



CONTENT GUIDELINES

FOR MELAG CONTENT IN DIGITAL AND PRINT

The MELAG Hygiene World



Steam Sterilizers



Washer Disinfector



Sealing Devices



Water Treatment



Documentation



Packaging



Disinfectants

Dear Ladies and Gentlemen,

The MELAG Content Guidelines will help you to create content for your website or print media efficiently and comfortably. The guidelines contain the points below:

- 1. Product description:** The product description consist of a continuous text and a list of the most important product advantages. The proposed texts can be used both in print and on your website. The subsequent HTML code allows you to embed a link to the product page on www.melag.com.
- 2. Product details:** In addition to the product description, technical details (electrical connection, device dimension etc.) should be reflected on your product pages. If possible, please display the product details in list form.
- 3. Product photos:** Every product should be displayed with at least three photos. In order to achieve a consistent brand perception, we ask you to use the frontal product photo as main image. The photos optimized for your website are available in square and rectangular format. You can download the photo files from the following FTP server: ftp://Content_Guidelines:Content_Guidelines@ftp.melag.info/English/
Moreover, you can also download all product photos in high resolution by clicking on the following link: ftp://MELAG_photos:MELAG_photos@ftp.melag.info/MELAG_photos
- 4. Download files:** In order to offer website visitors an even more comprehensive information base, we provide you with additional files (user manuals, brochures, installation checklists etc.) on the mentioned FTP server above.
- 5. Product videos:** More than 250 videos about instrument decontamination are available on the MELAG YouTube channel: <https://www.youtube.com/channel/UCm3er2LyByOAioiOA3zcwJg>. Please embed the tutorials, webinars, product and reference videos on your website.

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1 Cleaning and Disinfection

1.1 MELAtherm 10



Product Description:

MELAG MELAtherm 10 (inc. CF card)

High-performance washer-disinfector with active drying

The innovative concept of the MELAtherm 10 washer-disinfector guarantees the fast, safe and cost-efficient cleaning and disinfection of instruments. The practice-optimized treatment chamber makes for short operating times, low consumption and brings an optimal cleaning outcome. A wide range of over 80 baskets and accessories is available to ensure optimal adaptation to your practice needs. The MELAG basis basket with injector rail used in conjunction with specialized adapters even permits the reliable reprocessing of hollow body instruments, such as turbines or endoscopes.

Discover the highlights of the MELAtherm 10 washer-disinfector – all features provided at no extra cost:

- **Active drying:** active exterior and interior drying prevents recontamination, corrosion and damage to the instruments.
- **Integrated process agents and metering module:** integration of the process agents and the dosing unit saves space, facilitates the decontamination processes and helps to avoid errors.
- **Integrated documentation:** the log files are saved securely via the integrated CF card slot or the two network interfaces.
- **Practice-optimized treatment chamber:** the optimized chamber concept used in combination with an individual loading configuration ensures both cost- and time-efficient reprocessing procedures.

The full integration of all the relevant components makes it easy to install the MELAG washer-disinfector under the worktop.

The MELAtherm 10 is available in two versions:

- MELAtherm 10 DTA (400 V three phase current): order no. 10020
- MELAtherm 10 DTB (230 V alternating current): order no. 10021

The optional water treatment unit MELAdem 53 supplies MELAtherm 10 with demineralized water. The demineralized water ensures even better cleaning results and instrument protection.

Take the decontamination process to a whole new level with MELAtherm 10. Using the MELAstore-System guarantees safe and cost-efficient instrument reprocessing. The wash-trays (MELAstore-Tray) and the sterilization containers (MELAstore-Box) represent the perfect combination for safe treatment and even greater time savings throughout the entire decontamination process.

