

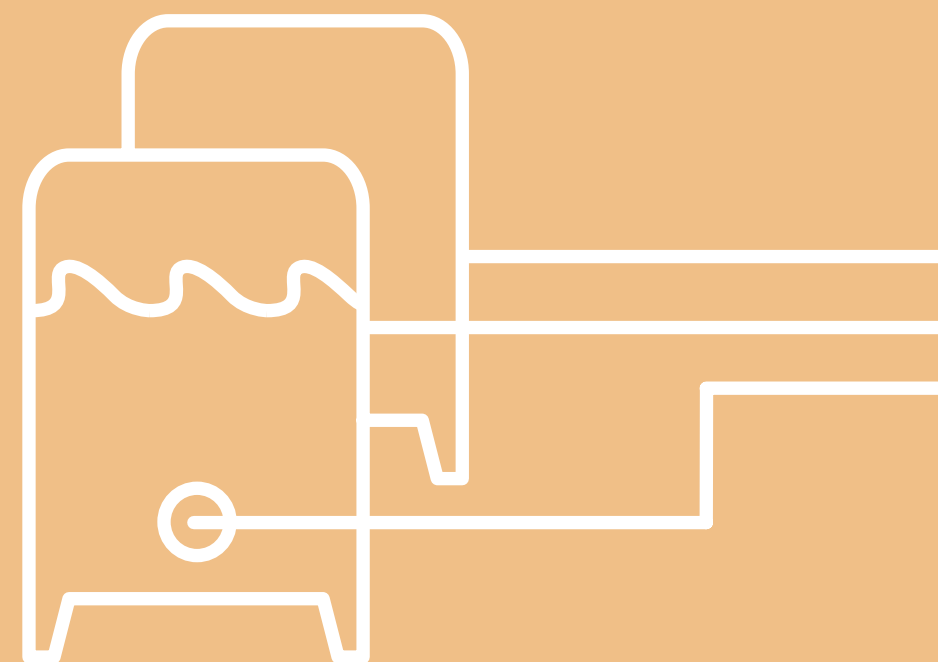
CATALOGUE

MIXPLANT

MIX PREPARATION PLANTS



MIX PLANT



MIXPLANT BATCH

Mix preparation plants suitable for capacities ranging from 200 to 600 L/h.

Flow and temperature **controls** are semi-automatic.

Pasteurization method: Batch

The **pasteurization** takes place in the vats, equipped with powerful high-rpm agitators.

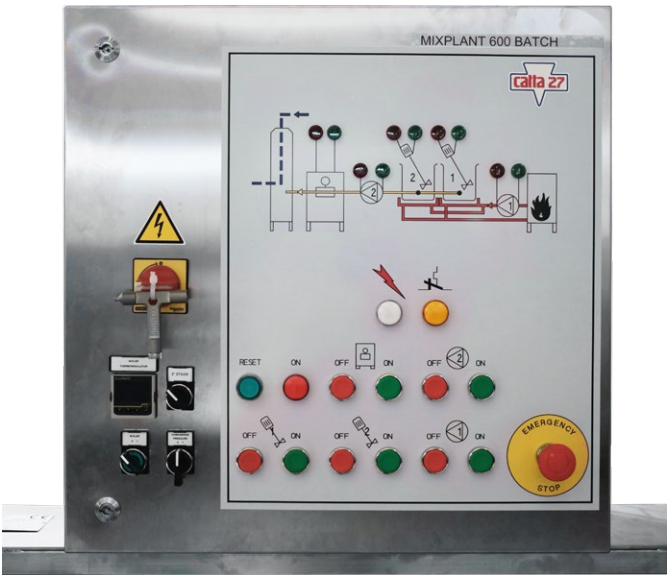
Homogenization is carried out by a double-stage homogenizer.

Cooling by means of one **plate heat exchanger** connected to tower and chilled water (+1°C) supplies.

