

FIRST SV 2.0 Silo milk cooler

Capacities from 10,000 to 40,000 litres

FIRST SV 2.0 with thermal insulated alcove



Dairy room

Automatic washing unit

Outside

Concrete screed



Condensing units



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FIRST.SV 2.0 RAINBOW Silo milk cooler

Capacities from 10,000 to 40,000 litres

**Silo milk cooler
with direct expansion**

For an outdoor installation

Model shown : FIRST.SV 14,000 L

Tank :

- Double envelop tank with CFC-free foam insulation
- AISI 304 stainless steel inner jacket
- RAL 9006 coated aluminium outer jacket
- Laser welded "Full Flow" evaporator on the tank bottom
- Stainless steel tank bottom

Equipment :

Dome :

- Agitator,
- Vent with anti-insect grid and rain protection cap
- Lifting eye bolts (to use only with empty tank)
- Security ring on the roof
- Ladder support

Side :

- Autoclave door 410 x 505 mm with security locking
- RAINBOW automatic washing system
- Ø 80 DIN outlet valve with Ø DIN 50 or 65 reduction

Agitation and homogenization :

- Pendular agitation with an eccentric positioning and guided from the bottom
- Perfect agitation with a low speed motor (24 rpm)
- Rain protection cap coated with polyurethane painting
- Automatic cyclical agitation easy to program with the RAINBOW control unit
- Homogenization of the milk within 2 min

Cooling :

- Exact cooling capacity with or without pre-cooling
- Energy saving SCROLL compressors
- R 449A refrigerant
- Cooling regulation with thermostatic expansion valve
- Refrigerant anti-migration solenoid valve during compressor stop.
- Emergency cooling easy to start
- Assembly with remote condensing units

Electric equipment :

- User friendly RAINBOW control unit (see the WP-1K-A40 Brochure)
- Power box mounted on the condensing unit
- Power supply : 400V / 3Ph / 50Hz

RAINBOW Washing system :

- Automatic washing system with dosing pumps for two cleaning products (see the WP-1K-A40 Brochure)

Standards :

- In accordance with the International Norm ISO 5708
- Approved calibration available for the full range, from 10,000 l to 40,000 l



Options :

Tank :

- AISI 304 stainless steel outside jacket
- Alcove with aluminium sandwich panel and CFC-free insulation foam. Stainless steel design, if option Tank with stainless steel cladding

Indication of the milk volume certified:

- FIRST LEVEL 2 digital dipstick
- Exact calibration for Ø 2165 mm

Indication of the milk volume indicative:

- FIRST LEVEL 2 digital dipstick

Pipes and fittings

- Others Ø reduction and threads on request
- Ø 40 DIN non return valve for filling in the tank bottom
- Outlet wash
- Detection of the outlet valve position

Tank accessories:

- Cage ladder
- Vent connected to the dairy room
- Stainless steel cap for the agitator
- Diaphragm sample valve
- DEFINOX automatic valve
- KEOFITT sample valve

Cooling:

- Milk pre-cooling system
- Side evaporator with fitted condensing units
- Evaporator for ice water cooling
- ECOTEMP Heat recovery system

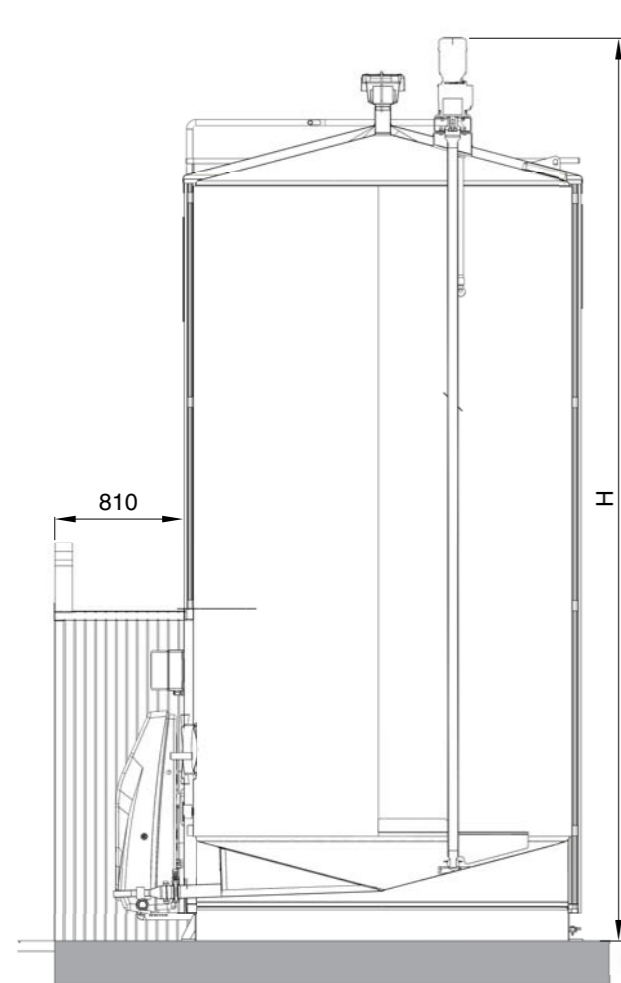
RAINBOW Washing system:

