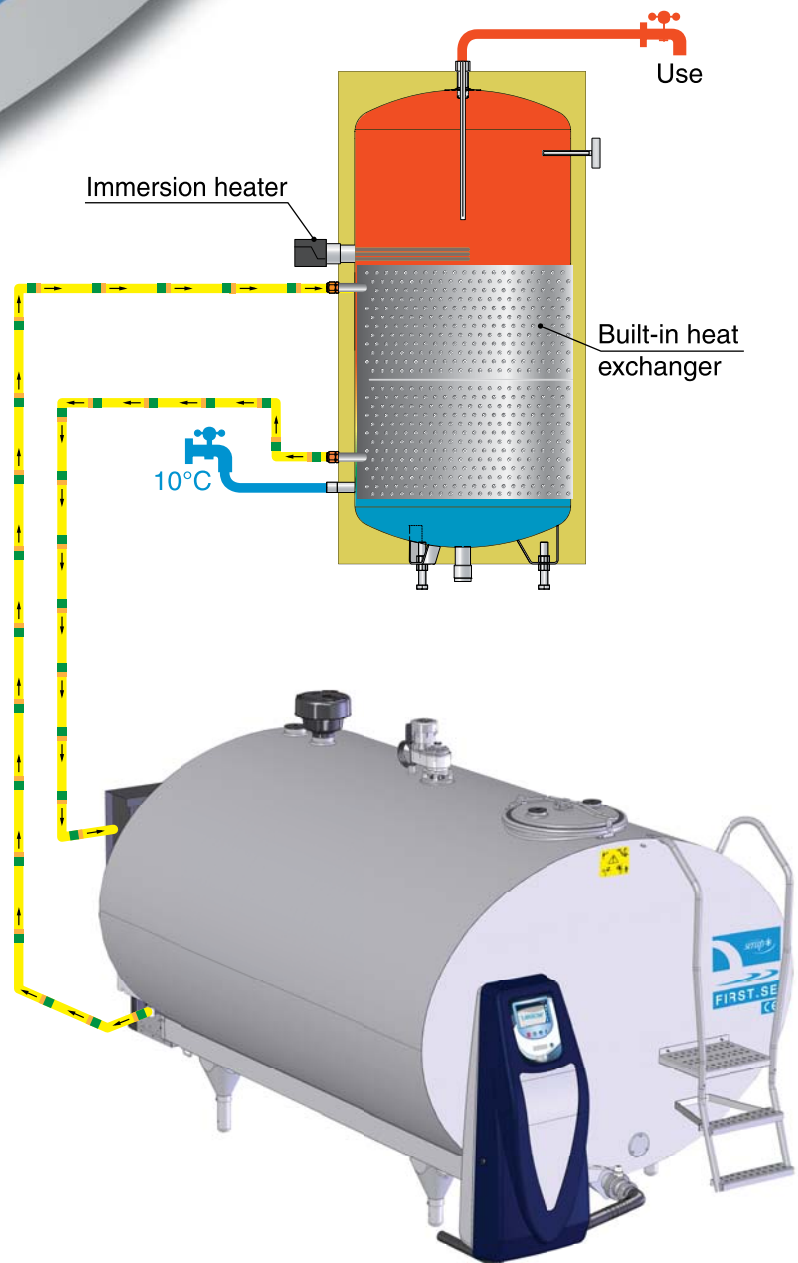




Heat recovery system with water storage

Installation drawing



Gain free warm water!

The milk cooling releases energy which is usually wasted via the cooling unit condenser.

This free available energy can easily be saved in order to heat your milking parlour cleaning water.

1000 litres milk, cooled down from 35°C to 4°C allow to warm up more than 330 litres water from 12°C to 50°C.

ECOTEMP combines two functions:

- Heat recovery system,
- 50°C hot water storage.

System advantages:

ECOTEMP can be easily installed with single or double cooling unit milk coolers but also fitted into existing installations.

The ECOTEMP stainless steel construction guarantees a longer life span.