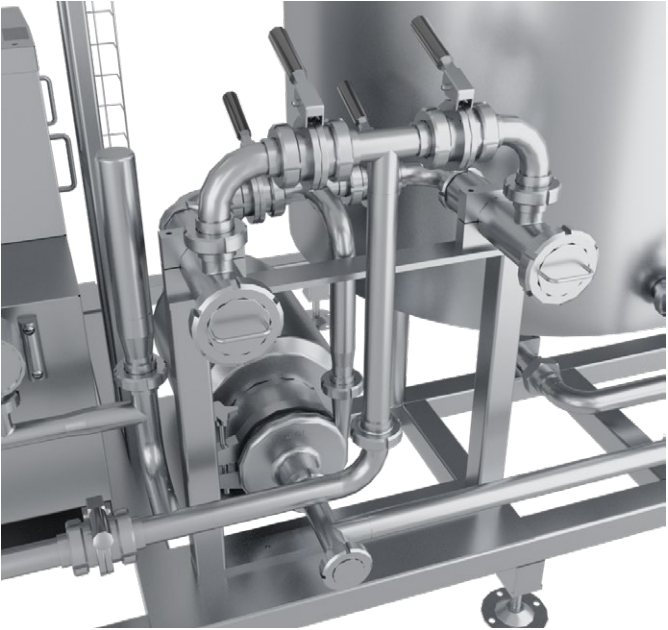
A **powder blender** is available as an optional



