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# Essential and safe: **MS**



ms

## Safe, easy and cost-effective sterilization

Sterilization with high hygiene standards: The drying process with the door-closed together with antibacterial filters and fresh water ensures a high level of hygiene, cycle by cycle. The MS offers cycles for wrapped and unwrapped instruments, with an automated drying process.



**High biosecurity standards**  
Guaranteed by the closed-door drying process with anti-bacterial filters and the use of clean water in each cycle.



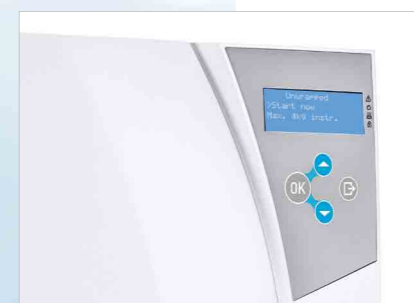
**Flexibility and time-saving**  
The MS has cycles for both packaged and unpackaged products, with an automatic drying process.



**Large capacity**  
With its 22-litre chamber and rack for five trays, the MS offers greater load capacity for practices with high volume of work.



**Optimized workflow**  
Program the cycle to start at a set time to improve the efficiency of your workflow.



**Safety first**  
Pressure and temperature controlled mechanically and electronically.



**Ergonomics**  
The automatic filling and draining functions for the water tanks and the automatic door lock improve ergonomics and save you time.



**Optimized**  
for efficient and fast work processes



**Large capacity**  
**22 litres**  
for high load capacity

**Ergonomics**  
for comfortable use and maintenance

**High hygiene standards**  
for your peace of mind

**Anti-dust filter**  
for extended service intervals

**Modular feet**  
for easy installation even in narrow spaces

# Technical data

## Your advantages at a glance

- › **High hygiene standards** for your peace of mind
- › Special **drying features** ensure processed items are easy to handle
- › **Large capacity** 22 litres for high work load
- › **Low maximum power consumption**
- › Accurate distribution of sterilization **temperature** and thus **high efficiency**
- › **Anti-dust filter** for long service intervals
- › Simple user interface for **comfortable handling and maintenance**
- › **Modular feet** for easy installation

### MS sterilization programs

Sterilization cycle:	Unwrapped	Wrapped	Gentle
Temperature:	134°C	134°C	121°C
Holding time (minutes):	6'	6'	15'
Total cycle duration (minutes)*:	21'–25'	58'–62'	55'–59'
Max. load:	4 kg of unwrapped instruments	1–3 kg of wrapped instruments**	1 kg of wrapped heat-sensitive instruments or 4 kg of unwrapped instruments

Item supplied with reversible rack, 3 aluminium trays, drain tube, tray holder, factory test

\* Total cycle duration – the times quoted are for the 220 V model and vary depending on the initial conditions of the chamber (hot/cold). The duration of the cycle may vary depending on the type and weight of the load, voltage, etc.

\*\* The default drying guarantees the sterilization and drying of 3 kg in 62' total time, placing 1 kg per tray. The drying time may be manually reduced when processing 1 kg thus obtaining a total cycle time of 38'.



	MS 110 V	MS 220 V
Type:	MS 22	
Chamber size:	22 l	
Power supply:	100–125 V AC; 50/60 Hz; 15 A	200–240 V AC; 50/60 Hz; 8.75 A
Power consumption:	1.6 kW	1.75 kW
Overall dimension (w x h x d):	450 x 435 x 599 mm	
Weight (empty):	38 kg	
Mean sound levels (L <sub>WA</sub> ):	63 dB	
Main/Used water tanks:	4/3.5 l	
Working range:	8 cycles	
Usable space in chamber (w x h x d):	195 x 195 x 390 mm	
Connection types:	Serial port for printer, automatic water filling connection	

### MS sterilizers were designed, certified and validated with the most stringent directives and standards:

93/42/EEC	Medical Device Directive	IEC 61326-1	Electromagnetic compatibility
2014/68/EU	Pressure Equipment Directive	IEC 61010-1	Safety requirements
ANSI/AAMI ST55	Table-top steam sterilizers	IEC 61010-2-040	Specific requirements for steam sterilizers

› The sterilizer can be validated according to EN ISO 17665-1

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