

**MELAG**

competence in hygiene

# Pro and Prime Line

Legends. Reborn. The all-new  
class B and S autoclaves.



**Derma<sup>+</sup>**

info@dermat.be

www.dermat.be



#1

A PROfound leap  
of the world's best  
selling autoclaves

**NEW**

as class S  
autoclave

Quality – made in Germany

# Pro-Class HAS SHAPED AN ERA

Sold Worldwide. Loved Worldwide. Worldwide, we are the only family-run manufacturer of autoclaves that develops and produces exclusively in Germany. With over 300,000 units sold, the Pro-Class has inspired customers for decades with outstanding MELAG quality - made in Germany. The time has come to reinvent the best selling classic.

## Pro Line and Prime Line

# TIME FOR A NEW ERA

Do you already know the Pro-Class autoclaves? Then you will love the new generation of MELAG devices - from their functions to their price! The all-new Pro Line (as class B and S autoclaves) and Prime Line (as class B autoclaves) impress across the line: Astonishing performance, smart functions as well as a modern and extremely sturdy design open up new possibilities. We make no compromises when it comes to reliability and develop under the highest quality requirements at our headquarters in Berlin – since we know, an autoclave should never fail.



- + Quality – made in Germany**  
for maximum reliability in everyday practice
- + Impressive speed**  
in accordance to EN 13060 for time-saving workflows
- + Optimal drying results**  
for protection against re-contamination and corrosion
- + Uncompromising comfort**  
for easy and safe handling
- + Smart documentation concept**  
for complete and legally compliant proof
- + Eco-friendly innovations**  
for massive savings of electricity and water
- NEW** **Ideal for your budget and instruments**  
with class B and class S autoclaves

~~UN~~ AFFORDABLE



Made in  
Germany

### Made in Germany. Made for You.

Future needs heritage: We have been developing, producing and optimizing our system solutions for instrument reprocessing at our headquarters in Berlin for over 70 years. MELAG stands for the art of engineering and production "made in Germany" with the highest levels of quality.



A great deal to love

# Offer more. Need less.

Whether loading, sterilization or documentation - the compact MELAG class B and S autoclaves offer a price-performance ratio that stands up to any comparison. So you not only sterilize more instruments in less time, but also save money. And all this in the MELAG quality you know and appreciate from the proven predecessor models of the Pro-Class.

More  
PERFORMANCE.

**25%** more favorable price  
for an economical use from the first day.\*

**50%** less maintenance work  
due to extended service intervals of 2 years or  
2,000 cycles.\*

**96%** lower water consumption  
thanks to the trend-setting stand-alone concept  
with highly effective air cooling.\*\*

**35%** shorter cycle times  
enable an efficient hygiene workflow and thus more  
time for what really matters: Your patients.\*

**15%** more loading  
on up to 5 trays gives you the flexibility you need in  
your daily practice: Now and in the future.\*

**100%** more intuitive operation  
with Smart-Touch Display, LED status and  
documentation via USB stick, the user experience is  
taken to the next level.

Less  
COST.



## We love infection control. And the environment.

The Pro and Prime Line combine environmental protection with economic efficiency. Thanks to the groundbreaking stand-alone concept, Power Save energy-saving function and DRYtelligence drying (included in the Prime Line), our autoclaves are the best solution - for your budget and the environment.



**Quick Fact:** Do you need an autoclave for sterilizing even larger loads in record time?

Then take advantage of our Premium-Class Evolution with worldwide unique product highlights.



\* Compared to the predecessor models of the Pro-Class.  
\*\* Compared to the predecessor models of the Pro-Class with fixed water connection.

2 sizes. 6 models. Endless possibilities.

# As versatile as you are.

In order to meet individual needs, the all-new MELAG autoclaves are available in 17 or 23 litre sizes and with different scopes of features.

ProLine (Class B or S autoclaves) NEW

## Vacuclave 118 / 118 S & Vacuclave 123 / 123 S

Our entry-level models: The Pro Line class B or S autoclaves offers everything you need for a safe, convenient and resource-saving sterilization.