Mixplant Batch 600 with PLC



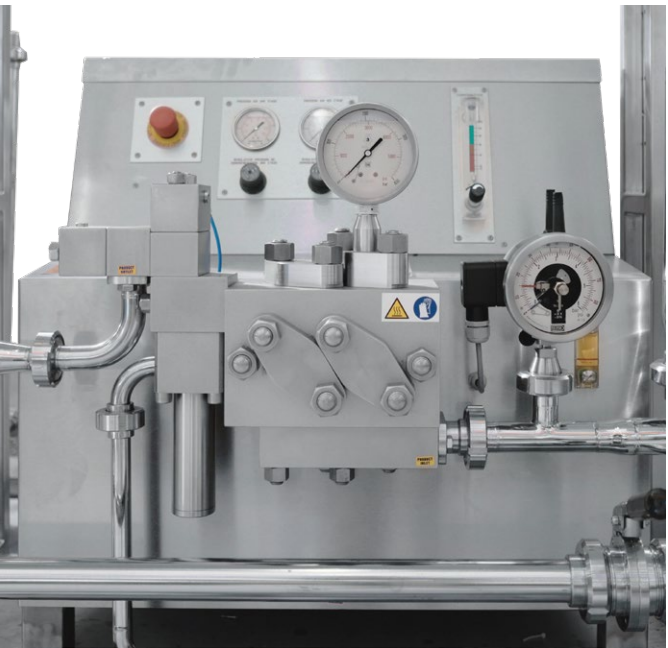
Electro-Mechanical Control Board



Centrifugal Pump



