

## Operating characteristics

- For 2, 4 and 6 milkings.
- Temperature sensor, easily accessible for replacement.
- Manhole that seals without plastic flange use.
- Rotating spraydish for washing the interior of the cooling tank.



## Plus

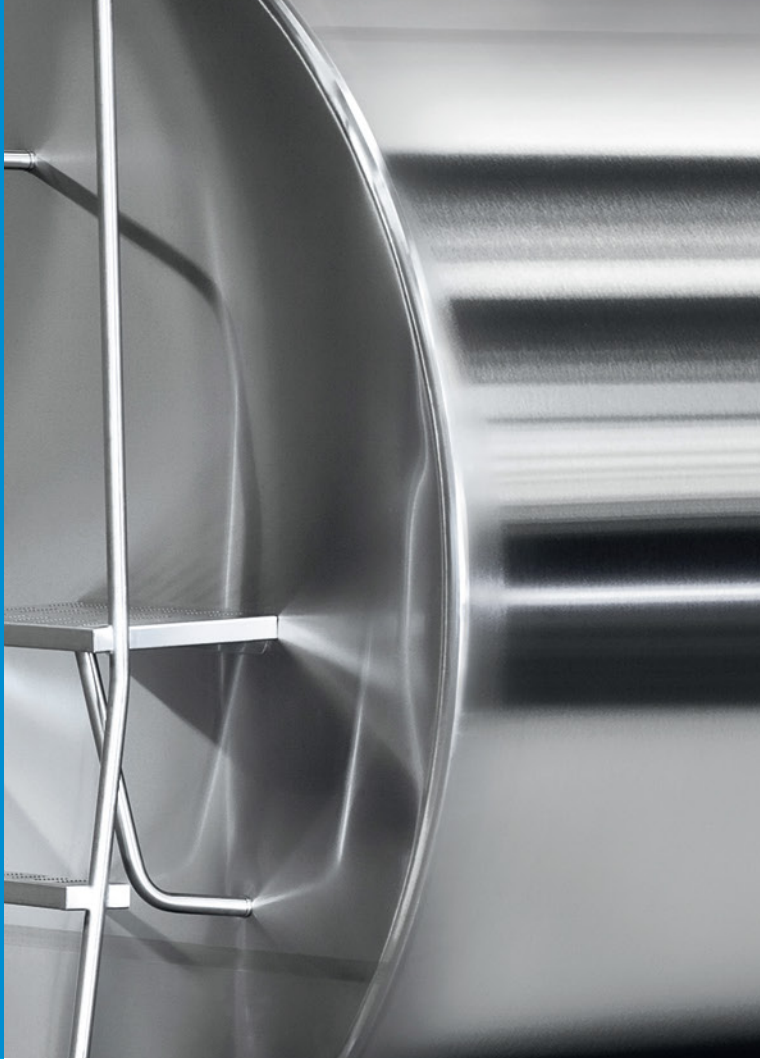
Optional equipment:

- Electronic measuring system with a stainless steel, high-precision meter of +/-0,5%.
- Automatic weighing system installed on the cooling tank feet (high-precision weighing system ( $\pm 0,1\%$ ) with an independent LCD display with 4, 6, 8 load cells).
- Self-cleaning valve.
- Disinfection cycle.
- Connection to a data recorder.
- Pre-installation of evaporators for future conversion of the cooling tank from 4 to 2 milkings.
- Cooling units for particularly warm climates (Tropical +43°C).
- Various options of stainless steel valve threads DN, SMS, IDF, TRICLAMP.



## Closed type milk cooling tanks

Keep your milk safe



## Cooling and washing systems

### STANDARD Standard version of automatic washing system (PLC)

The system controls the cooling and agitation functions as well as the full washing in five cycles; cold pre-wash, hot pre-wash, main hot wash, hot rinse, cold rinse with manual cooling/washing option easy-to-use in operation.

It includes:

- Independent peristaltic pumps for detergent and acid.
- Drain valve of Ø50mm.
- Electronic thermometer - thermostat with an integrated Dixell agitation program.
- Independent solenoid valves (¾") for hot and cold water supply.
- Automatic operation with the Schneider electronic controller (PLC) with fully adjustable parameters and an option for software update.
- Sirem's powerful washing pump for constant flow and proper spray pressure.
- Special rotating blades for water spraying during washing.

