Product Specification GFW

MEDIS Medical Technology
Anatomy-Forensic Medicine-Pathology

Product: PEG Infiltrator for Plastination
Cat.-No.: MA-1500

PEG Infiltrator for Plastination

For the impregnation of anatomical, zoological and geological specimens in aqueous solutions, such as polyethylene glycol (PEG)

Type: 1500.0

Description

Most modern PEG infiltrator for use in plastination, education and research as well as for long term preservation of tissue specimens.

Sturdy steel frame construction with fully stainless steel sheet (0.8 mm) covered.
Hermetically sealed container for about 300 liters with outlet connection (about 400mm above floor).
Interlock process chamber lid with swivel mechanism for safe handling when opening and closing.
With hermetically sealed cover and special seal.
4 wheels with locking mechanism
Microprocessor controlled functions: Heating temperature, overtemperature, vacuum, etc.
Digital display of actual temperature programming the set temperature
Electric heating through heat transfer medium (glycerin)

MA-1500 P.E.G. Infiltrator (mobile version)


MA-1500 P.E.G. Infiltrator (version with integrated touchscreen programming

Components and Features

a) Double-process chamber with a sloping floor
Material: all stainless steel
Internal dimensions: 900(L) x 700(D) x 600(H) mm

Double-chamber side panels with dip tubes for inspection of heating cartridges. Indirect heating by heat transfer medium (glycerin). Double jacket insulated to 50mm below the top of the boiler to avoid thickening of P.E.G. Base and side portions insulation of the chamber is 60mm.

Cover lid with special seal to completely hermetically gastight closure of the chamber during the impregnation process. The lid is balanced so that the opening and closing can be easily carried by one person.
In addition, the cover lid includes a 6mm thick embedded safety glass, so the objects can be observed during the infiltration process without opening the lid.
A special handle on the lid, which carries no heat, guarantees the optimized handle height.

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VAT I.D No.: DE 257 930 159
Trade Register I.D.No.: HRB 3402
Manufacturer I.D. No.: 21659

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b) Equipment and trim
Entire chamber including base surrounded with 60mm thermal insulation.
Outer shell made of stainless steel sheet.
Splash protected structure. 4 castors with locks for mobile use.
Easy removal of cover panelling for easy access and performing service work.
Easy access to all valves, cartridges and other components.
Approx. 7m power cable included.

c) Electrical components
- Thermal protection against overheating (110° C) for heating medium.

- Electronic thermal sensor type PT 100° to 106° C for monitoring the P.E.G. - bath temperature installed on top of bath

- Thermostate for monitoring the glycerin heating jacket

- Microprocessor controlled digital temperature control, including function owing to actual value display and setpoint adjustment installed in the front of the integrated control module.

- Working temperature: room to +90 ° C
- Accuracy: + / - 2 ° C
- Heat-up time: 20 ° C to 50 ° C in 2 -3 days / 50 ° C to 90 ° C in 3-5 days

d) Valves
- filler neck for the heat transfer medium (glycerol)
- safety valve installed in the lid (1.6 bar)
- drain valve (ball valve) 1 1/4 "(400mm from the floor)
- vent pipe for heat transfer medium (glycerin)
- level control socket for glycerin
- exhaust valve for venting the pressure in the process chamber

e) Vacuum operation
- The device has an integrated vacuum pump. I may be programmed as follows:
  Operating without vacuum
  Operating with alternating vacuum (intervals programmable)
  Operation with a constant vacuum

Option

The P.E.G. Infiltrator can alternatively be equipped with a so called touch screen programming unit against surcharge.

Safety Note: The heat carrier / heating system is not working under pressure!

Country of Origin

Manufactured by MEDIS MT GmbH in Germany acc. to EN and German norms and the health & safety regulations of the EC!

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