Plate Heat Exchanger

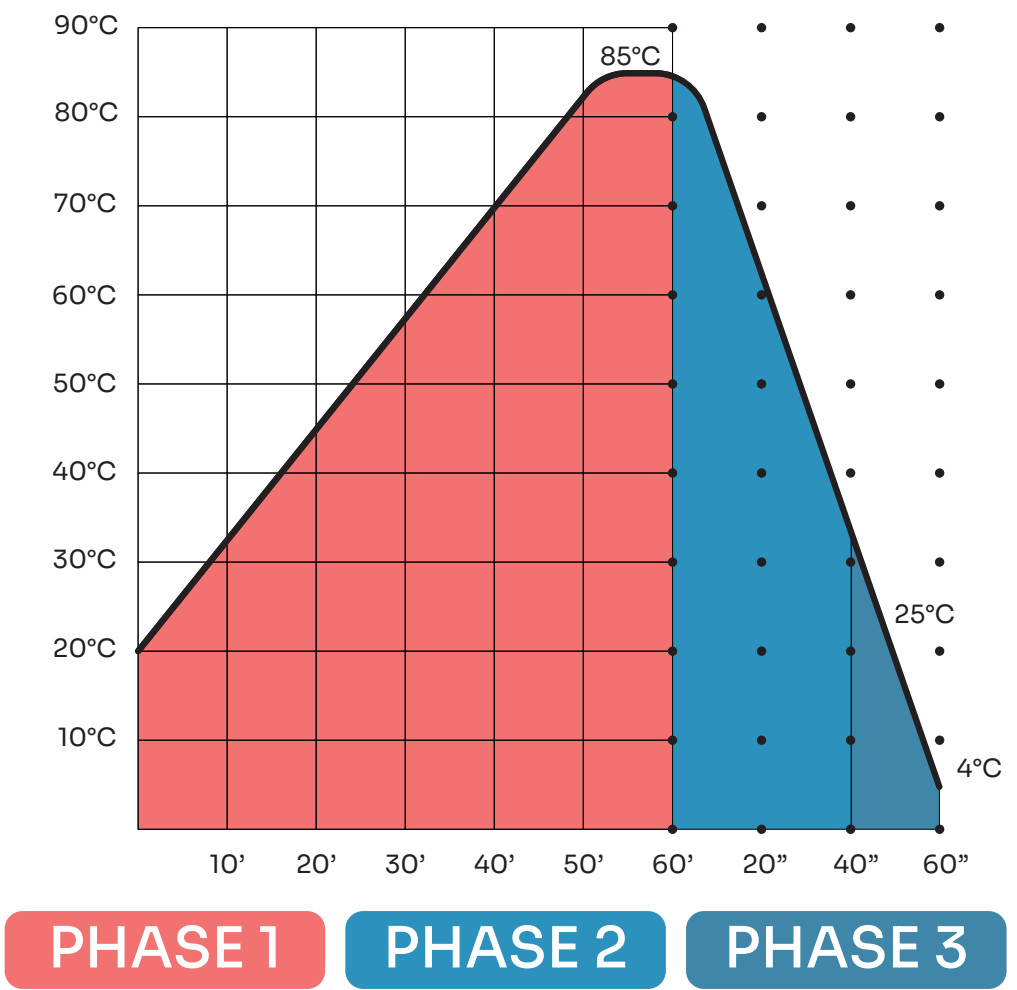
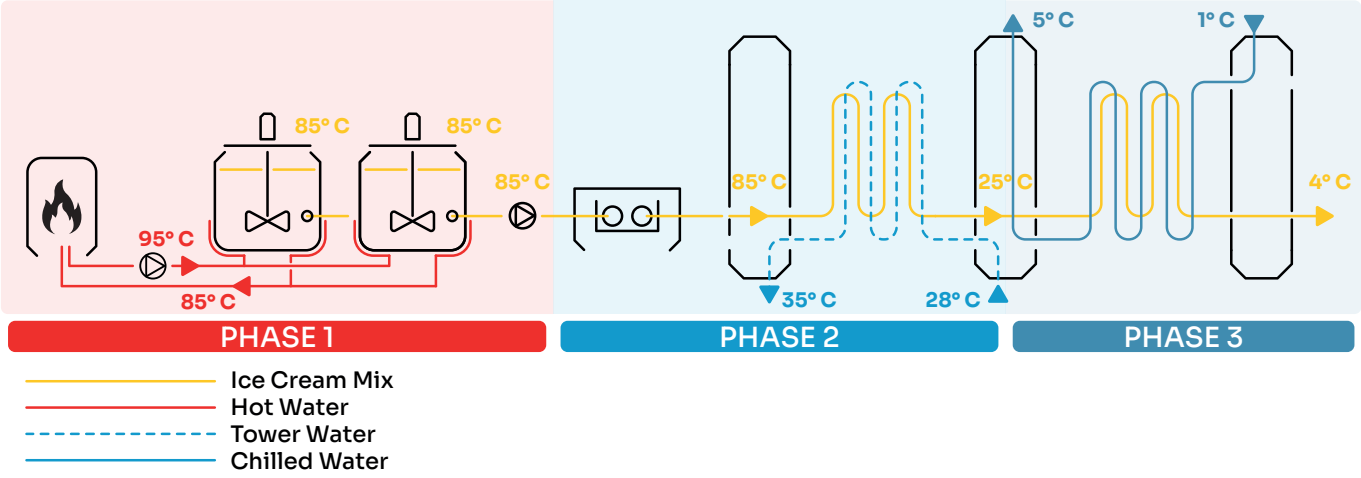
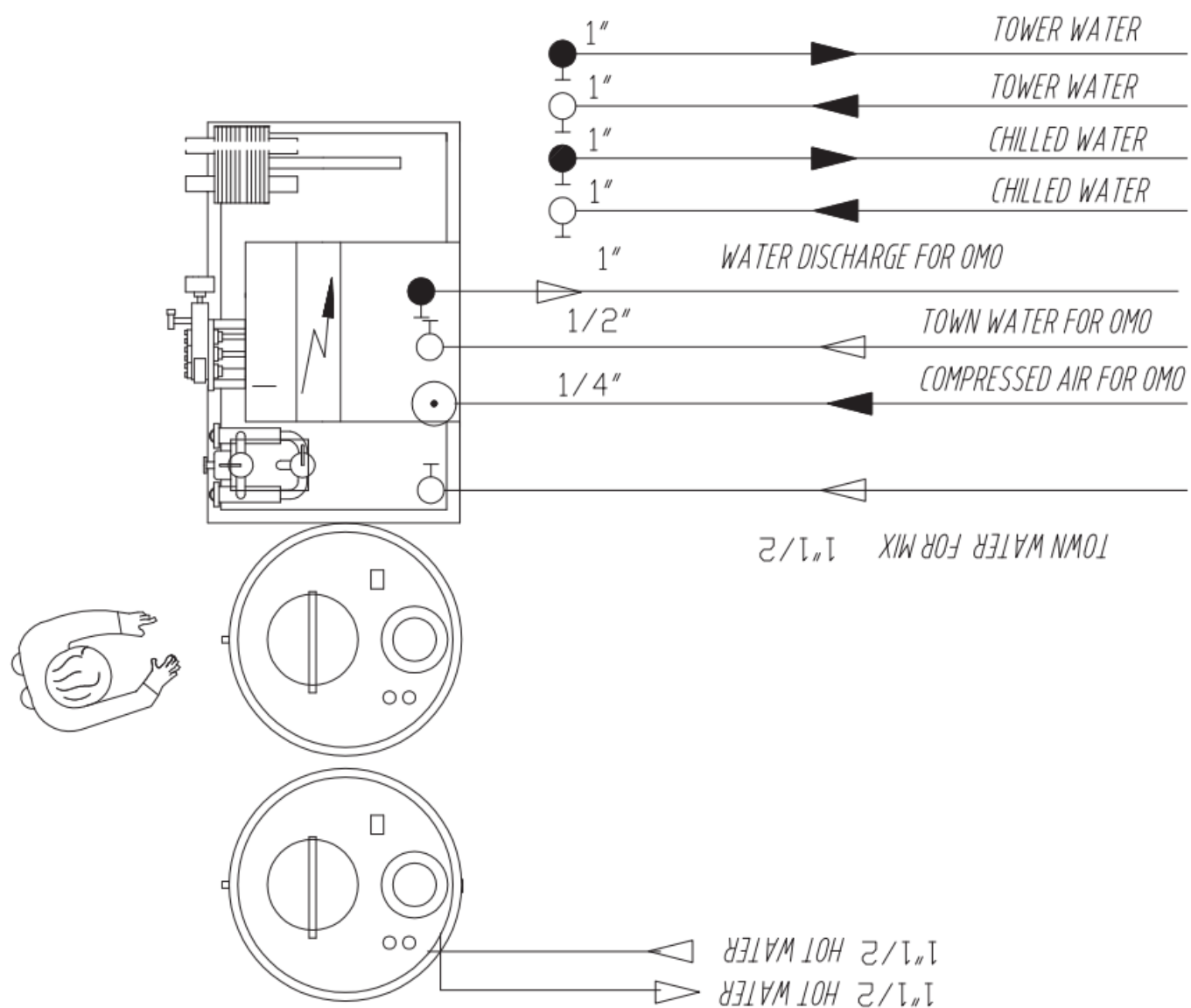


