MELAG

competence in hygiene

The MELAG Pro-Class

The most sold steam sterilizers in the world



Quality – made in Germany

500,000 MELAG units worldwide

Outstanding quality – you can rely on.

Practices and clinics all over the world benefit from the unique MELAG quality - made in Germany. Discover the advantages of our reliable and high-performance Pro-Class autoclaves for safe instrument sterilization.

Find more references in your country on:
www.melag.com/en/references



„The reliable Vacuklav® saves considerable time and ensures the highest levels of safety for patients and practice team alike."

Clinic Frank Bachmann, Germany



„With our MELAG steam sterilizer we offer the highest safety and protection standards for our most loyal friends, ¡Our pets!"

Animalogic Clínica Veterinaria, Spain



„We need reliability, that's why we choose the MELAG Pro-Class."

Sakala Hambaravi, Estonia



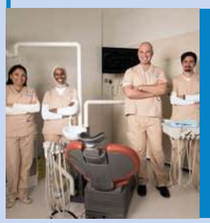
„We set the focus on integral health and the well-being of our patients. The MELAG System Solution perfectly supports this approach."

28CliniC, Japan



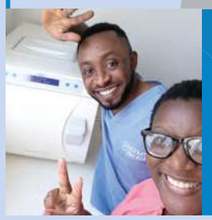
„Sturdy design, high performance and short sterilization cycles. With MELAG autoclaves we choose quality."

First Private Dental Center, Ukraine



„In MELAG, we have found an excellent partner providing the best-possible hygiene standards and optimal workflows."

Sparkle Dental Boutique, Abu Dhabi



„The reliability of the device, its low follow-up costs and the excellent MELAG support convinced us to purchase a Pro-Class steam sterilizer."

Platinum Orthodontics, Ghana



„The MELAG system ensures a quick and safe decontamination workflow in our clinic."

Prosthodontic Associates, Australia

The MELAG Pro-Class

We are the right partner by your side.

Decades of experience in conjunction with the specialized expertise in infection control guarantee the most reliable and innovative solutions in the field of instrument decontamination: The Pro-Class steam sterilizers convince with ease of use, sustainability and superior quality. Get an overview of our advantages at a glance:

Experience:
Specialization
since 1951

Trust:
Over 500,000 units
sold worldwide

Quality:
Made in Germany

Innovation:
450 specialized
employees in Berlin

System Solution:
Instrument decontamination
from a one-stop provider



The product highlights

Performance
High loading capacities and quick sterilization times enable efficient workflows.

Safety
The integrated documentation interface provides maximum process reliability.

Flexibility
Benefit from our wide range of products and choose between devices with three chamber depths as a fixed water or stand-alone unit.

User-friendliness
The MELAG 4-key concept and our digital tools make for an intuitive operating concept.



Find out more about the
product highlights in our video
www.melag.com/en/multimedia

As versatile as your needs:

Vacuklav® 30 B+
Steam sterilizer with a 35 cm chamber depth and a fixed water supply

Vacuklav® 31 B+
Stand-alone steam sterilizer with a 35 cm chamber depth

Vacuklav® 23 B+
Stand-alone steam sterilizer with a 45 cm chamber depth

Vacuklav® 24 B+
Steam sterilizer with a 45 cm chamber depth and a fixed water supply

Vacuklav® 24 BL+
Steam sterilizer with a 60 cm chamber depth and a fixed water supply

The Pro-Class product highlights

These advantages are unique.

Gain more time for your patients: All our research and development efforts are focused on providing an efficient and safe workflow in instrument decontamination. Take advantage of the time- and cost-saving benefits provided by short sterilization times, the intuitive operating concept and the versatile documentation of our stand-alone and fixed-water supply solutions.



Performance

Short sterilization processes for your practice and clinic: Quick-Program (including pre-vacuum) sterilizes unwrapped instruments **in only 15 minutes***. Larger quantities of wrapped instruments can be reprocessed in only 28 minutes* using the Universal-Program.

MELAG provides a wide range of insert racks to ensure an individual use of the sterilization chamber. The aligned accessories make for the **optimal loading of the steam sterilizers** with up to **7 kg of instruments**.

* without drying



Safety

MELAG steam sterilizers monitor all the relevant **process parameters using a highly precise microprocessor control** to guarantee highest safety standards. The program logs provide legal certainty and are saved via an serial interface.

Our aligned documentation media offer maximum flexibility: Customize the documentation process with MELA*flash* CF-Card Printer, MELA*net* Box, MELA*print*® 44 or the approval software MELA*trace*® to your needs.



