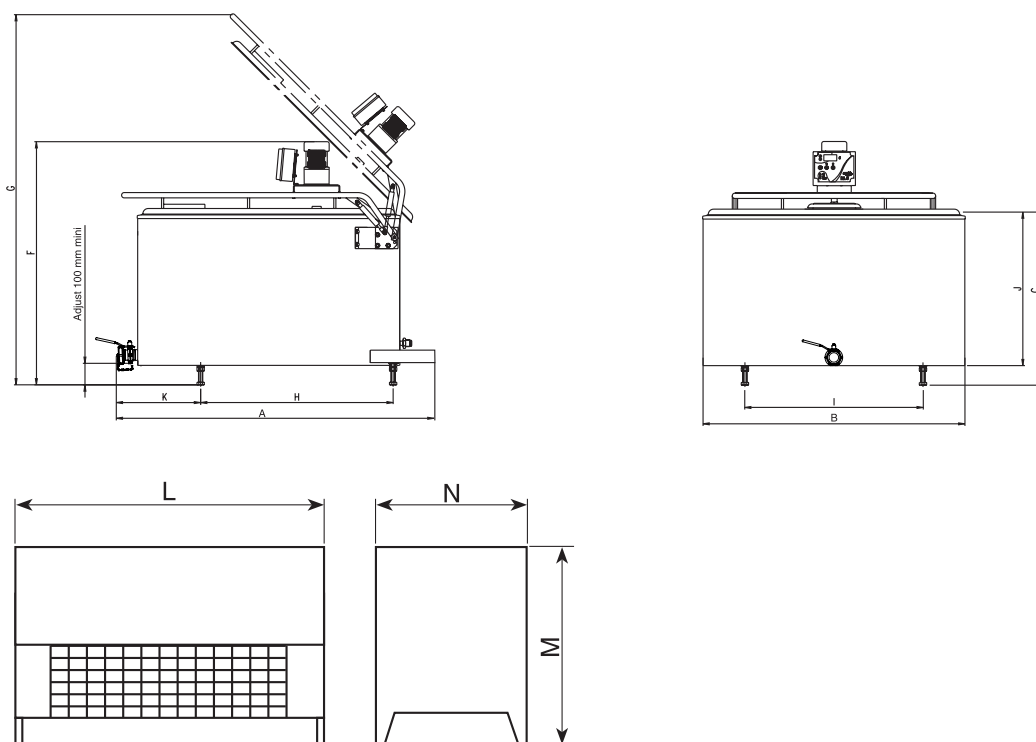
## Performance

2All Performance-Milk at 35°C cools down to 4°C within 3 hours. Results in an ambient temperature of +38°C - operating guaranteed at 43°C.

In these tanks the milk temperature, initially at 4°C, does not exceed to a value more than 6.1°C after 12 hours, in an ambient temperature of 38°C.

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Capacity of 1000 Liters



Type		First 1000.S
DIMENSIONS in mm - WEIGHT in kg - VOLUME in litres		
Nominal volume		1000
Maximum volume		1030
Gross Capacity		1050
Tank length (separated type)	A	1750
Width	B	1482
Minimum height	C	1005
Total height	F	1300
Height with open cover	G	2005
Distance between legs in length	H	1190
Distance between legs in width	I	838
Tank height, legs not included	J	915
Distance between outlet and front legs	K	370
Tank weight without cooling unit		195
SPECIFICATIONS (2 milkings - ISO 5708 - performance 2 A II)		
Cooling unit		CR36
Power (h.p.)		3
Executions		C/1V
Cooled nominal volume		1000
Standard electric power (50Hz)		230V / 400V
Length	L	910
Height	M	645
Width	N	880
Cooling unit weight		190

**Note :** The D heights are given with legs adjusted at minimum height ; the F and G heights are given with legs adjusted at maximum height.



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MILK COOLERS

FIRST.S 1000 L CR 36 2All ed 12/10