Homogenizer

MIXPLANT BATCH TECHNICAL DATA

BATCH

		300	600	1.200
Hourly production	L/h	300	600	1.200
Boiler power	Kcal/h	35.000	70.000	140.000
Total power	Kw	6,0	10,0	11,0
Electrical supply	As per country standard			
Compressed air consumption 6 bar	NL/h	60	60	60
Homogenizer water consumption	L/h	120	150	100
Width		3.100	4.000	5.000
Depth	mm	1.200	1.450	1.950
Height		1.850	2.100	2.300
Net/gross Weight	Kg	1.600/2.200	2.150/3.350	5.300/6.200



MIXPLANT HTST

Mix preparation plants suitable for capacities from 1.200 L/h.

Flow and temperature **controls** can be semi-automatic or fully automated.

Pasteurization method: High Temperature, Short Time

The blending of ingredients through a dedicated **powders blender** connected to the vats for pre-heating.

Homogenization is carried out by a double-stage homogenizer.

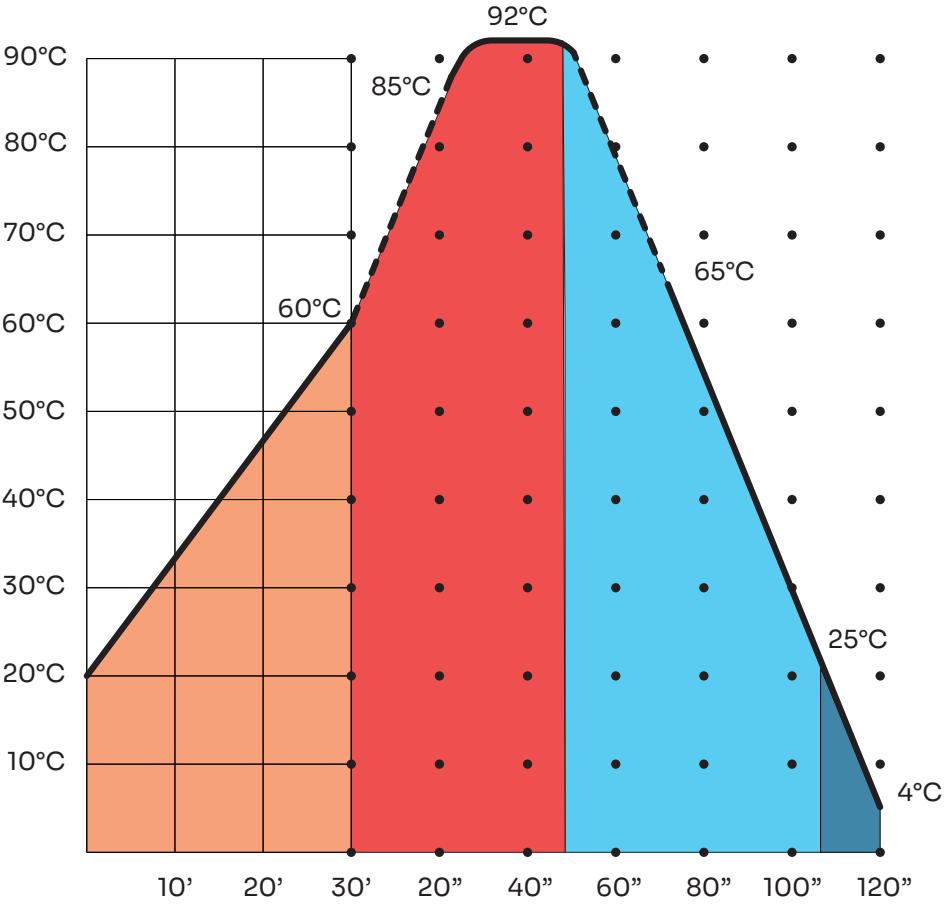
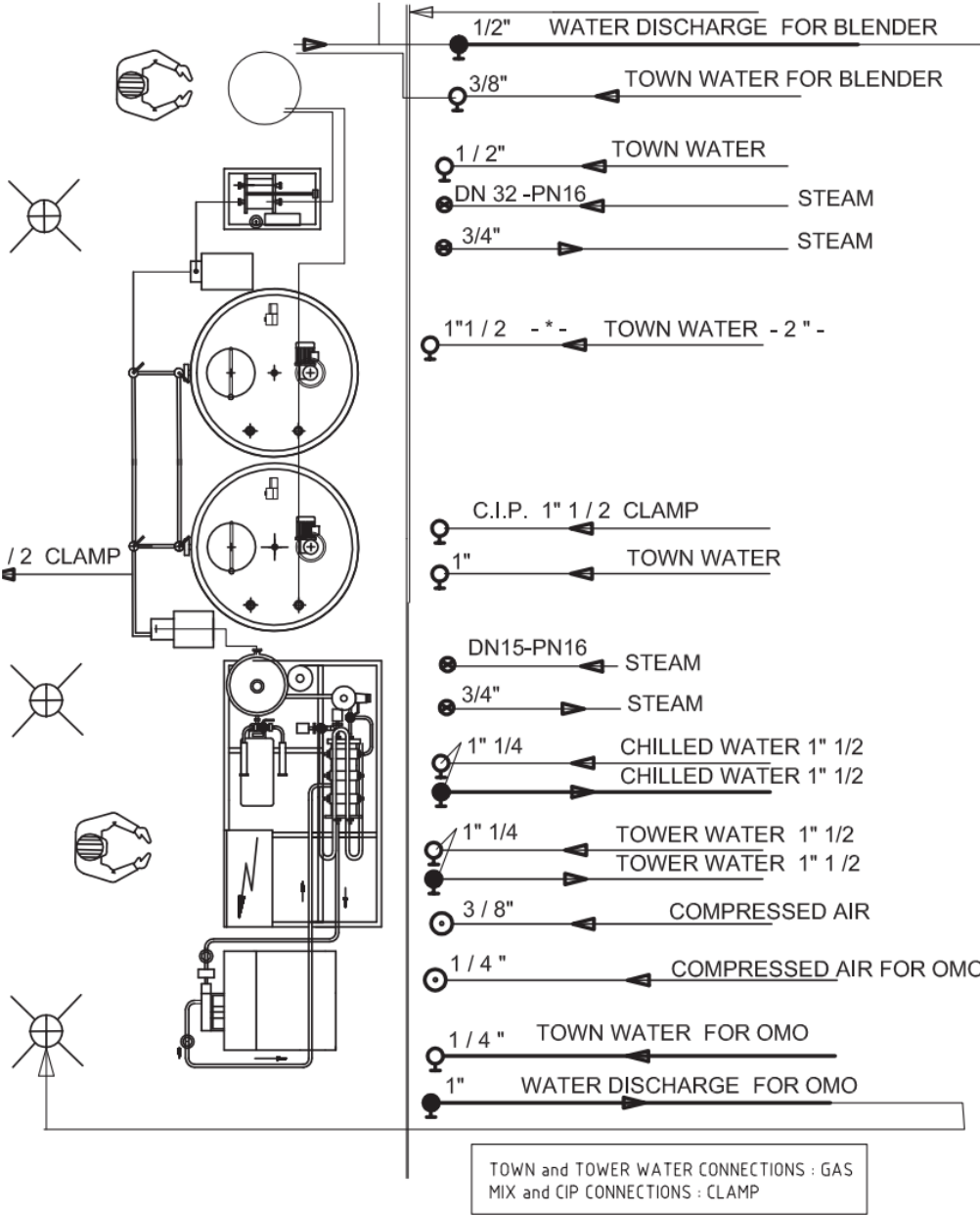
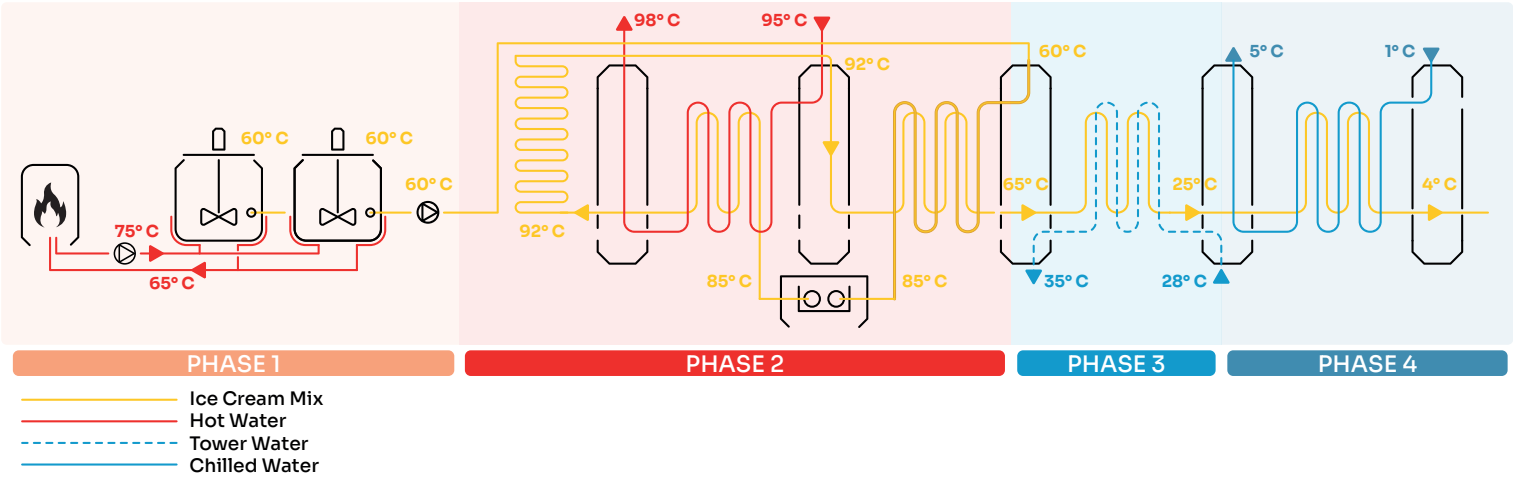
Pasteurization and **cooling** by means of one plate heat exchanger connected to tower and chilled water (+1°C) supplies.