Flexibility

The two systems of the Pro-Class fit the requirements of your decontamination room: Choose between steam sterilizers with a fixed water supply or stand-alone units. The integrated water tanks and the patented air-cooling system of Vacuklav® 31 B+ and Vacuklav® 23 B+ make them **completely independent of location and easy to install**.

Pro-Class steam sterilizers with a fixed water supply are equipped with a **high-performance vacuum technology**. The use of a MELAG water treatment unit for automated **water supply and disposal** reduces your workload and thus saves time and money.



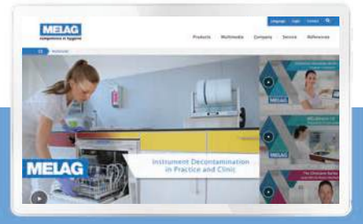
User-friendliness

The easy use of Pro-Class steam sterilizers allows you to concentrate on patient treatment: The **proven MELAG 4-key concept** enhances your workflow and avoids operating errors.

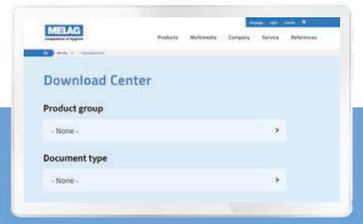
In addition to the intuitive operating concept, our **digital tools take the instrument decontamination process to the next level**. Discover these innovative multimedia solutions on the MELAG website.

Digital tools for smart workflows

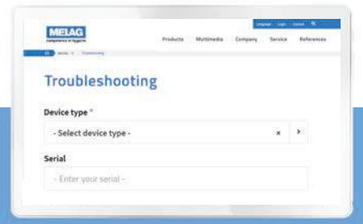
Benefit from the digital tools on our website.



Multimedia
Learn from more than 280 videos about safe instrument decontamination:
www.melag.com/en/multimedia



Download Center
Retrieve MELAG documents from anywhere and at any time:
www.melag.com/en/service/downloadcenter



Troubleshooting
Enter malfunction numbers to access immediate solutions:
www.melag.com/en/service/troubleshooting

The MELAG System Solution

Your one-stop provider for instrument decontamination.

The Pro-Class steam sterilizers are an important element of an efficient instrument decontamination workflow. The perfect alignment of the MELAG System Solution helps you to save time and money whilst providing the best-possible protection for patients and staff.

Benefit from the MELAG System Solution with products from the leading manufacturer in infection control:

Personal:
A central contact partner to answer all your questions

Efficient:
Reducing costs by synchronizing the service

Process-optimized:
Perfect alignment of the workflow and operation

Enhance the quality of instrument decontamination: Combine the MELAG steam sterilizers with MELA*therm*® washer-disinfectors for efficient cleaning and disinfection, MELA*seal*® sealing devices for safe instrument packaging and the user-friendly documentation and approval software MELA*trace*® to ensure an ideal workflow in practice and clinic.

*in conjunction with MELA*trace*®

The instrument decontamination process:



✓ Cleaning and disinfection with **MELA*therm*®**



✓ Packaging with **MELA*seal*®**



✓ Sterilization with the **Pro-Class**



✓ Documentation and approval with **MELA*trace*®**



✓ Labelling with **MELA*print*®60**

Perfection in the finest detail

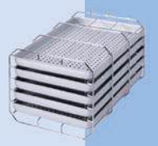
Configure your Pro-Class steam sterilizer.

Use the full potential of the Pro-Class: With the wide range of accessories available for the MELAG Pro-Class, you can tailor the workflow to your requirements, thereby ensuring the best instrument decontamination workflow.



Loading system

Benefit from our loading system to ensure the optimal use of the sterilization chamber.



Mount A Plus
accommodates five trays (for single instruments) or three MELA*store*®-Boxes (for instrument sets)

Trays:
Art. no. 00230 for Vacuklav® 23 / 24 B+
Art. no. 00280 for Vacuklav® 30 / 31 B+

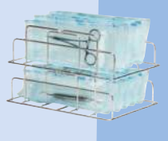


MELA*store*® System:
Art. no. 01181 for MELA*store*®-Tray 100
Art. no. 01191 for MELA*store*®-Box 100



Mount D
can be loaded with two higher sterilization containers of the MELA*store*® System

Art. no. 01182 for MELA*store*®-Tray 200
Art. no. 01192 for MELA*store*®-Box 200



Foil holder
permits the vertical sterilization of wrapped instruments for perfect drying results

Art. no. 22420 for Vacuklav® 23 / 24 B+
Art. no. 22410 for Vacuklav® 30 / 31 B+

Documentation

The Pro-Class steam sterilizers guarantee legally-compliant documentation and approval with modern output media.



