



MESTRA®

Automatic polymerisation pot

AUTOPOL
Geissen



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MESTRA®

CAPACITY

“You will have no problems to fit your jobs inside”



SAFETY

“We are talking about a machine which brings together pressure and temperature”



VERSATILITY

“At **MESTRA**, we have decided to construct a universal machine”



At **MESTRA**, we love small machines, because we know that space is limited in modern dental laboratories. However, we are categorical that this reduction in size may under no circumstances affect the properties and operability of the device, at all.

The **Autopol** polymeriser faithfully complies with this doctrine: a tank of generous dimensions has been chosen for the design (6 litres and 210 mm diameter), comfortably meeting the production needs of a medium/large laboratory. We are certain that with such a large volume, you will have no problems to fit your jobs inside.

It is well known that safety is one of the most important aspects for the **MESTRA** design team. But when the matter at hand is a machine that combines pressure and temperature, our concern for safety intensifies. The solution provided by our engineers is, once again, ingenious: to minimise the risks that pressure implies, they have opted for a tank **WITHOUT WELDING**, with a simple hole in the centre of the bottom, because that is where the lowest forces are exerted.

This configuration significantly reduces the risks of breakage of the tank from the effect of pressure. Nevertheless —just in case—, three further safety valves take charge of acting in the case of problems. The electrical circuit follows the same philosophy. The heating elements have their operating temperature limited to 230°C by means of two heat sensors and a piece of software designed with safety criteria. By this strategy, the risk of accidents has been reduced to a minimum.

Automatic low-pressure polymerisers have traditionally been manufactured with criteria to adapt to the requirements of one specific material present on the market. Their temperatures are pre-established, making it very difficult to adapt the parameters of these machines to a new material.

Nobody can predict the future, and so no-one knows what new materials will appear on the market within a short period of time, nor, most importantly, what polymerisation requirements they will demand.

Is it logical to have to change polymerisation machine when you decide to change to a new material? For this reason, at **MESTRA**, we have decided to construct a universal concept of machine. Its time and temperature parameters are easily programmable by the user, to adapt to any of the materials present on the market and also to those which may arrive.

Connections



QUALITY

“Design with the objective of achieving a practical and functional product”



The **Autopol** Polymerisation Pot, —as is the case with all **MESTRA** products— has been designed with the objective of offering a practical and functional item, which is also harmonious. The quality of the materials used, the level of the finishes, the feel of the controls, the simplicity of use, the easy-to-close lid, and the ergonomics, are clear indicators of the demanding level to which **MESTRA** submits all its products. All this attention to detail is readily observed in the **Autopol** polymeriser, whilst being at the same time difficult to define. As with the rest of our products, it comes with build features characteristic of the brand, which make it a very high quality and extremely reliable item. If you are already a **MESTRA** customer, you will already be certain of this.

BEAUTY

Beauty needs no explanation



Nowadays, it is not enough for a machine to be functional and fulfil the task for which it was made. Designing an attractive product with charm, and which does not go unnoticed in the dental laboratory, is the finishing touch needed so that the product can be classed as “excellent”, something that the **MESTRA** team has striven for throughout the execution of the **Autopol** project. How can a manufacturer quantify the value which beauty brings to its product? There is no way of knowing. Perhaps Oscar Wilde’s response when he said: “And beauty is a form of genius —is higher, indeed, than genius, as it needs no explanation.” At **MESTRA**, we too believe that the beautiful lines of the **Autopol** polymeriser are in need of no explanation.

ADVICE

For choosing a polymeriser

- Safety first. Do not forget that this is a machine which combines pressure with temperature. It must therefore have efficient safety measures. The tank without welding, with a single central orifice channelling all the inputs, three safety valves, three temperature sensors, etc... are indicative of the level of safety of the **Autopol** polymeriser.

- Check that the ergonomics and ease of use of the machine are optimal. Access to the tank, ease of programming, visibility of the keypad, ease of cleaning, system of lid closure, etc. are points that deserve special attention.

- The heating system is also important: The temperatures must be reached precisely and, of course, be maintained. The time needed to reach the operational temperature must be minimal.

- Another aspect of great importance is the possibility of modifying the parameters. Purchasing a machine with parameters adapted to the requirements of a particular manufacturer reduces its versatility. Such a machine may subsequently lose its validity if you decide to change product, or if new materials appear in the future.

- Although of secondary importance, do not neglect the design of the product either: a modern and efficient professional must use modern and efficient tools. Outdated designs from a number of decades ago give a poor image of your laboratory.

After examining the aforementioned points, ask for the price, the technical service and other aspects offered by the manufacturer of the product. After obtaining all this information, reflect carefully before making your choice. If you follow this advice —whatever your final decision— you can be sure of having made the right one.

Characteristics

Automatic polymerisation pot **AUTOPOL**
R-030425 *Feisler*

Height:	350 mm
Width:	
Depth:	400 mm
Weight:	
Voltage:	230 V, 50/60 Hz.
Maximum temperature:	100 °C
Operational pressure:	2 bares
Heating power:	600 W
Volume of the tank:	6 litres

*The manufacturer reserves the right to make modifications
without prior notice.



MESTRA[®]
The brand you can trust



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