



Washing and polymerising machines E2-M9-M18

Ref. 080060 - 080400 - 080402



Inox



Inox

E2 WASHING AND POLYMERIZIN MACHINE INOX.

Ref. 080060

Inox



This machine is easy and safe to use, and saves time as all its processes are automatic. It polymerises 12 flasks.

It efficiently softens and eliminates wax from models. It avoids unnecessary manipulation during scalding. Electricity and water consumption is low (closed circuits), and maintenance is simple.

FRAME STAINLESS STEEL

Frame made entirely of stainless steel, a non corrosive, easy-to-clean material.



Characteristics:

Height (without knob) 450 mm • Width (with key) 405 mm • Depth 635 mm

Weight 34 kg • Power 2200 + 400 W • Voltage 230 V - 50 - 60 Hz

Ergonomics

Twin display screen: one for temperature, the other for time.

Graphic showing shower temperature increase and holding, with indication of what process is ongoing.

EASY TO HANDLE:

▶ **Search key:** press to enter programming mode. The setting to be changed on the graph flashes.

▲ **Up key:** press to increase the time or temperature setting flashing on the graphic.

▼ **Down key:** press to decrease the time or temperature setting flashing on the graphic.

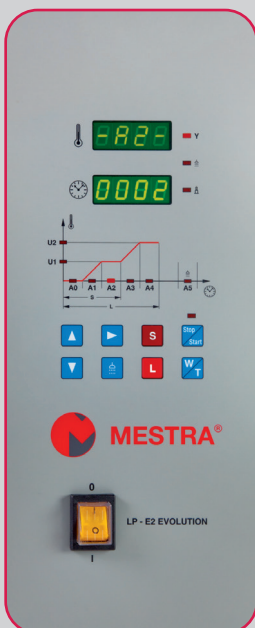
⏏ **Escape key:** press to exit programming mode and memorize settings.

⏏ **Stop/start key:** hold down for 5 seconds to turn the washing & polymerising machine on and off.

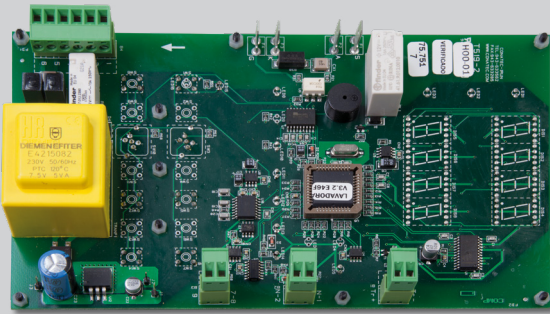
🚿 **SHOWER KEY:** press to start the shower for the programmed time.

⏏ **S Short program key**

⏏ **L Long program key**



Microprocessors



- ✓ Time & temperature control.
- ✓ Shower time & temperature control.
- ✓ Buzzer to indicate end of program.
- ✓ Last program memory.
- ✓ Automatic disconnection at end of long program.
- ✓ Heating control by triac.
- ✓ Thermocouple breakage indicator.
- ✓ Protection against overheating during shower process (cavitation effect).
- ✓ Pump protection on cold start-up.
- ✓ Protection against incorrect resets after power cuts (during shower process).
- ✓ Protection against voltage variations.
- ✓ Protection against electromagnetic emissions.
- ✓ Protection against electrical power cut (last figure is memorised).

Capacity



Large compartment with room for 6 clamps with 2 flasks each.

Washed

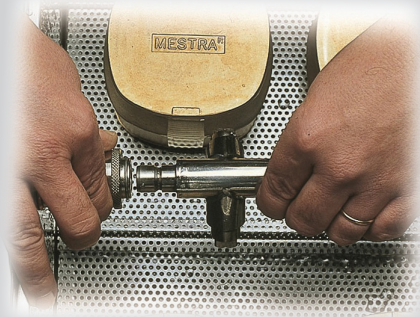


The washing system with 6 highpressure water injectors ensures proper scalding of flasks and perfect wax removal.

Drainage tap.



Disassembly



Fast spray tree assembly and disassembly system.

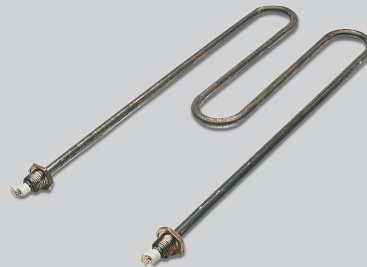
Motor



High-power motor pump of proven reliability, protected by heat relay.



Spray tree.



High-quality, oversized heating element.

