

# Sterilizer 205

The new dry-heat sterilizer: faster and more reliable.



With  
innovative  
fan system.

## Greater reliability

The conventional generation of dry-heat sterilizers used until now featured only thermal heat interchange inside the device. Hygienic specialists, however, have warned that cold-air pockets can develop in these units and can endanger sterilization effectiveness. This problem has now been solved. The new MELAG *Sterilizer 205* features a highly effective system of mechanically forced air movement. This means that a fan assures completely satisfactory heat interchange inside the device, and at the same time prevents overheating.

## Greater time savings

For everyday practice, mechanically forced air movement considerably reduces operating time. This means that important instruments are ready faster. Conventional dry-heat sterilizers of this size require approx. 90 minutes – but the new MELAG *Sterilizer 205* requires only 60 min., thanks to mechanically forced air movement. Even with enclosed instruments (e.g., in closed aluminium cassettes), overall times from 75 min. are possible.

## Space-saving design

The MELAG *Sterilizer 205* replaces the Type 211–225 dry-heat sterilizers which MELAG has successfully produced for decades. The new space-saving design of the *Sterilizer 205* has reduced the outer dimensions while retaining the same effective capacity (14 litres). The installation width of the *Sterilizer 205* is only 31 cm. The outside enclosure and the interior of the *Sterilizer 205* are made of high-quality stainless steel.

**MELAG**<sup>®</sup>

**Quality – made in Germany**

## Dry-heat sterilization

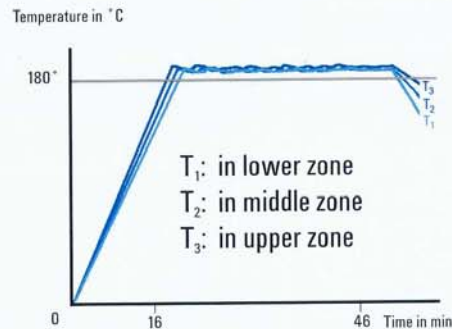
The dry-heat sterilization process represents a recognised sterilization technique (e.g., as set forth in DIN 58947). Hot air at 180 °C can sterilize all articles made of inorganic materials: e.g., metals, glass, porcelain, earthenware, enamel, etc.



## Temperature precision

A thermometer monitors the actual temperature inside the *Sterilizer 205*. The precise capillary-tube temperature controller regulates an operating temperature range of 60 - 180 °F. Turning the controller knob enables continuously variable regulation of the temperatures.

Controller precision  $\pm 2.5^\circ\text{C}$  at 180 °C



The above diagram demonstrates how mechanically forced air movement assures outstanding temperature constancy at each point in the sterilization chamber.

## Large sterilization chamber

Despite the compact outer dimensions, the *Sterilizer 205* can hold six large aluminium trays or three closed aluminium cassettes. The standard version of the *Sterilizer 205* with Tray Mount no. 1 is equipped for accepting up to 6 trays. Tray Mount no. 2 enables sterilization with three aluminium cassettes or 3 trays. Exchanging the tray mounts is quick and easy.

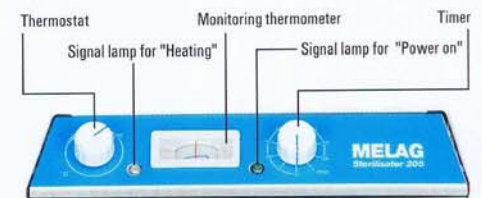
"Tray Mount no. 1"



"Tray Mount no. 2"



## The control panel



Technical data for the *Sterilizer 205* (width x depth x height):

Inside 19 x 36 x 20 cm · Volume 14 litres · Outside 31 x 47 x 38.5 cm · Tray 18 x 36 x 2 cm · Cassette 19 x 29 x 4 cm · Power 230 V AC / 50 Hz · Weight 17 kg

## Still in the MELAG line: Type 255

The large sterilization chamber in Type 255 enables it to sterilize very long instruments. Type 255 also features mechanically forced air movement. It is possible to sterilize up to 6 trays (42 x 18 x 2 cm) at the same time.



Technical data for Type 255 (width x depth x height):

- Chamber (Aluminium) 50 x 20 x 21 cm
- Trays 42 x 18 x 2 cm
- Volume: 21 litres
- Outside (enamelled steel) 78 x 36 x 34 cm
- Power 230 V AC / 50 Hz · Weight 13 kg

## Quality and precision for most exacting hygienic requirements

Fifty years ago, MELAG began in Berlin to specialize in the manufacture of sterilization equipment. As a result of high-level quality consciousness, reliability, and innovative eagerness together with the highest in

safety objectives the family-run enterprise MELAG has succeeded in becoming one of the leading producers of sterilization equipment. Verification of this success has been the sale of more than 300,000 MELAG sterilization units around the world. Decades of experience, modern computer-aided production technology, the employment of highest-quality materials, and an experienced and reliable staff all these have made MELAG equipment renowned for its quality and for its convenience of operation.



# MELAG®