### Powerful class B or S vacuum procedure

Reliable sterilization of up to 6 kg on 5 trays in only 15 to 28 minutes (plus drying) - made in Germany.



### Smart-Touch Display with LED status

Touchscreen with intuitive user interface for simple operation like your smartphone - even with medical gloves.



### Connectivity and data logging

Compliance with legal requirements by saving the sterilization parameters via USB or network or log printout via MELAprint 80.



### Stand-alone device concept

Integrated water tanks and highly effective air cooling for site-independent operation without cooling water.



### Power Save energy saving mode

Heater and display go into standby mode between sterilizations for top energy efficiency.



### EasyCare routine concept

User-friendly optimizations for efficient filter replacement, tank cleaning and water supply.

# Love the quality. Love the price.

PrimeLine (Class B autoclaves)

## Vacuclave 318 & Vacuclave 323

Our price-performance champions: In addition to the presented product highlights, the Prime Line class B autoclaves impress with high loading capacities, excellent drying results and extended batch approval functions.



### Heavy Duty-B program

Stay all around flexible: The Prime Line offers an outstanding capacity for up to 8 kg load.



### DRYtelligence drying

The algorithm-controlled drying ensures optimum results and a reduction in drying time of up to 80%.



### ProControl batch approval

ProControl enables batch approval and user authentication directly on the display without extra software solutions.



### Barcode label printing

MELAprint 80 can be deployed to print barcode labels for marking and complete traceability of instruments.



### Save even more:

The Pro Line class S autoclaves offer an even more affordable alternative for practices and clinics that do not require a class B autoclave due to the instruments used. Vacuclave 118 S and Vacuclave 123 S even sterilize packaged instruments with simple hollow bodies (e.g. hinged instruments such as scissors and needle holders).



For your safety: Everything from one source.

# The MELAG System Solution.

Every practice and clinic is unique. With individual system solutions, we are by your side. Our washer-disinfectors, sealing devices, autoclaves and software solutions turn your dreams of optimized workflows into reality. The perfect interplay of MELAG System Solutions allows you to achieve greater time, space and cost-savings in instrument reprocessing.



### Personal:

One central contact to answer all your instrument reprocessing questions



### Efficiency:

Cost optimization by synchronizing the service of all devices in your decontamination room



### Process-optimized:

Coordinated operating concept to avoid malfunctions in everyday practice



Unique as a product, unbeatable in a system:



✓ Cleaning & disinfection with MELAttherm



✓ Packaging with MELAseal or MELAstore



✓ Steam sterilization with Vacuclave



✓ Documentation & approval with MELAttrace



✓ Marking with MELAprint 80

Find the right accessories for you. And your Vacuclave.

# Expand what's possible.

A variety of accessories enables you to assemble the configuration which best suits your needs. Vacuclave thus ensures maximum safety and efficiency - ideally matched to your individual instrument reprocessing workflow.



Impressing across the line:  
Discover the promising advantages  
of our new Pro and Prime Line

[www.melag.com](http://www.melag.com)

## 1. Select your loading configuration:

For optimal use of the sterilization chamber, we offer coordinated loading systems.



### Mount A Plus

for accommodating five trays for individual instruments or three MELAstore Boxes 100 for instrument sets.



**Mounts:**  
Order no. ME82630 for 45 cm deep chamber  
Order no. ME82620 for 35 cm deep chamber

**Trays:**  
Order no. ME00230 for 45 cm deep chamber  
Order no. ME00280 for 35 cm deep chamber



### Foil holder

enables the vertical sterilization of wrapped instruments for optimal drying results.

Order no. ME22420 for 45 cm deep chamber  
Order no. ME22410 for 35 cm deep chamber



### Chamber Protect

for careful cleaning of the stainless steel surfaces. The chamber cleaning set contains a powerful cleaner, 50 lint-free cloths and 1 microfiber cloth.

Order no. ME01081

## 2. Select your water treatment:

MELAdem supplies high-quality demineralized water for optimum value retention of the autoclave and instruments.



### MELAdem 40

is a compact ion exchanger system for practices and clinics with up to three sterilization cycles per day.

