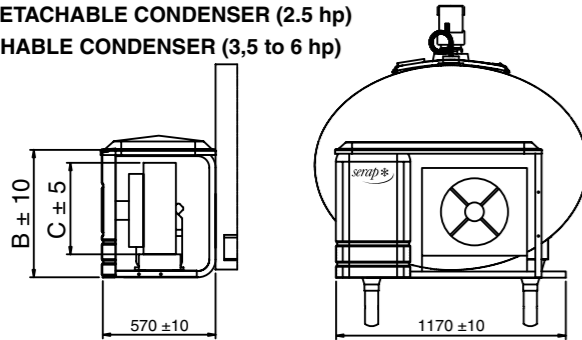


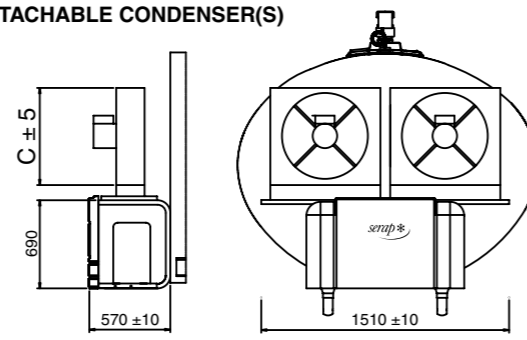
Milk cooler FIRST.SE

Executions

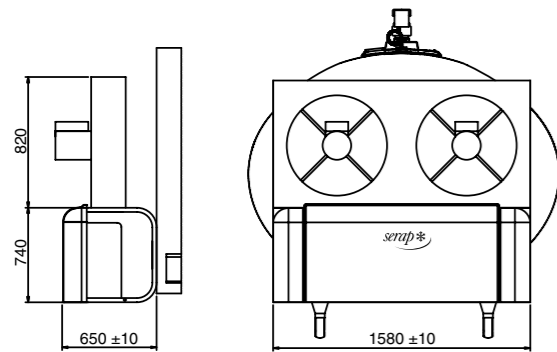
Assembly C/1V with 1 cooling unit from 2.5 to 6 hp
COMPACT VERSION WITH
NON-DETACHABLE CONDENSER (2.5 hp)
DETACHABLE CONDENSER (3,5 to 6 hp)



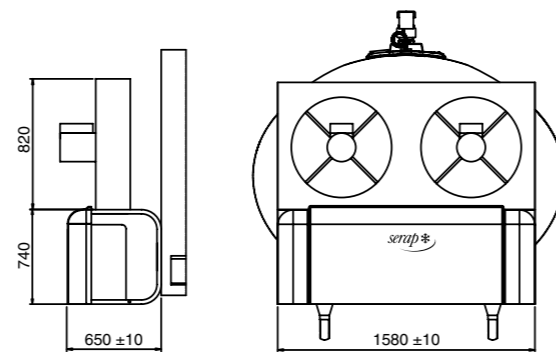
Assembly CCD/2x1V with 2 cooling units from 2.5 to 6 hp
COMPACT VERSION WITH
DETACHABLE CONDENSER(S)



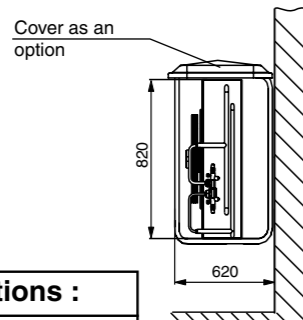
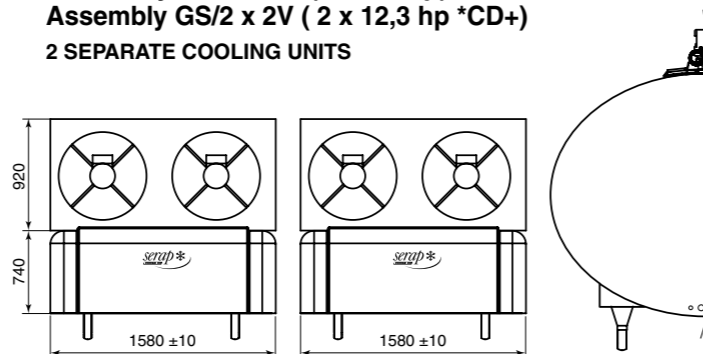
Assembly CCD/1x2V with 1 cooling unit from 7 to 12.3 hp
COMPACT VERSION WITH DETACHABLE CONDENSER