HTML-Code:

```
<a href="https://www.melag.com/en/products/washer-disinfector/melatherm" target="_blank"> Learn more on melag.com </a>
```

Keywords for web texts:

MELAtherm 10, innovative washer disinfector, space saving concept, practice optimized treatment chamber, more than 80 kinds of baskets and accessories, active drying, Integrated process agents and metering module, MEtherm process agents, integrated documentation, CF Card Slot, two network interfaces, three phase current (400 Volt), alternating current (230 Volt), water treatment unit MELAdem 53, demineralized water, process optimization with MELAstore, best cleaning results with minimal consumption, worldwide leading in the field of instrument decontamination, quality made in Germany

Product details // technical data:

Device dimension (W x H x D)	59,8 x 81,8 x 67,8 cm (fits below a 60 cm worktop)
Washing chamber (W x H x D)	46,5 x 40,5 x 44,8 cm
Electrical Connection (DTA)	3 N AC 400 V, 50 Hz, 3 x 16 A
Electrical Connection (DTB)	AC 220 - 240 V, 50 Hz, 1 x 16 A
Power input (DTA)	9,3 kW
Power input (DTB)	3,3 kW

Downloads:

- Brochure MELAtherm 10
- User manual MELAtherm 10

Video:

- Product video MELAtherm 10:
<https://www.youtube.com/watch?v=rfHe7wYR3nQ&list=PLhs76F2Ef2Eq8kMLfHYEGwX4sEsEfvaB>

- Tutorial videos MELAtherm 10:
<https://www.youtube.com/watch?v=JVa-dbnT2hk&list=PLhs76F2Ef2EqSEOe9JVLCrI5OmWoNtN1g&index=2>

2 Wrapping

2.1 MELAseal Pro



Product Description:

MELAG MELAseal Pro

Validatable rotary sealer in compliance with EN ISO 11607-2

The innovative rotary sealing device MELAseal Pro is especially useful for practices and clinics needing to wrap large quantities of instruments in a short period of time. The sealing device is ready to use after a pre-heating phase of only two minutes, after which pouches (e.g. MELAfol sterilization packages) can be sealed continuously. The integrated electronics and the documentation interface of MELAseal Pro ensure automatic monitoring of the relevant sealing parameters. The log files documenting the sealing procedures can be outputted and saved easily using the MELAflash CF card printer, MELAprint 42 protocol printer or the software MELAtrace.

The following features make the MELAseal Pro sealing device unique:

- **Short pre-heating and sealing times** make for fast sealing processes
- **Legally compliant and validatable** in accordance with international hygiene standards
- **Monitoring of the sealing parameters** (pressure, time and temperature)
- **Integrated serial interface** for batch documentation and network connection
- **Intuitive operation** through the soft key concept and LCD display
- **Energy saving mode** for highest efficiency in the packaging process

The optionally available “comfort” and “standard” working tables enhance comfortability and facilitate daily operation.

HTML:

` Learn more on melag.com `

Keywords for web texts:

MELA*seal* Pro, high performance rotary sealing device, MELA*fol*, continuously, short pre-heating time, fast sealing times, legal and validatable in compliance with EN ISO 11607 – 2, Integrated RS 232 – documentation interface, MELA*flash* CF-Card-Printer, documentation software MELA*trace*, intuitive operation, soft key concept, energy saving mode, work benches “comfort” and “standard”

Product details // Technical Data:

Device Dimension (w x d x h)	460 x 295 x 155 mm
Weight	11,4 kg
Interfaces	1x RS 232 (serial)
Seal seam width	14 mm
Transport speed	8 m/min
Seal seam adjustable	10 – 35 mm
Temperature range	100 – 199 °C
Pre-heating time	ca. 120 seconds
Electrical Connection	230 V / 50/60 Hz
Max. power consumption	365 Watt

Downloads:

- Brochure MELA*seal* Pro
- User manual MELA*seal* Pro

Video:

- Product video MELA*seal* Pro:
<https://www.youtube.com/watch?v=UMDLPutHdZk>

2.2 MELAseal 200



Product Description:

MELAG MELAseal 200 (inc. MELAG USB flash drive)

Compact sealing device in compliance with EN ISO 11607-2

The innovative MELAseal 200 sealing device combines reliable technology and easy operation with compact dimensions. Above all, this bar sealer is validatable and ready to use only 90 seconds after activation! MELAseal 200 ensures the non-stop sealing of sterilization packages (e.g. MELAfol) in only three seconds per sealing procedure. All the sealing parameters are monitored by the integrated electronics. Equipped with two USB interfaces for maximum safety, the sealing device can save the log files on MELAG USB flash drive or a practice computer and network (MELAtrace software required).