ECOTEMP

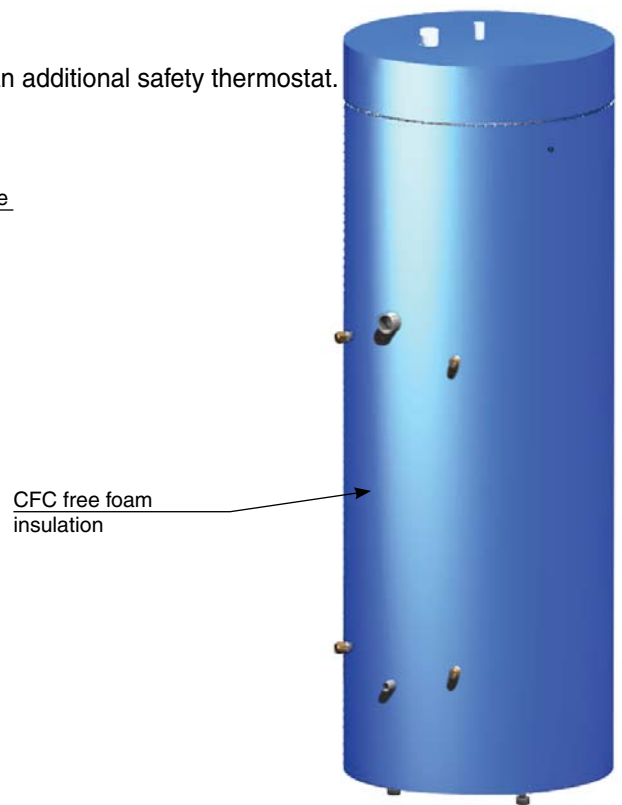
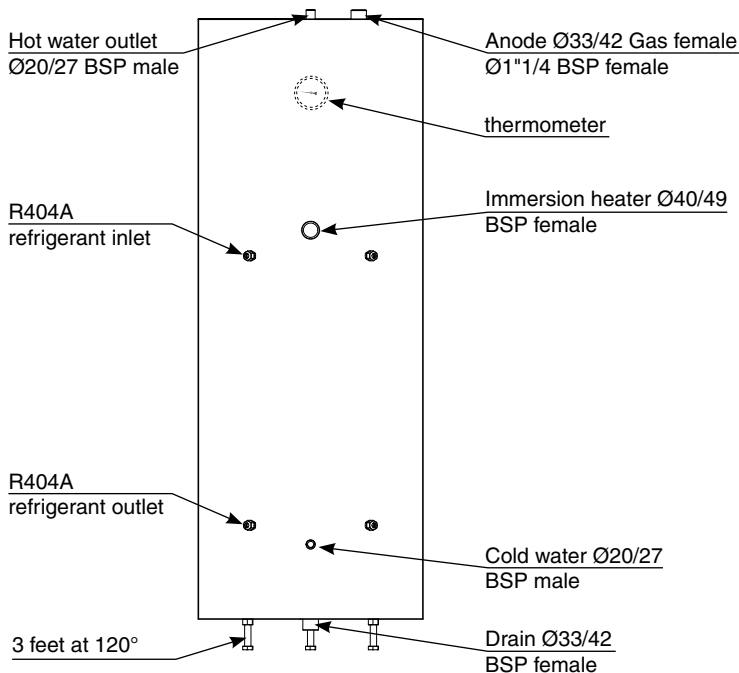
Heat recovery system with water storage

Description of the ECOTEMP heat recovery system:

- System that recovers the energy generated by the condensing unit(s) during the milk cooling by using a heat exchanger and a water storage tank,
- Stainless steel inner jacket,
- 2 heat exchangers on the inner jacket (with possibility to connect 1 or 2 cooling units),
- R404A refrigerant,
- Anode,
- 1 thermometer,
- 1 cold water inlet,
- 1 hot water outlet,
- 1 vessel drain outlet,
- 50mm CFC-free foam insulation,
- 1 safety device and 1 siphon,
- 1 condenser pressure control HP for 1 cooling unit.

Option

- 1 x 3000W immersion heater with an adjustable thermostat and an additional safety thermostat.
- 1 condensation pressure control for the second cooling unit.



Type	300	500-I	500-II
Volume	340 L	470 L	470 L
External diameter	700 mm	700 mm	700 mm
Height	1500 mm	2000 mm	2000 mm
Number of cooling circuits	2	2	4
Cooling power*	6 to 14 kW	12 to 24 kW	28 to 50 kW
Single cooling unit version	2,5 to 6 hp	7 to 12,3 hp	13 hp
Double cooling unit version	2x3,5 hp	2x4 to 2x6 hp	2x7 to 2x12,3 hp

*:Evaporating temperature at 0°C and ambient temperature +32°C



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