Assembly CS/2X2V with 2 cooling units from 7 to 12.3 hp
COMPACT VERSION WITH SEPARATED CONDENSER



Assembly GS/2 x 2V (2 x 13 hp)
Assembly GS/2 x 2V (2 x 12,3 hp *CD+)
2 SEPARATE COOLING UNITS



Add 135 mm to get height of separated condensing unit

References for executions :

- C Compact with non-detachable condenser
- CCD Compact with detachable condenser(s)
- CS Remote condenser (1 on 2)
- 1V Condenser with 1 fan
- 2V Condenser with 2 fans
- GS Separate cooling unit

Cooling unit Assembly	C/1V	CCD/1V	CCD/1V	CCD/1V	CCD/1V	CCD/2V	CCD/2V	CCD/2V	CCD/2V
Power (hp)	2,5	3,5	4	5	6	7	7,5	10	12,3
B	740	740	740	840	840	-	-	-	-
C	515	550	570	670	670	-	-	-	-

*CD+ : Oversize condenser

Cooling unit Assembly	CCD/2x1V	CCD/2x1V	CCD/2x1V	CCD/2x1V	CCD/2x1V	CS/2x2V	CS/2x2V	CS/2x2V	CS/2x2V	GS/2x2V *CD+	GS/2x2V	GS/4x2V
Power (hp)	2x2,5	2x3,5	2x4	2x5	2x6	2x7	2x7,5	2x10	2x12,3	2x12,3	2x13	4x7
B	-	-	-	-	-	-	-	-	-	-	-	-
C	515	550	570	670	670	-	-	-	-	-	-	-

WP-1D-A04-1-D ed. 09/11



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Milk cooler FIRST.SE

Capacities
 from 900 to 30,000 Liters

Direct expansion
 milk cooler

50 Hz

Model shown : First 6000.SE
 with FIRST.LEVEL option



Tank

Elliptical enclosed type with self-supporting structure. Sandwich construction with high density CFC free insulation and austenitic stainless steel AISI 304 walls.

Full flow evaporator. Manhole Ø 500 mm without seal, with easy access by fixed stainless steel ladder, (except 900, 1100, 1300 L).

2 openings Ø 76 mm for filling and ventilation. Non leaking vent. Outlet valve with Ø 51 DIN thread (other threads on request). Adjustable stainless steel legs mounted without thermal bridges.

Agitation and homogenization

Agitator with low-speed gear motor (25 rpm). Programmable automatic agitation. Homogenization of milk fat in 2 minutes according to norm ISO 5708.

Cooling equipment

Hermetic type cooling units with power adapted to performance requirements according to the ISO 5708 standard. SCROLL cooling unit with low electrical consumption.

All types can be installed in (please consult us for the configuration to be supplied) :

- compact (until 2x6 hp),
 - separate condenser and compressor fixed on the tank (from 2x7 hp to 2x12,3 hp),
 - separate cooling unit (all),
 - without cooling unit.
- R 22 or R 404A refrigerant.

Electric equipment

Electronic control unit RL20 with microprocessor (refer to sheet ref. WP-1K-A08). Electric box fixed on cooling unit support. Standard main supply : 400 V / 3 P + N / 50 Hz.

Washing system WASH 2020

Automatic built-in washing system (refer to sheet ref. WP-1K-A08).

Options :

