



SWEETY **T&i**

ICE-CREAM PRODUCTS

MW **MACHINERY WORLD**



**2nd
EDITION**

EN

Sweety TTi

Valmar's innovative range of pasteurisers meets any professional needs in mix handling (preparation, pasteurisation, emulsion, storage, ageing processes) while offering top quality levels, effectiveness and reliability.

Thanks to the new PLC management system, Sweety TTi performs thermal procedures through its 29 different programmes. Moreover programme customization is achieved to meet specific requirements.



Technological equipment

01 SOFTWARE AND PLC



Designed to manage efficiency and available technological solutions by means of a PLC matching process automation to the quality of different product processes in order to meet specific requirements.

02 TOUCH & TYPE



The user can choose to operate the machine in Touch mode or in the traditional Type mode. The 4.3" LCD touchscreen has clear and intuitive icons that enable to manage and monitor each operating phase.

03 PASTEURISATION TEMPERATURES



Traditional or standard pasteurisation and ageing temperatures are suggested by the software. Moreover customized values can be set without limits.

04 TANK



Single-unit, rectangular, made of stainless steel, round corners, sloped bottom: these are its peculiarities which speed and assist the mix flow outgoing to the tap, even in case of very dense mixes.

05**STIRRER**

All the pasteurisers of the new TTi series are provided with a gradually operating stirrer which reaches, thanks to the inverter, 2500 rpm thus obtaining the ingredient dispersion and mixing (particularly in the 180 l models). Moreover they are provided with a mix flow restraint system to avoid an excessive foam-effect under special working conditions.

06**HEATING**

Bain-marie heating with continuous blending of the liquids. This, together with the PLC-controlled resistance heating devices, gives fine-texture and accuracy in production even at the 30% of the machine production rates, without burning the mix or the machine side panels.

07**COOLING**

Bain-marie cooling guarantees temperature uniformity in the whole tank and avoids ice formation on the tank bottom, mainly in case of small mix quantities, up to 30% of its max capacity.

08**LID**

As all the TTi series machines, also the pasteurisers are provided with a double lid with opening system actuated by servo-assisted hydraulic pistons for easy ingredient introduction even in case of product in progress. The machine has not to be stopped and the first lid has not to be opened in full compliance with certified EC safety regulations.

09 TAP



Completely made of 18/10 stainless steel, highly resistant over time, it is provided with:

- mix rejection system, to avoid mix residuals in the tap after mix erogation.
- automatic washing after any mix erogation.
- fast and easily removed.

10 SHELF SPACE



Provided with a steel shelf space on which buckets are placed during mix outgoing process to avoid the floor comes into contact with the bucket bottom. It can be easily removed and washed.

11 AUTOMATIC LITRE COUNTER FOR WATER SUPPLY



Provided with an automatic litre counter for pre-setting of the litres of water to be poured into the tank. Useful in case of even partial milk reconstitution.

12 WASHING



Automatic double washing system of both the tank and the tap.



29 PROGRAMMES

It is the inverter that makes the statement

The inverter Sweety TTI is provided with adjusts the stirrer rotation speed up to 2500 rpm. The special mix flow motion guarantees a perfect dispersion of all the ingredients as well as a molecular texture very similar to the micronization resulting from a "low homogenization".

Not only common pasteurisation...

The whole new range of Valmar Sweety TTI pasteurisers is provided with 29 different programmes able to meet the suit all the specific needs of ice-cream products.

10 GELATO MIX AND SYRUP PASTEURISATION AND STORAGE PROGRAMMES

5 MIX MICRONIZATION PASTEURISATION AND STORAGE PROGRAMMES

6 WATER AUTOMATIC PRE-SETTING PASTEURISATION PROGRAMMES

3 TOTALLY CUSTOMIZABLE COMPLETE CYCLE PROGRAMMES

1 MIX +4°C COOLING AND TEMPERATURE MAINTAINING PROGRAMME

1 AUTOMATIC WASHING PROGRAMME (WITH WATER AND DETERGENT)

1 STIRRING PROGRAMME

2 BOILING AND TEMPERATURE MAINTAINING PROGRAMMES (AVAILABLE WITH ADDITIONAL CHARGE)

Valmar's technological innovations implemented in the new series Sweety TTI improve gelato quality, speed and simplify some specific work processes as well as the machine cleaning and managing procedures, such as:

- thanks to the inverter the stirrer can reach 2500 rpm thus improving the mix quality through a better dispersion and molecular uniformity. All this gives gelato a finer and long lasting texture over time;
- if a partial or complete milk and cream reconstitution is needed, 6 dedicated programmes are available. The required water quantity is directly set through the 4,3" touch display. Moreover, the litre counter the new Sweety TTI series is provided with will automatically stop water erogation as soon as the set quantity is reached;
- machine sanitation is controlled by a dedicated automatic washing programme. Water is automatically erogated, heated and stirred. The operator will only have to pour the desired detergent and remove dense residuals, if any, that may form in case the machine is not regularly washed after any pasteurising cycle.

DIMENSIONS AND WEIGHT

| MODEL | Dimensions (mm) | | | Weight, water condenser included (kg) | |
|----------------|-----------------|---------|----------|---------------------------------------|-------|
| | W Width | D Depth | H Height | Net | Gross |
| SWEETY 60 TTi | 350 | 983 | 1046+100 | 185 | 205 |
| SWEETY 130 TTi | 521 | 983 | 1046+100 | 222 | 239 |
| SWEETY 180 TTi | 649 | 983 | 1046+100 | 250 | 271 |



DOUBLE LID



STIRRER



OUTPUT SYSTEM



TECHNICAL FEATURES

| MODEL | Tank capacity | | Stirrer motor speed | Power supply* | | | Rated power | Water average consumption per cycle**** | Condensing unit | | |
|----------------|---------------|-----|---------------------|---------------|----|----|-------------|---|-----------------|------------|-----------------------|
| | Litres | | | Volt | Hz | Ph | | | | | |
| | Min | Max | | | | | | | | | |
| SWEETY 60 TTi | 20 | 60 | 9 | 400 | 50 | 3 | 8 | 280 | Water | Air ** | Mixed air + water *** |
| SWEETY 130 TTi | 40 | 125 | 9 | 400 | 50 | 3 | 13 | 380 | Water | Air ** | Mixed air + water *** |
| SWEETY 180 TTi | 60 | 175 | 9 | 400 | 50 | 3 | 16 | 430 | Water | Air remote | / |

* Other voltages and frequency available with additional charge.

** Built-in air condensing unit available with additional charge.

N.B. weights and dimensions of machines equipped with optional equipment are different from those in the table.

*** Built-in mixed air + water condensing unit available with additional charge.

N.B. weights and dimensions of machines equipped with optional equipment are different from those in the table.

**** Water consumption can vary according to water and gelato temperature at the end of the batch freezing process.

Any model is available with remote compressor + air condenser with additional charge.

N.B. weights and dimensions of machines equipped with optional equipment are different from those in the table.

NOTE:

Production rates can change according to the ingredients used and to the stirring mode selected.

All specifications mentioned must be considered approximate. Valmar reserves the right to modify, without notice, all parts deemed necessary.

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