



SPECIFICATIONS

This unit has been designed to provide practical training in butter making.

The main structure of EMAN is a 25 liter stainless steel tank. On the upper part, a (stainless steel) lid with four braces (two on each side) seals the tank. There is a round window to visualize the state of the inner product. Within the tank, a set of blades churn the product.

The motor is the most important element of the unit, since it makes the blades roll. It is controlled by two switches, a green one to start and the red one to stop.

A security system blocks the blades while the lid is not in place.

The blades can be removed thanks to a releasing knob, what helps cleaning the interior.

There exist two valves. The upper valve allows the inlet of fresh water for washing the butter. The lower valve has a draining function for both the water and buttermilk.

Main metallic elements in stainless steel.

Diagram in the front panel with similar distribution that the elements in the real unit.

Up to 13 liters of cream may be used on a single batch.

Thermometer.

Approx. 0.5 kg of butter produced out of 1.5 kg of cream.

Cables and accessories, for normal operation.

Manuals:

This unit is **supplied with the following manuals:** Required Services, Assembly and Installation, Starting-up, Safety, Maintenance & Practices Manuals.

EXERCISES AND PRACTICAL POSSIBILITIES

Some Practical Possibilities of the Unit:

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| 1.- Production of butter from different types of milk. | 4.- "Phase inversion" of the oil/water emulsion which occurs in churning. |
| 2.- Production of butter by different methods with analytical and qualitative resolutions. | 5.- Thermodynamic evolution analysis of the butter production process. |
| 3.- Temperature study and agitation during the process. | 6.- Duration influence study of the final product process. |
| | 7.- Influence study of the turning speed in the final product quality. |

REQUIRED SERVICES

- Electrical supply: single-phase, 220 V./50Hz or 110 V/60 Hz.
- Water supply and drainage.

DIMENSIONS & WEIGHTS

- Dimensions: 550 x 470 x 410 mm. approx.
- Weight :30 Kg. approx.

* Specifications subject to change without previous notice, due to the convenience of improvements of the product.