MIXPLANT HTST TECHNICAL DATA

HTST

		600	1200	2000	2400	3000	4000	5000
Hourly production	L/h	600	1200	2000	2400	3000	4000	5000
Pre-heating boiler power	Kcal/h	60.000	170.000	145.000	160.000	210.000	300.000	360.000
Pasteurization boiler power	Kcal/h	23.000	27.000	27.000	35.000	38.000	50.000	60.000
Total power	Kw	18	28	37	39	50	64	68
Electrical supply	As per country standard							
Compressed air consumption 6 bar	NL/h	60	120	250	250	250	250	250
Width		7.450	9.500	8.250	9.800	9.800	12.000	12.000
Depth	mm	1.500	2.100	2.400	2.300	2.300	2.400	2.400
Height		2.200	2.400	2.950	2.200	2.200	3.100	3.500



PHASE 1

PHASE 2

PHASE 3

PHASE 4

Energy recover

UTILITIES FOR MIX PREPARATION

Cooling Tower



COTO		100	150	200	300	400	500	800
Capacity	Kcal/h	100 K	150 K	200 K	300 K	400 K	500 K	800 K
Fan motor power	Kw	1,5	2,2	2,2	4	2x2,2	2x2,2	7,5
Defrosting resistance power	Kw	2	2	2	3	4	5	8
Power of 2 pumps	Kw	2x3	2x4	2x4	2x7,5	2x11	2x15	2x18,5
Total power	Kw	9,5	12,5	12,5	22	30,4	39,4	52,5
Flow rate (at 30 m pressure head)	M3/h	17	26	35	60	80	90	130
Width		1.300	1.216	1.560	1.820	2.737	3.650	2.840
Depth	mm	1.290	1.230	1.230	1.226	1.220	1.290	2.128
Height		2.520	3.213	3.215	2.908	2.900	2.920	3.750
Weight (empty)	Kg	320	380	440	600	925	1.175	1.625

Cleaning In Place Unit



CIP UNITS		ULM 2V	CIP 20	CIP SEMI	CIP AUTO
Design		Standalone		Modular	
No. of Vats		2	2	Up to 4	
Delivery/return pump		Included			
Tank volume		200	500	Custom	
Vat to wash volume		300 L	600 L	Up to 5.000 L	
Electric heating		Y	N	Custom	
Hot water heating		N	Y	Custom	
Steam heating		N	Y	Custom	
Width		2.000	9.250	Custom	
Depth	mm	1.000	1.650	Custom	
Height		1.850	1.800	Custom	

Homogenizer



OMO		120	200	300	600	1.200	2000
Hourly production	L/h	120	200	300	600	1.200	2000
Homogenizing pression	bar	180 maximum					
Working temperature	°C	90 maximum					
Pistons	No.	2	2	2	3	3	3
Total power	Kw	1,2	2,2	2,2	4	7,5	11
Lubrication water consumption	L/h	120	120	120	120	120	250
Compressed air consumption at 6 bar	NL/h	60					
Width		400	600	600	700	1.000	1.000
Depth	mm	525	700	700	1.100	1.280	1.280
Height		750	700	700	900	980	980
Net weight	Kg	80	170	170	370	450	450

Chilled water cooled aging vat



TM		300	600	1.200	1.500	2.400	3.000	4.000
Capacity	L	300	600	1.200	1.500	2.400	3.000	4.000
Beater power	Kw	0,11	0,18	0,37	0,55	0,55	0,75	3,00
Inlet of chilled water	L/h	2.000	3.000	4.000	4.500	5.000	5.500	6.000
Diameter	mm	925	1.040	1.390	1.390	1.600	1.600	1.840
Height		1.450	1.850	1.800	2.041	2.300	2.600	2.800

Self-contained aging vat



TMA		100	300	400	600	1.200	2400
Capacity	L	100	300	400	600	1.200	2.400
Beater power	Kw	0,18	0,18	0,18	0,18	0,37	0,55
Compressor Power	Kw	0,37	0,37	0,37	0,55	0,825	2,2
Total power	Kw	0,83	0,83	0,83	1,35	1,87	3
Electrical supply	As per Country Standard						
Refrigeration fluid	Freon						
Condensation		Air			Water		
Diameter	mm	611	921	923	1.040	2.350	2.700
Height		1.160	1.405	1.740	1.770	1.600	2.000