### CONTROL Full version of the automatic washing system (PLC)

All parameters for the proper cooling, agitation and washing, as well as all necessary information for the operation of the cooling tank are configured through a programmable logic controller (PLC). The easy-to-use control panel is installed in the front part of each cooling tank within a stainless steel (AISI 304) construction.

In addition, the system provides:

- A full system of 14 alarms.
- An electronic thermometer (backup controller) and a cooling and agitation thermostat by Dixell of an IP 65 sealing rating.
- A backlit and waterproof (IP65) digital LCD display.
- An audible alarm in case of a problem.
- Optional addition of a stainless steel, three-phase electric resistance heater.



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MP Powertank

The stainless steel milk cooling tanks MP Powertank are horizontal tanks in two types (round and elliptical) with access manholes and two options for automatic cooling and washing control systems. They are manufactured according to the highest European and American quality standards.



MPP Round

Capacities from 1,000lt - 14,000lt. For 2, 4 and 6 milkings.

Tank Type	Feet	A	B	C	H	F	H1	L	G	Hf	Hm	HL
MPP 1000	4	422,5	845	600	1989	1060	1024	1690	1299	235/285	310	730
MPP 1500	4	300	950	750	2256	1350	1291	1550	1566	235/285	310	730
MPP 2000	4	507,5	1010	750	2256	1350	1291	2025	1566	235/285	310	730
MPP 2500	4	450	1450	750	2256	1350	1291	2350	1566	235/285	310	730
MPP 3000	4	725	1450	750	2256	1350	1291	2900	1566	235/285	330	730
MPP 3500	4	725	1950	750	2256	1350	1291	3400	1566	235/285	330	730
MPP 4000	4	592,5	1185	900	2668	1680	1603	2370	1878	235/285	330	830
MPP 5000	4	725	1450	900	2668	1680	1603	2900	1878	235/285	330	830
MPP 6000	6	200	1550	900	2668	1680	1603	3500	1878	235/285	330	830
MPP 8000	8	175	997	1090	2997	1990	1882	3341	2207	285/335	330	830
MPP 10000	8	175	1270	1090	2997	1990	1882	4160	2207	285/335	330	830
MPP 12000	8	200	1160	1300	3216	2230	2101	3880	2466	285/365	330	830
MPP 14000	8	175	1350	1300	3216	2230	2101	4400	2466	285/365	330	830

MPP Oval (Elliptical)

Capacities from 10,000lt - 20,000lt. For 2, 4 and 6 milkings.  
For faster cooling of larger amounts of milk.  
An ideal solution for places where there is a height limitation.

Tank Type	Feet	A	B	C	H	F	H1	L	G	Hf	Hm	HL
MPPO 10000	8	175	1533	1150	2053	1593	1670	4970	1830	235/340	330	830
MPPO 12000	8	175	1360	1445	2300	1765	1900	4450	2050	285/380	330	830
MPPO 14000	10	175	1160	1445	2300	1765	1900	5000	2050	285/390	330	830
MPPO 16000	10	175	1345	1445	2300	1765	1900	5750	2050	285/405	330	830
MPPO 18000	12	175	1215	1445	2300	1765	1900	6450	2050	285/410	330	830
MPPO 20000	12	175	1370	1445	2300	1765	1900	7220	2050	285/435	330	830

Technical specifications

- Agitation motor by the French company Sirem, 21-25 rpm.
- Cooling units with Tecumseh, Maneurop and Copeland compressors.
- Special thermal insulation with ecological and high-density, environmentally-friendly two-component polyurethane foam.
- Made entirely of anti-magnetic stainless steel 18/10, DIN 1.4301 (AISI 304) with special finish processing.
- Specially-designed laser-welded evaporator for more efficient milk cooling. The evaporator's design prevents freezing of even small amounts of milk.
- With an integrated automatic washing control system, two options (MPP Standard or MPP Control).
- Stainless steel external pressure equalizer.
- Stainless steel adjustable feet.