MELA*trace*®
for the professional documentation, approval and traceability of the entire decontamination process

Art. no. 21138



MELA*net* Box
transfers all logs to the computer and into the practice network automatically

Art. no. 40296



MELA*flash* CF-Card Printer
saves all logs of the steam sterilizer simply and easily on a CF-Card

Art. no. 01039



MELA*print*® 44
prints the sterilization logs in paper form

Art. no. 01144

Water treatment

MELA*dem*® water treatment units provide high-quality demineralized water to protect both your steam sterilizer and your instruments.



MELA*dem*® 40
is an ion exchanger for practices and clinics sterilizing up to three cycles per day

Art. no. 01049



MELA*dem*® 47
is a high-performance reverse osmosis unit for practices and clinics with larger sterilization requirements

Art. no. 01047



MELA*dem*® 53 / 53 C
is a high-capacity water treatment unit for MELA*therm*® and up to three further devices

Art. no. 01038



MELA*jet*®
facilitates instruments rinsing and flushing with demineralized water*

Art. no. 27300

*Compatible with MELA*dem*® 40 and MELA*dem*® 47

Routine checks

Batch control is required for evaluating the sterilization results. MELAG offers safe test systems for Class B steam sterilizers.



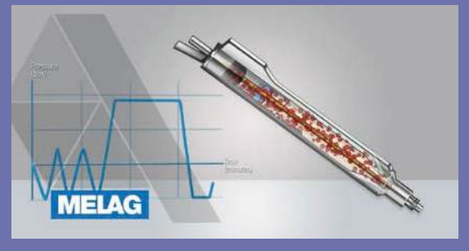
MELA*control*®
is a helix test system with 250 indicator strips permitting reliable sterilization batch control

Art. no. 01080



MELA*control*® PRO
is a re-usable helix test for an even more cost-saving batch control

Art. no. 01075



Find out more about the sterilization process with Class B autoclaves:

www.melag.com/en/multimedia

Technical data

Figures and facts at a glance

Programs		Vacuklav® 31 B+ Vacuklav® 23 B+	Vacuklav® 30 B+ Vacuklav® 24 B+	Vacuklav® 24 BL+	Drying time
Quick-Program S*	134°C, Holding time: 3.5 min	15 min.	15 min.	20 min.	5 min.
Quick-Program B**	134°C, Holding time: 5.5 min	29 min.	28 min.	32 min.	10 min.
Universal-Program	134°C, Holding time: 5.5 min	31 min.	30 min.	35 min.	20 min.
Gentle Program	121°C, Holding time: 20.5 min	45 min.	40 min.	48 min.	20 min.
Prion Program	134°C, Holding time: 20.5 min	45 min.	45 min.	50 min.	20 min.

*For unwrapped instruments only
**Max. load 1.5 kg wrapped or unwrapped

	Vacuklav® 30 B+	Vacuklav® 31 B+	Vacuklav® 23 B+	Vacuklav® 24 B+	Vacuklav® 24 BL+
Device type	Fixed water connection	Stand-alone	Stand-alone	Fixed water connection	Fixed water connection
Chamber size	35 cm long x Ø 25 cm		45 cm long x Ø 25 cm		60 cm long x Ø 25 cm
Chamber volume*	17 litres		23 litres		29 litres
Load quantity	5 kg instruments 2 kg textiles	5 kg instruments 1.8 kg textiles	5 kg instruments 1.8 kg textiles	7 kg instruments 2.5 kg textiles	7 kg instruments 2.5 kg textiles
Device dimensions (W x H x D)	42,5 x 49,5 x 66 cm Device fits on a 50 cm table top	42,5 x 49 x 62 cm	42,5 x 49 x 74 cm Device fits on a 60 cm table top	42,5 x 49,5 x 70,5 cm	42,5 x 49,5 x 83,5 cm Device fits on a 70 cm table top
Weight	45 kg	45 kg	50 kg	48 kg	53 kg
Power supply	230 V / 50/60 Hz		230 V / 50/60 Hz		230 V / 50/60 Hz
Power consumption	2.100 Watts		2.100 Watts		2.100 Watts

*Litre specification rounded

System solutions, innovation and quality

MELAG was founded in 1951 and is an owner-operated family company, that specializes in products aiming at optimized practice hygiene. The manufacturing and production sites are exclusively located in Germany on a 25.000 m² premises with 450 employees working diligently to maintain MELAG´s world leading role in instrument decontamination.



MELAG
competence in hygiene

For further information:
www.melag.com

MELAG Medizintechnik oHG

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