

30 TUBES FILLING MACHINE FOR HEATING ELEMENTS WITH DOUBLE THERMAL FUSE



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This type of machine is best suitable for filling armoured electrical resistances which lodge at each top-end extremities the application of a security thermal fuse due to satisfy latest safety requirements; commonly recently applied on the domestic washing machines fields.

Its most peculiar features are the rapidity of the tooling procedure when changing the length of the tube and the projection of the terminal pins.

As a matter of fact, the operator can set such dimensions while reading their values directly on the display.

This model of machine permits to reach high precision of the movements being doted of CNC controlled axis.

The filling speed can be easily adjusted from the control panel. Furthermore, in order to reduce down time, all the idle strokes take pace at the highest translational speed.

It is also equipped with a safety stop for when introducing the centre squares inside the tubes to fill, should there be any deformities, if this is the case, this would also be signalled for each single tube.

The electromechanical vibration system is mobile and hooked to the return motion of the filling saddle. In fact, the vibration point is located so as to correspond to the magnesium oxide dispensers.

The operation for unhooking the terminal pins at the end of the cycle is automatic and supported by an electronic check of the terminal pins which have not been released.

Thanks to the saddle mobility, the height for loading the spirals is always constant.

Upon termination of the filling operations, the tube bundle is released and carried outside, where it will be grasped with the pliers for loading and unloading operations.

The application of a system of automatic hooking for the special terminal pins of these resistance, permits to reduce to zero the feeding time of the coils because made in parallel time the filling cycle.

The various filling programs can be easily stored with a lot of variables for each file.

MAIN TECHNICAL CHARACTERISTICS:

Diameter of the tube to fill	mm	10x0.4-0.5
Length of the tube to fill	mm	250-1250
Tube pitch	mm	19.05
Average filling speed	mm min.	300-400
Filling precision	mm	+0.5
Height of spiral loading	mm	1200-1300
Wattage installed	kW	1,5
Power supply	Volt	3x400-50 Hz+N
Pneumatic pressure	bar	6
Dimensions	mm	1600x1000x4000H
Weight	kg.	2500
Tooling time when changing the length	min	2

