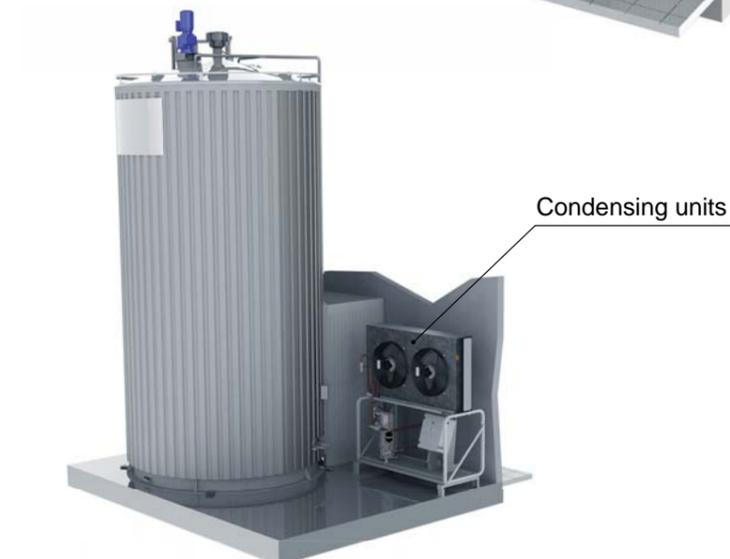


FIRST SV 2.0 Silo milk cooler

Capacities from 10,000 to 40,000 litres

FIRST SV 2.0 with thermal insulated alcove



www.groupeserap.com

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 404A 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

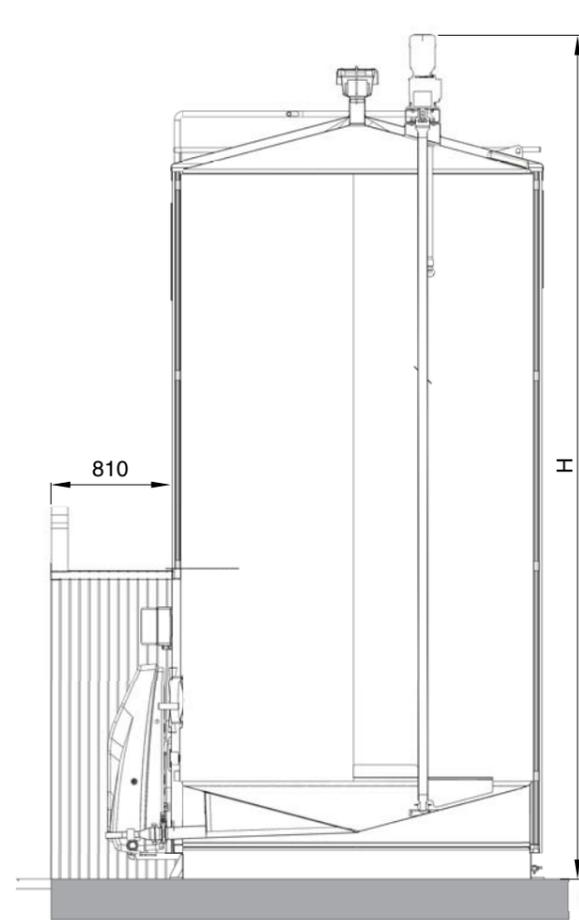


ROUTE DE FOUGÈRES • CS40011 • 53120 GORRON • FRANCE
TÉL. (+33) (0)2 43 08 49 49 • FAX (+33) (0)2 43 08 66 19
serap-industries@groupeserap.com • www.groupeserap.com