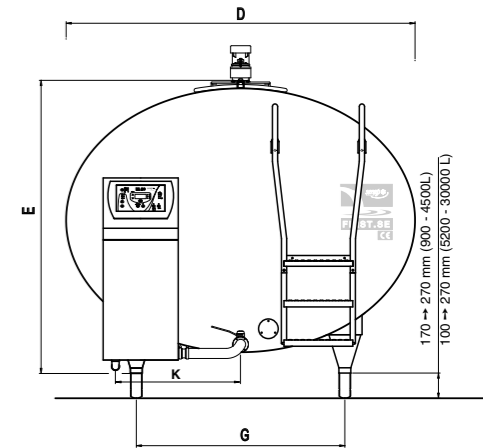
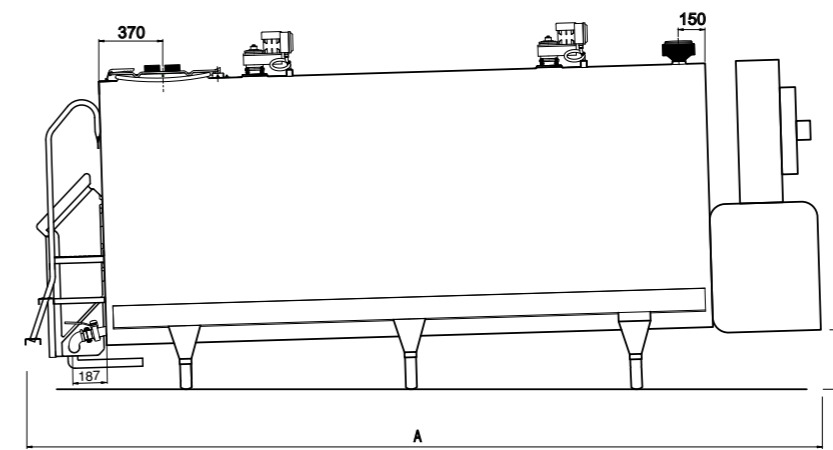
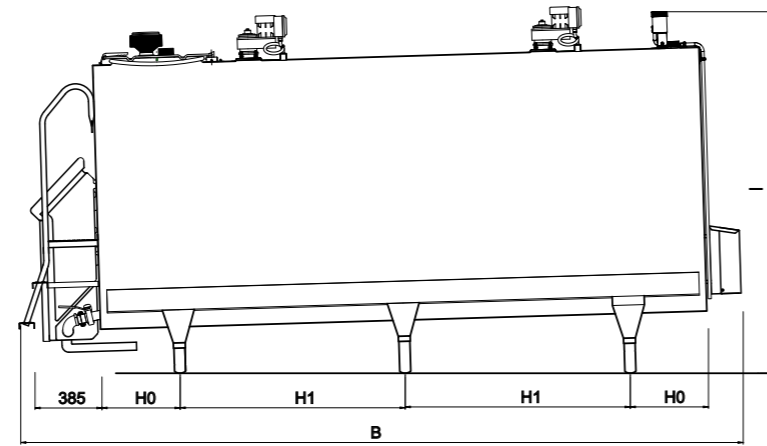
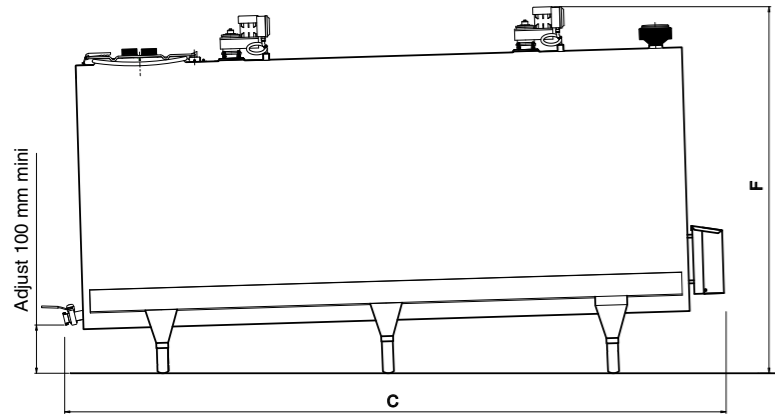
- FIRST LEVEL digital dipstick (from 1100L),
- Exact calibration (accuracy 0,5%), with dipstick and chart,
- Cooling regulation with pump down system,
- Over current relay for cooling unit,
- Safety cooling switch,
- Heat recovery system SERATEMP,
- Waste water separation in washing unit,
- Outlet valve thread cleaning system,
- Third product intake pump in washing unit for disinfection,
- Detection of open and closed position of outlet valve,
- Outlet valve threads on request,
- Quick coupling on milk outlet valve SERAP.ID,
- Power supply 5 metre cable,
- Electric plug and socket.

Norms

According to international standard ISO 5708 and European standard EN 13732. According to European CE norms. Calibration approved by the French Metrology service.

