MICROWAVABLE FLASK EYE-FLASK
DEVELOPED UNDER THE TECHICAL SUPERVISION
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Description

Apt resin polymerization flask to polymerization in MICRO, THERMO and AUTO

Characteristics

It is made using a plastic material wit a high resistance to temperature (115º) and a high hardness, non-deformable at this high temperature.
Fine finishing in 2 pieces having only one possible fitting between them.
All the metal components are made of stainless steel.
Multi-technical, it can be used in polymerization techniques (MICRO, THERMO and AUTO).
Bridles are not necessary.
Small size in order to spare material and make the manipulation easier during the industrial process of manufacturing ocular prosthesis. 70 cm. ø x 50 cm. height.
Circular shape for a homogenous temperature distribution.

Working technique

Apply paraffin or any similar material in the inner part.
Position of the wax model in plaster according to the usual working technique.
Remove the wax. The wax can be soften in a microwave during approximately 10 seconds **AT LOW POWER.**
Wrap the acrylic according to the usual technique.

Lock the flask, press at 2 kg. x cm2 **WITHOUT SCREWS**, , move it away from the press, and tighten the screws.

Polymerization

ATTENTION: SCHEDULE THE MICROWAVE ALWAYS AT LOW POWER

A) **POLYMERIZATION IN MICROWAVE: ONLY WITH PLASTER ALWAYS DAMPEN.**
Introduce the flask in the microwave and heat it during 1 minute **AT LOW POWER** (values for 800w microwaves and our acrylic **EYE-MICRO**).
For a crystal finish, **DAMPEN THE PLASTER** and heat it during 1 minute **AT LOW POWER.**
B) **HOT POLYMERIZATION:**Plunge the flask in warm water (30-40 ºC). Heat it until 100ºC and leave it boiling during 20 minutes. Make sure there is a minimum of 3 litters of water in the container. In case of polymerizing different flasks at the same time, 2 litters of water are needed per each flask.
C) **AUTO POLYMERIZATION:** 2 bars of pression in a polymerization pot.

Attention:
Once finished the polymerization using any of the possible systems, the flask should be left cooling before opening it, it can be immersed in cold water.

These flasks are proven in all polymerization techniques for the ocular prostheses manufacture and their suitability is assessed.
The flasks can't exceed the temperature of 115ºC. All the times and methods of use are related to our acrylic products and the polymerization standards, any other product or method of processing will need preliminary trials.