Stainless steel cabinet

Ref. 080050



Completely made of stainless steel. Together with the Washing and Polymerising Machine **Ref. 080060**, they make a practical, aesthetic and unchanging combination in dental labs. It has three inner shelves in order to keep adequately flasks, clamps and any other material used in polymerising processes.

Outside dimensions:

Height 680 mm

Width 640 mm

Depth 370 mm

Weight 22 kg

M-9 POLYMERISER

Ref. 080400



Characteristics:

Height 470 mm • Width 270 mm • Depth 480 mm

Weight 15 kg • Power 1750 W • Voltage 230 V - 50-60 Hz

Inside measures: Height 335 mm x Width 180 mm x Depth 350 mm

The biggest problem in laboratories using polymerisation techniques is the condensation and water vapour produced by boiling water. High levels of humidity are harmful for health and can damage objects. **MESTRA** has reduced this problem by providing this polymeriser with a precise control which enables temperatures to be set in tenths of a degree. Water can thus be heated to 98.5° without boiling it, and therefore without affecting the quality of polymerisation.

Made completely of stainless steel. Polymerizes 9 flasks with the Ref. 030390 clamp The M-9 polymerizer is equipped with a processor to change the temperature according to a pre-set programme. On the M-9 the operator (user) can select the following:

- ✓ A delayed start time set in hours and minutes from 0.00 to 99 hours 59 minutes. This means the programme can be pre-set to start at a specific time. The delay works every time the programme is initiated.
- ✓ The duration of each temperature increase gradient in hours and minutes from 0.00 to 99 hours 59 minutes.
- ✓ The desired holding time in hours and minutes from 0.00 to 99 hours 59 minutes at each plateau.

M-18 POLYMERISER

Ref. 080402



It is exactly the same as the Ref. 080400 except for its size that can hold up to 18 flasks.

END OF TREATMENT WARNING BUZZER

- ✓ When the programme completes the treatment or A4, a modulated warning buzzer is set off for one minute. When the alarm buzzer sounds, press any key to acknowledge the alarm and continue the programme.
- ✓ If the power fails, the regulator stores all its data, and when the power returns it continues from the same point in the programme.
- ✓ Programmes and parameters are stored indefinitely when the power to the regulator is cut off.

Characteristics:

Height (with knob) 510 mm • Width (with key) 420 mm • Depth 500 mm

Weight 20 kg • Power 3000 W • Voltage 230 V - 50-60 Hz.

Inside measures: Height 350 mm x Width 320 mm x Depth 400 mm

Easy to handle



Twin display screen: one for temperature, the other for time.

Graphic showing shower temperature increase and holding, with indication of what process is ongoing.

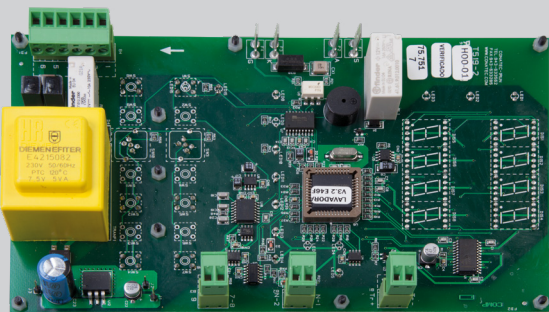
EASY TO HANDLE:

- ▶ Search key.
- ▲ Up key.
- ▼ Down key.
- ⊠ Escape key.
- ⊠ Stop/ start key.

FEATURES:

- ✓ Delayed start time from 99h. 59 min.
- ✓ Time taken to reach temperature or holding time from 00.00 to 99 h. 59 m.
- ✓ Water temperature (max: boiling).
- ✓ Buzzer and automatic disconnection.

Microprocessors



- ✓ Time & temperature control.
- ✓ Buzzer to indicate end of program.
- ✓ Last program memory.
- ✓ Automatic disconnection.
- ✓ Static relay for heating control
- ✓ Thermocouple breakage indicator.
- ✓ Protection against voltage variations
- ✓ Protection against electrical power cut.



At **MESTRA** we are specialized in the manufacture and distribution of dental machinery and appliances. We are a Spanish company based in Bizkaia. We currently export to clients in more than fifty countries on five continents and we have more than a thousand references in our catalogue.

We have maintained a line of constant expansion since our foundation in 1945, thanks to our best qualities: the high quality of our products that have earned the ISO 9001:2015 certification by TÜV Rheinland, a close and attentive relationship with our customers, and a constant technical innovation in the design of our products.

Our design philosophy is based on three fundamental pillars: the needs of our clients, the observation of the techniques used in dental laboratories and our more than 77 years of experience providing creative and contemporary solutions to the daily problems of professionals in the sector.

Do you want to take a virtual visit to our training and exhibition center?

Contact us and we'll show you!



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