Milk cooler FIRST.SE

Capacities 900 to 30,000 Liters



Type	900	1100	1300	1500	1700	2060	2500	B3000	2550	3000	3500	4000	4500	
DIMENSIONS in mm - WEIGHT in kg - VOLUME in liters														
Nominal volume	900	1100	1300	1500	1700	2060	2500	3000	2550	3000	3500	4000	4500	
Maximum volume	950	1140	1330	1570	1760	2100	2540	3200	2620	3070	3560	4120	4620	
Total length (compact type) A	2200	2430	2660	2430	2610	2895	3285	3890	2655	2935	3230	3570	3975	
Tank length (without cooling unit) B	1770	2000	2230	2000	2180	2465	2855	3460	2225	2505	2800	3140	3465	
Length A ladder bottom part removed	-	-	-	-	-	-	-	-	2630	2895	3205	3545	3870	
Length B ladder bottom part removed	-	-	-	-	-	-	-	-	2295	2560	2870	3210	3535	
Minimal tank length C	1495	1725	1955	1725	1905	2190	2580	3185	1945	2225	2520	2860	3185	
Width D	1310	1310	1310	1510	1510	1510	1510	1510	1790	1790	1790	1790	1790	
Tank height, legs and agitator not included E	1140	1140	1140	1260	1260	1260	1260	1260	1505	1505	1505	1505	1505	
Total height F	1615	1615	1615	1735	1735	1735	1740	1745	1895	1895	1900	1900	1905	
Lateral distance between centres of legs G	760	760	760	925	925	925	925	925	925	925	925	925	925	
Distance legs / drain H0	200	300	300	300	300	300	300	450	300	300	300	450	450	
Longitudinal distance between centres of legs H1	840	870	1100	870	1050	1337	1727	2028	1091	1373	1670	1706	2030	
Height with FIRST.LEVEL I	-	1490	1495	1610	1615	1625	1635	1650	1860	1870	1880	1885	1895	
Mean distance condensing unit / ground J	270	270	280	250	255	265	275	290	290	295	305	310	320	
Distance between drain valve and outlet valve K	525			655					655					
Number of legs	4	4	4	4	4	4	4	4	4	4	4	4	4	
Number of agitators	1	1	1	1	1	1	1	1	1	1	1	1	1	
Tank weight without cooling unit(s)	201	275	282	300	308	352	388	416	410	445	491	550	597	
SPECIFICATIONS (4 milkings - ISO 5708 - performance 4 B II) with R 22 or R 404A cooling unit														
Cooling unit Power (h.p.)	-	-	-	2,5	2,5	3,5	4	4	4	4	5	6	7	
Executions	-	-	-	C/1V	C/1V	CCD/1V	CCD/1V	CCD/1V	CCD/1V	CCD/1V	CCD/1V	CCD/1V	CCD/2V	
Cooled nominal volume	900	1100	1300	1500	1700	2060	2500	3000	2550	3000	3500	4000	4500	
Cooling unit weight	-	-	-	80	80	90	105	105	105	105	110	110	145	
SPECIFICATIONS (2 milkings - ISO 5708 - performance 2 B II) with R 22 or R 404A cooling unit														
Cooling unit Power (h.p.)	2,5	3,5	3,5	4	4	5	2x3,5	2x4	2x3,5	2x4	2x5	2x5	2x6	
Executions	C/1V	CCD/1V	CCD/1V	CCD/1V	CCD/1V	CCD/1V	CCD/2x1V	CCD/2x1V	CCD/2x1V	CCD/2x1V	CCD/2x1V	CCD/2x1V	CCD/2x1V	
Cooled nominal volume	900	1100	1300	1500	1700	2060	2500	3100	2550	3000	3500	4000	4400	
Cooling unit weight	80	90	90	105	105	110	165	180	165	180	190	190	190	

Heights F are given with front legs adjusted at minimum height with tank in its use position on a horizontal floor.
 Provide for 250 mm under ceiling for eventual removal of the agitator motor(s).
 In these tanks the rise of the milk temperature, initially at 4°C, does not exceed 1,8°C in 12 hours, in an ambient temperature of 38°C.
 Cooling unit(s) are indicated for information only.

