

# Milk cooler FIRST.SC

Capacities  
3000 and 5000 Litres

Separate hermetic cooling  
with double compressor

**Direct expansion  
milk cooler**

**50 Hz**

Model shown : First 5000.SC  
Option: - WASH 1010 washing system



## Tank

Horizontal cylindrical tank, with double jacket and self supporting structure 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, 45 mm thickness,
- Stainless steel adjustable legs mounted without thermal bridge,
- Lockable manhole Ø 450 with Ø 76 opening on lid for milk entry
- A Ø 76 pitting on tank back part for vent (possibility of reversing milk entry and vent),
- Outlet valve Ø51 with SMS threading

## Agitation and homogenisation

Low speed gear motor (25 rpm).  
Automatic programmed agitation as well as continuous agitation.  
Homogenization of milk fat in 2 minutes according to ISO 5708 Standard.

## Cooling equipment

Separate hermetic cooling unit for 2All.  
Refrigerant R 22.

## General equipment

- Exact calibration (accuracy 0.5%)
- Safety Switch HP/LP

## Electric equipment

- RL 5 Automate box, fastened in frontage
- 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.
  - Voltage relay,
  - Power box fixed on cooling unit support.
- Standard electric power : 400 V / 3P+N / 50 Hz.

## Options:

- Automatic washing system, Wash 1010
- Cooling regulation with pump down
- Thermal Relay for compressor protection
- Emergency Cooling Switch
- Inlet connections with locking facility.

## Standards

In accordance with international standard ISO 5708 and European Standard EN 13732.

In accordance with European CE norms.

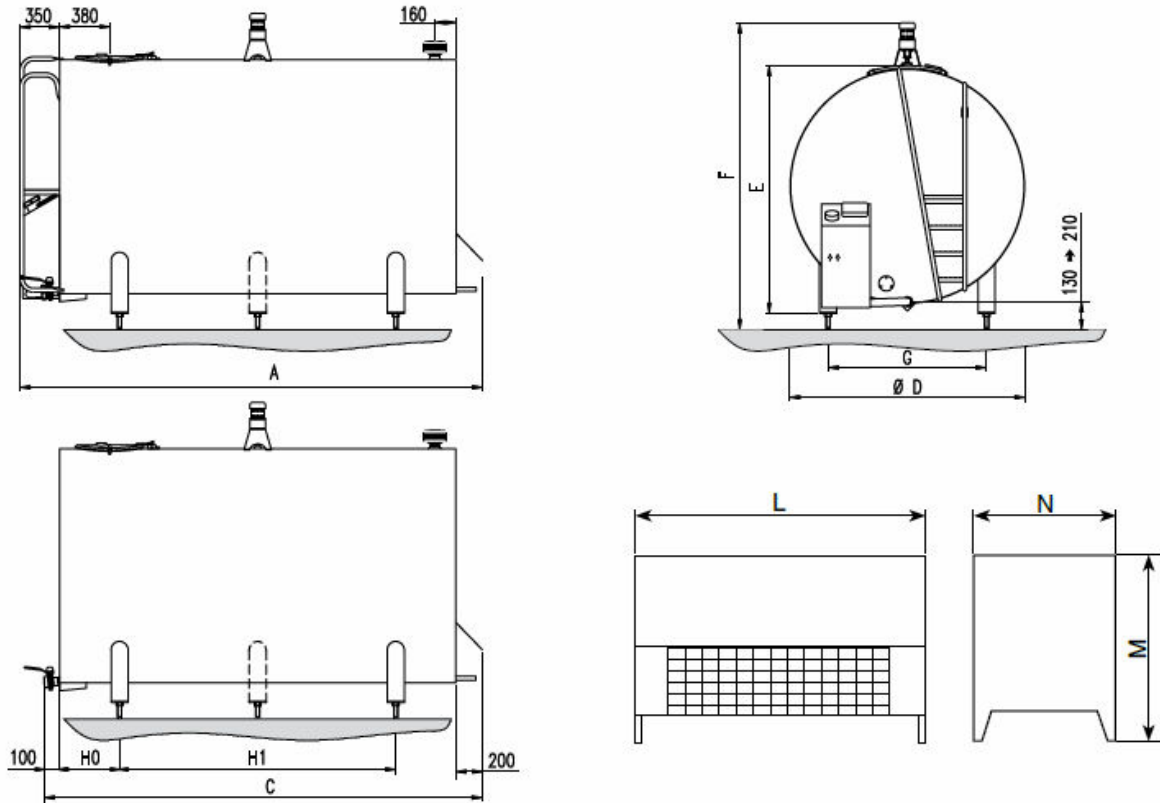
## Performance

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 5°C after 12 hours, in an ambient temperature of 38°C.

# Milk cooler FIRST.SC

Capacities 3000 and 5000 Liters



Model	3000	5000
DIMENSIONS in mm - WEIGHT in kg - VOLUMES in liters		
Rated Capacity-Litres	3000	5000
Maximum Litres	3170	5430
Gross Capacity-Litres	3220	5500
Total length	A	2290
Minimal tank length	C	2040
External diameter	D	1572
Tank height, legs and agitator not included	E	1730
Total height	F	2070
Lateral distance between centres of legs	G	1060
Distance legs / front face	H0	340
Longitudinal distance between centres of legs	H1	1373
Number of legs	4	4
Number of agitators	1	1
Tank weight without cooling unit(s)	450	800
SPECIFICATION (2 milkings - ISO 5708 - performance 2 A II) with R 22 cooling unit		
Cooling unit	2xKCG 554	2xZB48
Power (h.p.)	2x4,4	2x7,7
Executions	GS/2x1V	GS/2x2V
Cooled nominal volume	3000	5000
Standard electric power (50Hz)	Tri / 400V	Tri / 400V
Length	L	1280
Height	M	680
Width	N	930
Cooling unit weight	250	300

Heights F are given with front legs adjusted at minimum height with tank in its use position.

FIRST.SC 3000 and 5000 L KCG 5554 & ZB48 2 All with wah1010ed 02/10