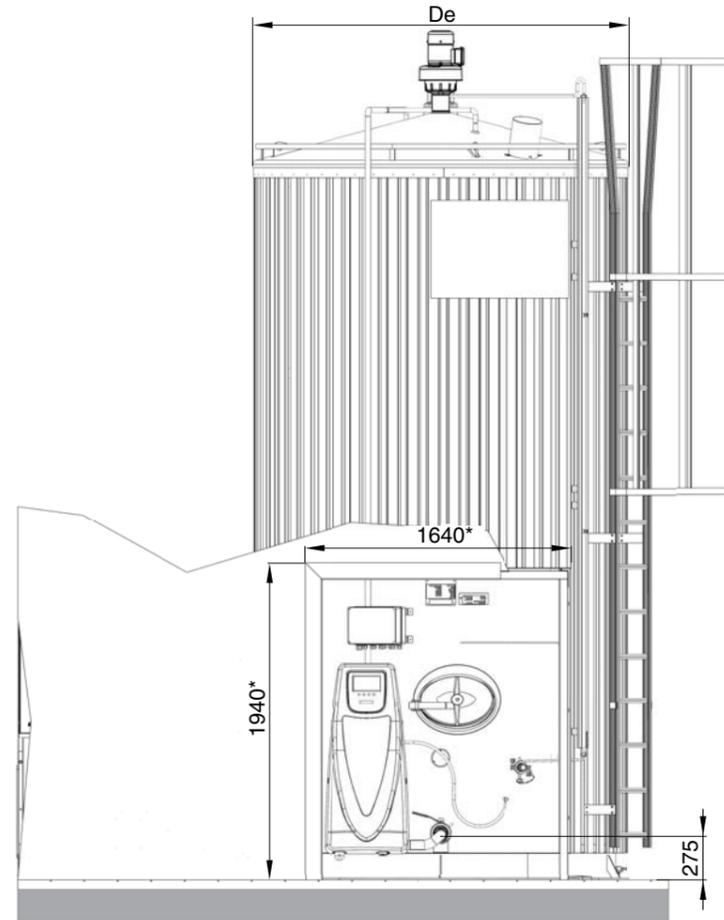


WP-1S-A03-1-D ed. 04/17

FIRST SV 2.0 Silo milk cooler

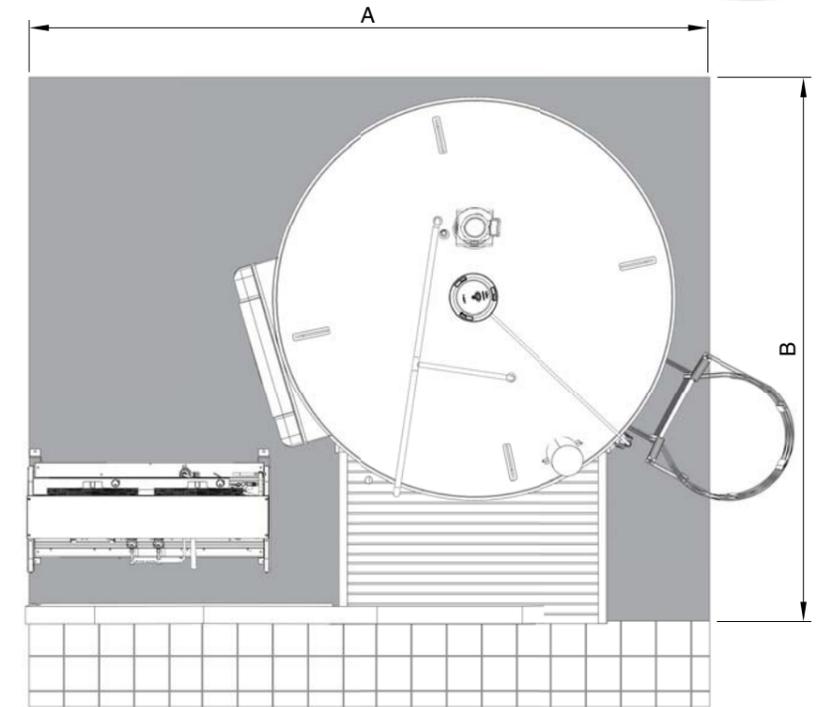


Note : Dimensions in mm



*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 2,308** 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	2308	2308	2308	2308	2308
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.)	1x7,5 + 1x4	1x8 + 1x5	1x8 + 1x8	1x8 + 1x10	1x8 + 1x10 CD+***
Weight of the condensing units	300	305	380	380	390

***CD+ : oversized condenser