Chilled Water Tank



CWPM		300	600	1200	2000	2200	2400	4800
Chilled water temperature	°C	+1 / +2						
Compressor Power	HP	6,5	10,0	15	20	25	30	60
Pumps power	Kw	2,2	2,2	3,3	3,3	3,3	3,7	4,8
Total power	Kw	7,0	9,7	14,5	18.2	21,9	26,0	49,5
Electrical supply	As per Country Standard							
Refrigeration fluid	Freon							
Condensation	Water							
Width		1.600	1.600	1.600	1.600	1.600	1.600	2.160
Depth	mm	750	750	750	1.100	1.100	1.100	1.720
Height		2.000	2.000	2.000	2.000	2.000	2.000	2.000
Gross weight	Kg	600	650	750	950	1.000	1.000	1.500

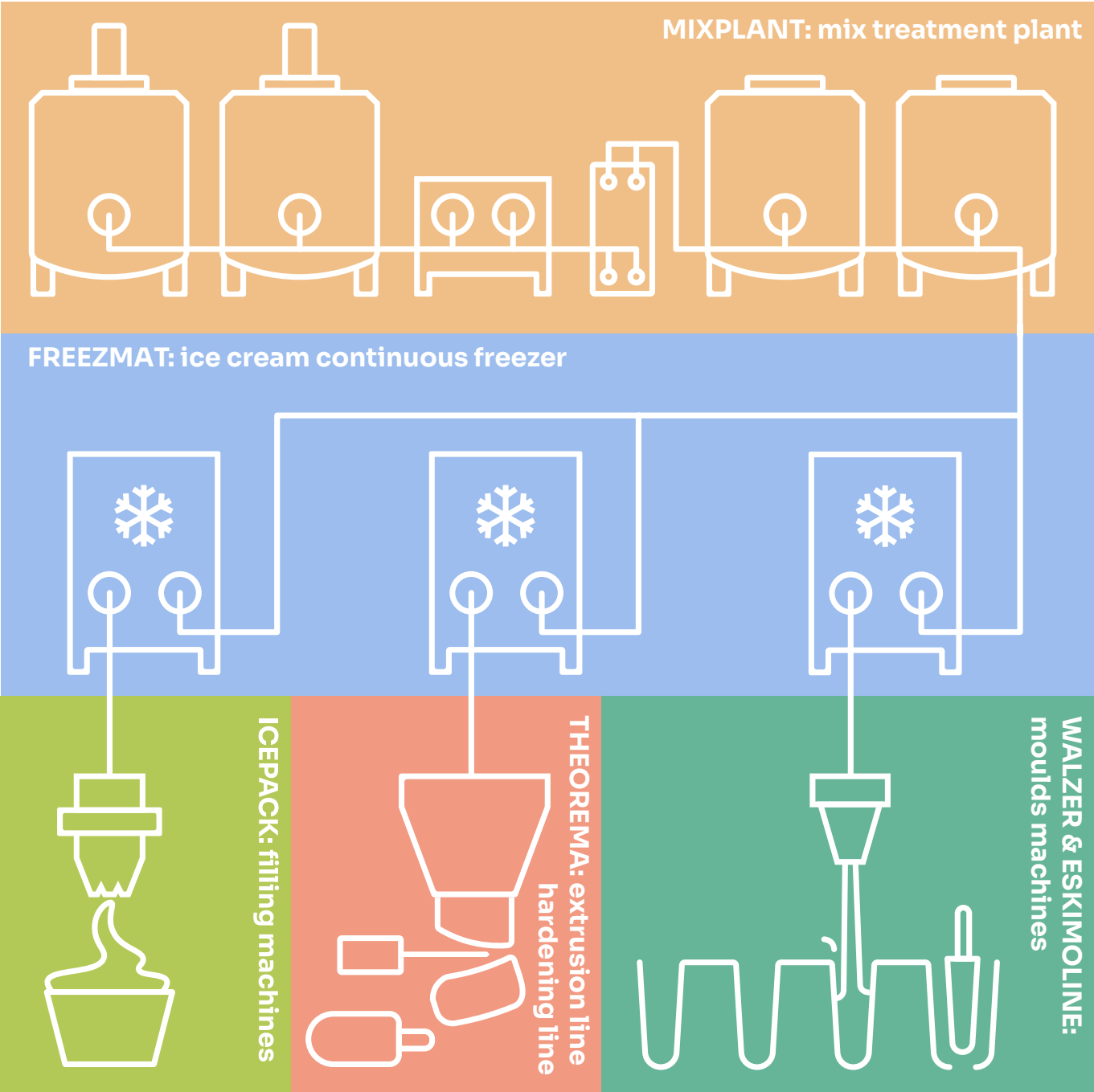
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