Order no. ME01049



### MELAdem 47

is a high performance reverse osmosis system for practices and clinics with an increased sterilization demand.

Order no. ME01047



### MELAdem 53 / 53 C

is a water treatment unit with very high capacity for MELAtherm and up to three other devices.

Order no. for MELAdem 53: ME01038  
Order no. for MELAdem 53 C: ME01036



### MELAJet

enables the instruments to be sprayed with demineralized water.\*

Order no. ME27300

\*Compatible with MELAdem 40 and MELAdem 53

## 3. Select further accessories for documentation:

The Pro and Prime Line offers legally compliant documentation and approval with integrated USB and network interfaces.



### MELAttrace

ensures professional documentation, approval and traceability of the entire decontamination process.

Download MELAttrace now for free with 90-day trial license from [www.melag.com](http://www.melag.com)



### MELAprint 80

prints barcode labels for optimal labeling and traceability with MELAttrace and the Prime Line or log files with the Pro and Prime Line.

Order no. ME01108



### MELAcontrol Type 5

is used to check the sterilization conditions (steam, temperature and time) and can be added to wrapped instruments as well as placed directly in the chamber.

Order no. ME01077



### MELAcontrol Helix

provides reliable control of the sterilization result of class B programs as a helix test system with 250 indicator strips.

Order no. ME01080

## Facts and figures at a glance

# Technical specifications

The Pro and Prime Line guarantee fast sterilization tailored to your needs with a wide range of programs:

| <b>NEW</b>         | <b>Programs of Pro Line<br/>(Class S autoclaves)</b> | <b>Vacuclave 118 S<br/>operating times<br/>(at minimum to maximum load)*</b> | <b>Vacuclave 123 S<br/>operating times<br/>(at minimum to maximum load)*</b> | <b>Drying<br/>(time controlled)</b> |
|--------------------|--|--|--|-------------------------------------|
| <b>Universal S</b> | 134 °C, holding time: 5.5 min                        | 18 – 23 min  | 20 – 25 min  | 25 min                              |
| <b>Quick S</b>     | 134 °C, holding time: 3.5 min                        | 13 – 19 min  | 16 – 20 min  | 5 min                               |
| <b>Gentle S</b>    | 121 °C, holding time: 20.5 min                       | 33 – 37 min  | 36 – 38 min  | 25 min                              |
| <b>Prion S</b>     | 134 °C, holding time: 20.5 min                       | 33 – 38 min  | 35 – 40 min  | 25 min                              |

|                    | <b>Programs of Pro Line<br/>(Class B autoclaves)</b> | <b>Vacuclave 118 operating times<br/>(at minimum to maximum load) *</b> | <b>Vacuclave 123 operating times<br/>(at minimum to maximum load) *</b> | <b>Drying<br/>(time controlled)</b> |
|--------------------|--|---|---|-------------------------------------|
| <b>Universal B</b> | 134 °C, holding time: 5.5 min                        | 22 – 27 min   | 24 – 31 min   | 20 min                              |
| <b>Quick S</b>     | 134 °C, holding time: 3.5 min                        | 15 – 18 min   | 16 – 20 min   | 5 min                               |
| <b>Quick B</b>     | 134 °C, holding time: 5.5 min                        | 22 – 25 min   | 24 – 27 min   | 10 min                              |
| <b>Gentle B</b>    | 121 °C, holding time: 20.5 min                       | 37 – 42 min   | 39 – 47 min   | 20 min                              |
| <b>Prion B</b>     | 134 °C, holding time: 20.5 min                       | 37 – 42 min   | 37 – 48 min   | 20 min                              |