Type	5200	6000	7000	8000	9000	10400	12000	15000	18000	21000	24000	27000	30000
DIMENSIONS in mm - WEIGHT in kg - VOLUME in liters													
Nominal volume	5200	6000	7000	8000	9000	10400	12000	15000	18000	21000	24000	27000	30000
Maximum volume	5340	6100	7140	8120	9180	10750	12280	15370	18500	21490	24620	27500	30500
Total length (compact type) A	3760	4120	4620	5120	4285	4785	5285	6285	-	-	-	-	-
Tank length (without cooling unit) B	3320	3680	4180	4680	3845	4345	4845	5845	6845	7850	8920	9915	10990
Length A ladder bottom part removed	3570	3930	4430	4930	3930	4430	4930	5930	-	-	-	-	-
Length B ladder bottom part removed	3235	3595	4095	4595	3595	4095	4595	5595	6595	7605	8605	9665	10750
Minimal tank length C	2955	3315	3815	4315	3315	3815	4315	5315	6315	7320	8390	9385	10460
Width D	2010	2010	2010	2010	2310	2310	2310	2310	2310	2310	2310	2310	2310
Tank height, legs and agitator not included E	1695	1695	1695	1745	2070	2120	2120	2170	2220	2220	2260	2260	2260
Total height F	2040	2045	2080	2090	2470	2500	2520	2535	2535	2560	2585	2610	2590
Lateral distance between centres of legs G	1200	1200	1200	1200	1400	1400	1400	1400	1400	1400	1400	1400	1400
Distance legs / drain H0	450	450	450	450	600	450	450	600	600	605	605	605	605
Longitudinal distance between centres of legs H1	1730	2090	1295	1545	1800	1295	1545	1900	1600	1930	1716	1572	1787
Height with FIRST.LEVEL I	2025	2035	2050	2035	2455	2475	2490	2515	2515	2540	2570	2590	2575
Mean distance condensing unit / ground J	280	290	305	320	290	310	325	350	-	-	-	-	-
Distance between drain valve and outlet valve K	705			740									
Number of legs	4	4	6	6	4	6	6	6	8	8	10	12	12
Number of agitators	1	1	2	2	1	2	2	2	2	3	3	3	3
Tank weight without cooling unit(s)	796	877	993	1122	1110	1285	1465	1800	2100	2400	2630	3000	3400
SPECIFICATIONS (4 milkings - ISO 5708 - performance 4 B II) with R 22 or R 404A cooling unit													
Cooling unit Power (h.p.)	7	7,5	10	12,3	2x7	2x7	2x7,5	2x10	2x12,3 *CD+	4x7	4x7,5	3x13	4x10
Executions	CCD/2V	CCD/2V	CCD/2V	CCD/2V	CS/2x2V	CS/2x2V	CS/2x2V	CS/2x2V	GS/2x2V	GS/4x2V	GS/4x2V	GS/3x2V	GS/4x2V
Cooled nominal volume	5200	6000	7000	8000	9000	10400	12000	15000	18000	21000	24000	27000	30000
Cooling unit weight	145	177	182	187	200	217	265	280	407	434	530	610	560
SPECIFICATIONS (2 milkings - ISO 5708 - performance 2 B II) with R 22 or R 404A cooling unit													
Cooling unit Power (h.p.)	2x7	2x7,5	2x10	2x12,3	2x12,3 *CD+	4x7	4x7,5	4x10	-	-	-	-	-
Executions	CS/2x2V	CS/2x2V	CS/2x2V	CS/2x2V	GS/2x2V	GS/4x2V	GS/4x2V	GS/4x2V	-	-	-	-	-
Cooled nominal volume	5200	6000	7000	8000	9000	10400	12000	15000	-	-	-	-	-
Cooling unit weight	217	265	273	280	407	434	530	560	-	-	-	-	-

Heights F are given with front legs adjusted at minimum height with tank in its use position on a horizontal floor.
 Provide for 250 mm under ceiling for eventual removal of the agitator motor(s).
 In these tanks the rise of the milk temperature, initially at 4°C, does not exceed 0,7°C in 12 hours, in an ambient temperature of 38°C.
 Cooling unit(s) are indicated for information only.