- Third dosing pump for disinfection product
- Additional outlet valve for water sorting kit
- Power heat

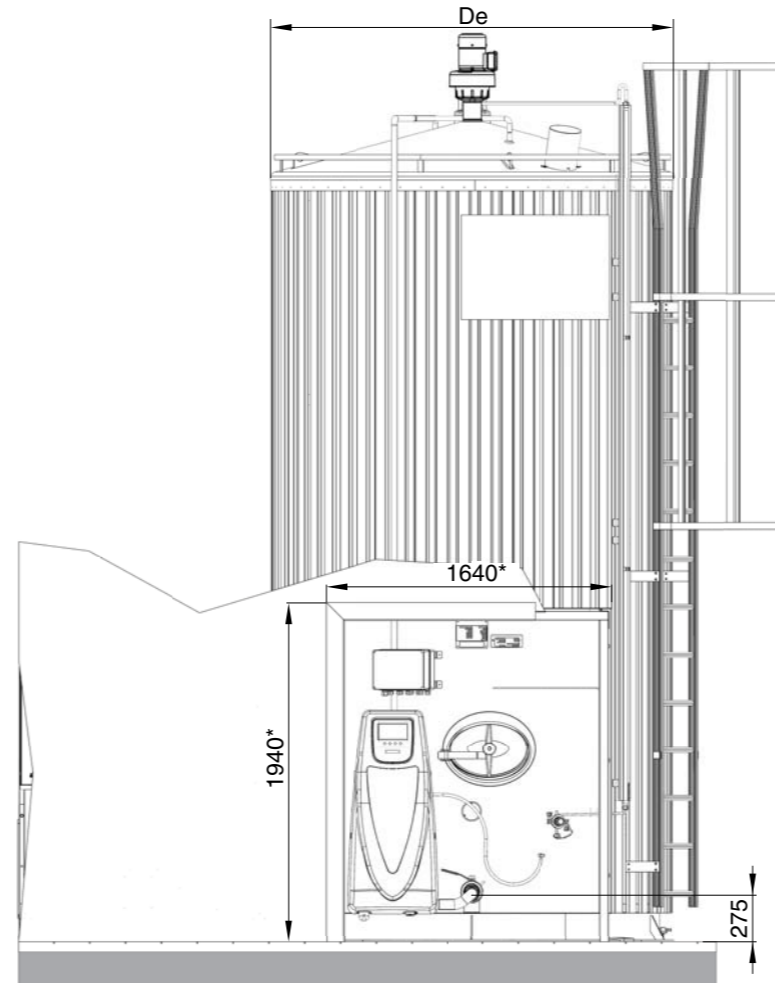
Electric connections:

- 5 m power supply cable
- Control unit for milking robot
- GSM Alarm

FIRST SV 2.0 Silo milk cooler

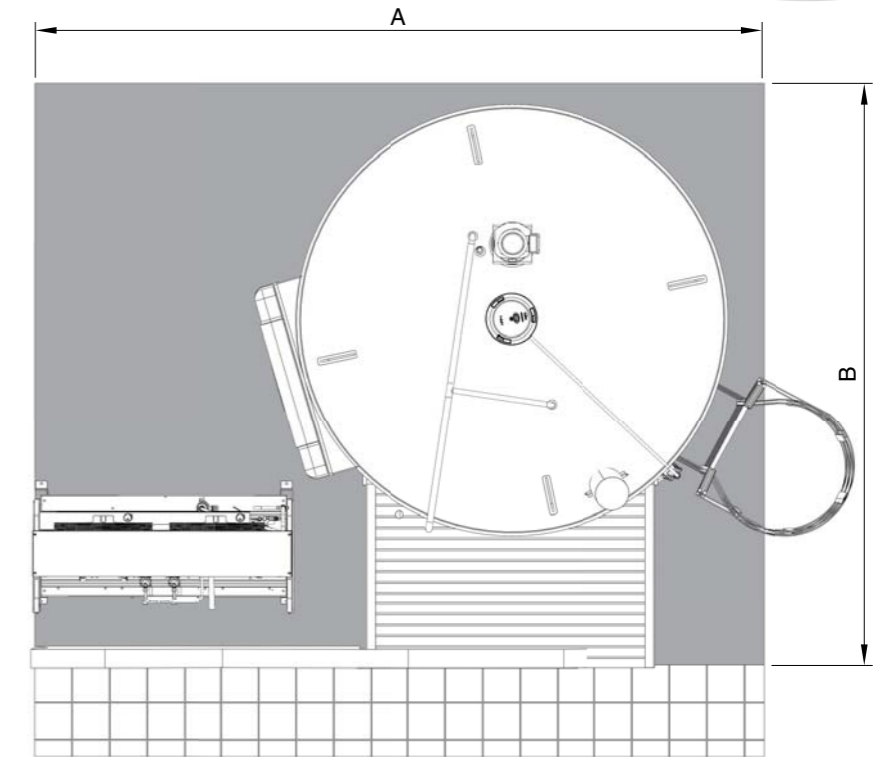


Note : Dimensions in mm



*Rating of the wall opening

Concrete foundation for the Silo milk cooler



	FIRST.SV 10,000 to 23,000 L	FIRST.SV 20,000 to 40,000 L
A	4,000 mm	5,000 mm
B	3,200 mm	4,000 mm

Capacities from 10,000 to 23,000 litres (External Ø 2,315** mm)

Model	Internal diameter 2,165 mm					
	10000	12000	14000	17000	20000	23000
DIMENSIONS in mm - WEIGHTS in kg - VOLUMES in Liter						
Nominal volume	10000	12000	14000	17000	20000	23000
External diameter	De	2315	2315	2315	2315	2315
Total height	H	4080	4630	5300	6140	6900
Tank weight		1150	1250	1400	1550	1700
Load on the ground in kg/cm ² (Tank full)		2,2	2,6	3	3,7	4,2
SPECIFICATIONS : 4 milkings equipment to cool the milk down from 35°C to 4°C with a 32°C ambient temperature						
Condensing units (hp.)	1x7 + 1x7	1x7 + 1x10	1x7 + 2x7	-	-	-
Weight of the condensing units	310	345	470	-	-	-
SPECIFICATIONS : 4 milkings equipment to cool the milk down from 20°C to 4°C with a 32°C ambient temperature						
Condensing units (hp.)	1x7 + 1x4	1x7 + 1x4	1x7 + 1x4	1x7 + 1x6	1x7 + 1x8	1x7 + 1x10
Weight of the condensing units	265	265	265	280	345	470
SPECIFICATIONS : 6 milkings equipment to cool the milk down from 35°C to 4°C with a 32°C ambient temperature						
Condensing units (hp.)	1x7 + 1x4	1x7 + 1x5	1x7 + 1x7	1x7 + 1x10	1x7 + 1x10 CD+***	-
Weight of the condensing units	265	270	310	345	355	-
SPECIFICATIONS : 6 milkings equipment to cool the milk down from 20°C to 4°C with a 32°C ambient temperature						
Condensing units (hp.)	1x7	1x7	1x7 + 1x4	1x7 + 1x4	1x7 + 1x4	1x7 + 1x5
Weight of the condensing units	190	190	265	265	265	270

***CD+ : oversized condenser

Capacities from 20,000 to 40,000 litres (external Ø 2,995 mm)

Model	Internal diameter 2,845 mm				
	20000	25000	30000	35000	40000
DIMENSIONS in mm - WEIGHTS in kg - VOLUMES in Liter					
Nominal volume	20000	25000	30000	35000	40000
External diameter	De	2995	2995	2995	2995
Total height	H	4660	5490	6420	7080
Tank weight		1750	2000	2250	2500
Load on the ground in kg/cm ² (Tank full)		3,3	4	4,78	5,5
SPECIFICATIONS : 4 milkings equipment to cool the milk down from 20°C to 4°C with a 32°C ambient temperature					
Condensing units (hp.)	1x8 + 1x7	1x8 + 1x10	1x8 + 2x7	1x8 + 2x8	1x8 + 2x10
Weight of the condensing units	345	380	500	570	570
SPECIFICATIONS : 6 milkings equipment to cool the milk down from 35°C to 4°C with a 32°C ambient temperature					
Condensing units (hp.)	1x8 + 1x10	-	-	-	-
Weight of the condensing units	390	-	-	-	-
SPECIFICATIONS : 6 milkings equipment to cool the milk down from 20°C to 4°C with a 32°C ambient temperature					
Condensing units (hp.)	1x8 + 1x4	1x8 + 1x5	1x8 + 1x8	1x8 + 1x10	1x8 + 1x10 CD+***
Weight of the condensing units	300	305	380	380	390

***CD+ : oversized condenser