|                     | <b>Programs of Prime Line<br/>(Class B autoclaves)</b> | <b>Vacuclave 318 operating times<br/>(at minimum to maximum load) *</b> | <b>Vacuclave 323 operating times<br/>(at minimum to maximum load) *</b> | <b>Drying</b>          |                        |
|---------------------|--|---|---|------------------------|------------------------|
|                     |  |   |   | <b>DRYtelligence**</b> | <b>time controlled</b> |
| <b>Universal B</b>  | 134 °C, holding time: 5.5 min                          | 22 – 27 min   | 24 – 31 min   | > 5 min                | 20 min                 |
| <b>Quick S</b>      | 134 °C, holding time: 3.5 min                          | 15 – 18 min   | 16 – 20 min   | > 5 min                | 5 min                  |
| <b>Quick B</b>      | 134 °C, holding time: 5.5 min                          | 22 – 25 min   | 24 – 27 min   | > 5 min                | 10 min                 |
| <b>Gentle B</b>     | 121 °C, holding time: 20.5 min                         | 37 – 42 min   | 39 – 47 min   | > 5 min                | 20 min                 |
| <b>Prion B</b>      | 134 °C, holding time: 20.5 min                         | 37 – 42 min   | 37 – 48 min   | > 5 min                | 20 min                 |
| <b>Heavy Duty B</b> | 134 °C, holding time: 5.5 min                          | 22 – 32 min   | 24 – 35 min   | > 5 min                | 30 min                 |

\* Specifications for the Quick-S program for unpacked loads and for all other programs for single-packed loads. Times may vary depending on the type and quantity of load.

\*\* DRYtelligence automatically adjusts the drying process to your load. The intelligent drying process thus achieves optimum drying results at all times

The Pro and Prime Line can be installed quickly and easily as table top autoclaves in any reprocessing room.

Get an overview of the technical data:

|                                      | <b>Pro Line</b>   |                                       |                                       |                                       | <b>Prime Line</b>                       |                                       |
|--------------------------------------|---|---------------------------------------|---------------------------------------|---------------------------------------|---|---------------------------------------|
|                                      | <b>Vacuclave 118</b>  | <b>Vacuclave 118 S</b>                | <b>Vacuclave 123</b>                  | <b>Vacuclave 123 S</b>                | <b>Vacuclave 318</b>                    | <b>Vacuclave 323</b>                  |
| <b>Order no.</b>                     | ME10118   | ME10118S                              | ME10123                               | ME10123S                              | ME10318                                 | ME10323                               |
| <b>Device type</b>                   | Stand-alone autoclave (Compatible with additional water treatment unit) |                                       |                                       |                                       |   |                                       |
| <b>Autoclave class</b>               | Class B   | Class S                               | Class B                               | Class S                               | Class B                                 | Class B                               |
| <b>Chamber size</b>                  | ø 25 cm x 35 cm long  | ø 25 cm x 35 cm long                  | ø 25 cm x 45 cm long                  | ø 25 cm x 45 cm long                  | ø 25 cm x 35 cm long                    | ø 25 cm x 45 cm long                  |
| <b>Chamber volume</b>                | 17 litres   | 17 litres                             | 23 litres                             | 23 litres                             | 17 litres                               | 23 litres                             |
| <b>Load quantity</b>                 | max. 5 kg instruments / 1.8 kg textiles                                 | max. 4 kg instruments / 1 kg textiles | max. 6 kg instruments / 2 kg textiles | max. 5 kg instruments / 1 kg textiles | max. 7 kg instruments / 1.8 kg textiles | max. 8 kg instruments / 2 kg textiles |
| <b>Device dimensions (W x H x D)</b> | 47 x 50 x 64 cm (device fits on a 60 cm table top)                      |                                       |                                       |                                       |   |                                       |
| <b>Weight</b>                        | 48 kg   | 46 kg                                 | 49 kg                                 | 47 kg                                 | 49 kg                                   | 49 kg                                 |
| <b>Power supply</b>                  | 220 – 230 V / 50 – 60 Hz  |                                       |                                       |                                       |   |                                       |
| <b>Power consumption</b>             | 2,100 Watts   |                                       |                                       |                                       |   |                                       |
| <b>Documentation interfaces</b>      | USB, network  |                                       |                                       |                                       |   |                                       |

Rev.1-23/3673-01-23-EN-ME



**Save paper, protect the environment:**

In order to reduce paper, we provide you with electronic user documentation via our Download Center. Further information at: [www.melag.com](http://www.melag.com)

**MELAG**  
competence in hygiene