



AUTOMATIC FILLING & THERMOSEALING UNIT

RS-180

Application field

Conceived for productions up to 1.800 pcs/h, this machine is suitable for packaging liquid and doughy products even containing small solid parts (pieces of fruit up to 1 cm), such as yoghurt, cheese, milk, jam, honey, sauces, soups, etc ; by means of proper fillers it is possible to also package products like margarine, butter, ice cream, etc

Description

The machine can work pre-formed containers made of PS, PET, PP, aluminum and coupled cardboard together with pre-cut aluminum or coupled paper lids. The FILM version is able to use lidding film coming from a reel, which has to be compatible with the containers. The size change takes about 15 minutes. It's a filling-thermosealing machine with an automatic turntable, able to package 1 container per cycle; completely made of stainless steel and anodized aluminum. The cleaning and maintenance operations are very simple. All the principal movements are mechanical and its working is controlled by Encoder and PLC.



Working

The machine has 6 working stations:

- 1) Denesting device for containers, with cup dispenser and detecting system.
- 2) Volumetric doser, adjustable from 50 cc. to 500 cc. (on request, dosing devices with different capacities can be supplied), suitable for filling either warm or cold product. Different nozzles can be fitted according to the product characteristics.
- 3) Denesting device for lids, mechanically driven, which works by means of vacuum; it is equipped with a lid dispenser and a lid detecting system.
- 4) Thermosealing unit equipped with a customized sealing head, electronically timed and thermoregulated.
- 5) Coding station (optional) composed of a mechanical arm, suitable for lodging alpha-numerical types, and complete with a pad with tank for quick-drying ink.
- 6) Mechanically driven ejection station.

The control panel is simple and allows the control of all the machine functions. Working speed is adjustable by means of a small wheel fitted by the machine side.

Production capacity

Able to carry out up to 1.800 pcs/h, by packaging yoghurt in 125 cc. containers. Obviously the output varies according to the characteristics of the products and containers and the required filling volume.

Options

RS-180/1: 30 lt hopper with lid

RS-180/2: accessories for different cup size

RS-180/3: "CE" protections

RS-180/4: agitator for hopper

RS-180/5: level probe for hopper

Technical Characteristics:

	RS-180
Dimensions:	1400 x 900 x 1900 mm
Weight:	350 kg
Installed Power:	1,5 kW – 400/3 V + Neutral – 50/60 Hz -
Pneumatic feeding:	35 lt/min @ 6 bar
Max. productivity	1.800 cycles/h
Container max. dimensions:	Ø 125 x h 120 mm
Filling capacity:	50 ÷ 500 cc