

# MELAtronic® 23

## Standard autoclave with electronic control



### Quality

Quality engenders confidence. This experience has already been made by thousands of satisfied doctors who have decided in favour of using MELAG autoclaves in their practice. The decision against the cheapest autoclave is rewarded by long-term reliability and the safety which it brings, ensuring top-class protection for both you and your patients. All of our autoclaves are developed and produced in Berlin.

### Highlights

- Electronic system for monitoring the program run
- Setting pre-heating and post drying
- Digital display for the temperature in the sterilization chamber
- Chamber made of high-quality stainless steel
- Easiest mechanical drain for replacement of used water
- Easy access to water storage container



# MELAtronic® 23

## Standard autoclave

The new MELAtronic® autoclaves are designed for medical practices in which a standard autoclave with the gravitation process is sufficient. They also, however, satisfy the following additional requirements: the need for highly precise and immediate information on the sterilization procedure via digital display, and for electronic parameter control of temperature and killing time.

## MELAtronic® means: greater reliability

The electronic system automatically checks whether the parameters decisive for successful sterilization — pressure and temperature — are achieved and maintained, also over the required time of action. The electronic system displays error information if, for example, the autoclave is loaded with too many instruments — which would prevent it from maintaining the required temperature accuracy.

## Automatic process run

After activation of the »Water« switch (with dosing of the required amount of water in the autoclave chamber), the user selects the Gentle Program (1 bar/120° C) for the sterilization of textiles, rubber, etc. — or the Normal Program (2.1 bar/134° C) for fast instrument sterilization. Pressing the »Start« button then initiates the full-automatic program run.

## Versatile operating options

It is possible to select the »Drying« function as option. This considerably shortens program run times, and supports — with slightly opened door — the drying function even for demanding drying: for example, large loads, packed instruments, etc. A pre-heated sterilization chamber, in addition, will automatically shorten the heating-up time and, in turn, the overall operating time for the sterilization process.

## Enhanced expulsion of air

Sterilization is not possible without effective expulsion of air. In the design of MELAtronic® autoclaves, innovative improvements have significantly enhanced the results of the gravitation process. In addition to the conventional vent nozzle, a high-quality solenoid valve assures maximum air expulsion. This not only ensures greater reliability, but also saves time and energy.





### Technical data

Dimensions	depth × width × height
Outside	55 × 51 × 38 cm
Inside (Ø = diameter)	Ø 23 × 45 cm for 19 litres
Tray	42 × 19 × 2 cm
Power supply	230 V, 50 Hz, 1970 Watt
Weight	30 kg
Maximal loads	4 kg of instruments, 500 grams of textiles



### Foilholder – for optimizing drying

Using a foilholder in the MELAtronic® 23 (article no. 283) can considerably improve drying results for wrapped instruments. If the packages stand vertically in a foilholder, however, the condensation quickly flows downward out of the packages. This means significantly more effective drying.



### Sterilization Containers for contamination-proof storage of sterilized items

If sterilized items must remain in sterile storage for lengthy periods of time, they can be stored in Sterilization Containers that have perforations in their covers and bottoms, and that are provided with filter inlays. These Sterilization Containers are provided with closures and cover seals in accordance with the European Standard 868.



### MELAdest® 65

The MELAdest® 65 is a small, very cost-effective system for producing highest-quality distilled water to ensure best steam quality for the sterilization. It requires only a power connection. The distilled water flows into the supplied plastic container — which is then used to fill the water into the storage tank of the autoclave. Saving of money — distilled water from the MELAdest® 65 is cheaper by the litre than from the store. Consistently high water quality. No return of empty containers to the store.



## Sterile storage

Sterilized instruments must be safely protected against re-contamination between their removal from the autoclave and their next use. MELAG offers tried-and-proven as well as economical components for such protection: MELAfo<sup>®</sup> and MELAseal<sup>®</sup>.

### MELAfo<sup>®</sup>

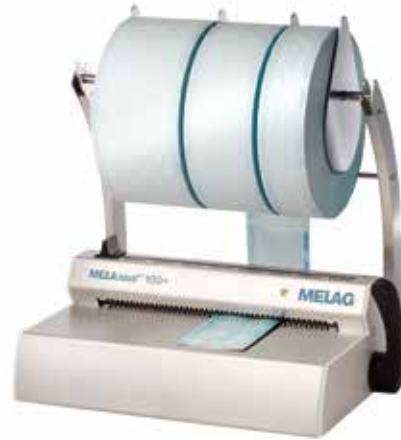
Sealing instruments in MELAfo<sup>®</sup> sterilization packages provides effective protection against contamination of sterilized items. MELAfo<sup>®</sup> sterilization packages consist of a combination of paper and transparent film. They are microbe-proof, resistant to tear, and easy to open with their peelable sealing seams MELAfo<sup>®</sup> is conform to DIN EN 868-5.



MELAfo<sup>®</sup> is available as rolls or as bags.

### MELAseal<sup>®</sup>100+

MELAseal<sup>®</sup> Package Sealing Devices easily and reliably seal MELAfo<sup>®</sup> sterilization packages. MELAseal<sup>®</sup> produces sealing seams 10 mm wide (DIN 58953 requires only 8 mm) without physical strain on the operator. MELAseal<sup>®</sup> has a monitoring system for checking the sealing temperature and sealing time. Insufficient operations will be indicated by optically and acoustical.



MELAseal<sup>®</sup>100+ with reel-dispenser »comfort«.

## Innovation and quality — the philosophy of a family-run business.

As an owner-run and operated family concern founded in 1951, we have a long history of successful specialization on hygiene products for practice use. A medium-scale business, it is this specialization and our expertise which allow us to maintain and develop our product range in such a way as to satisfy international market needs. Our focus on quality and sound practice, our openness to innovation and the precedence which we accord to safety has established MELAG as the world's leading manufacturers in the hygiene sector, selling over 490,000 devices to date. Our entire product range is developed and produced exclusively in Berlin. Over 300 employees work on ca. 22,000 m<sup>2</sup> premises. We have never seriously considered outsourcing to low-wage third countries, as we did not want to risk a reduction in our world-beating quality. We have also ruled out an expansion of our product range to exceed provision for practice hygiene, as we remain convinced of the advantages of consistent specialization on a narrow range of high-quality products. Our highly motivated employees make a decisive contribution to making our products even better, safer and thus more successful. This is their contribution to keeping their jobs safe.



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EN ISO 13485:2012  
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