Discover the unique advantages of the sealing device MELAseal 200:

- **Short pre-heating and sealing times** ensure a fast sealing process
- **Legally compliant and validatable** in accordance with international hygiene standards
- **Compact device dimensions** take up the minimum amount of space on your worktop
- **LCD-Display and MELAG four-key-concept** make for easy and intuitive operation
- **Two USB Interfaces** to output the log-files easily
- **Monitoring and documentation of the sealing parameters** (pressure, time and temperature)
- **Power saving mode and seal check function** guarantee best-possible efficiency

Four different reel dispensers are available for the setup conditions in the decontamination room of your practice or clinic. The reel dispenser “standard” places the rolls on the rear of the sealing device. The reel dispensers “comfort”, Deluxe and our wall-mounted reel dispenser hang the MELAfol rolls above the sealing device, thereby saving space. The reel dispenser Deluxe is fitted with a hand wheel to ensure easy and ergonomic feeding of the MELAfol rolls.

HTML-Code :

 Learn more on melag.com

Keywords:

MELA*seal* 200, validatable bar sealing device, MELA*fo*l, sealing without interruption, short pre-heating time, fast sealing times, in compliance with EN ISO 11607 – 2, compact dimensions, intuitive operation, two USB-Interfaces, USB-Stick included in delivery, power saving mode, Seal Check function, different versions of reel dispensers, quality made in Germany

Product details // Technical Data:

Device dimension (w x d x h)	415 x 240 x 150 mm
Weight	5,4 kg
Documentation interfaces	1x USB-Stick, 1x USB computer interface
Seal seam width	10 mm
Seal seam length	275 mm
Sealing time	ca. 3 seconds
Temperature range	100 – 210 °C
Pre-Heating time	ca. 90 seconds
Electrical Connection	230 V / 50/60 Hz
Max. power consumption	300 Watt

Downloads:

- Brochure MELA*seal* 200
- User manual MELA*seal* 200

Video:

- Product video MELA*seal* 200:
<https://www.youtube.com/watch?v=TzL9X4qgtXU&list=PLhs76F2Ef2Eo41zUcHCpQpYIf3aoC-FhM&index=3>
- Tutorial videos MELA*seal* 200:
<https://www.youtube.com/watch?v=qzO3ULhIbGI&list=PLhs76F2Ef2Epgv7bmwkcZOKdUXz3InFG>

2.3 MELAseal 100+



Product description:

MELAG MELAseal 100+

Compact and reliable sealing device for practice and clinic

MELAseal 100+ is a compact bar sealing device combining high performance and reliability with easy operation. After a short pre-heating phase of 2 minutes, sterilization pouches (e.g. MELAfol) can be sealed without pause. The integrated electronics monitor the sealing time and the sealing temperature of every sealing procedure. The operating state of MELAseal 100+ is indicated by an optical and acoustic signal.

Discover the unique product highlights of the MELAG sealing device MELAseal 100+:

- **Short pre-heating and sealing times** guarantee fast sealing procedures
- **Compact dimensions** take up the minimum amount of space on worktop
- **Acoustic and optical monitoring** of the sealing time and temperature
- **Easy operation:** the lever can be fitted on the left or right hand side of the sealing device
- **Save time and money:** no need for maintenance services

Select an additional reel dispenser that best suits your practice conditions: the reel dispenser “standard” locates the rolls on the rear of the sealing device. The reel dispensers “comfort”, Deluxe and the wall mounted reel dispenser hang the MELAfol rolls above the sealing device, thereby saving space. The reel dispenser Deluxe is also fitted with a hand wheel to ensure easy and ergonomic feeding of the MELAfol rolls.

HTML-Code:

<https://www.melag.com/en/products/sealing-devices/melaseal-100> Learn more on melag.com

Keywords for web texts:

MELAseal 100, compact bar sealing device, MELAfol, without pause, short pre-heating time, fast sealing time, monitoring of sealing time and temperature, no additional maintenance fees, different kinds of reel dispensers, easy operation, compact dimensions, quality made in Germany

Product details // Technical Data:

Dimension (w x d x h)	415 x 240 x 150 mm
Weight	5,4 kg
Seal seam width	10 mm
Pre-Heating time	120 seconds
Electrical Connection	230 V / 50/60 Hz
Max. power consumption	300 Watt

Downloads:

- Brochure MELAseal 100+
- User manual MELAseal 100+

Video:

Product video MELAseal 100+: <https://www.youtube.com/watch?v=g-JB5LyLb2c&index=4&list=PLhs76F2Ef2Eo41zUcHCpQpYlf3aoC-FhM>

2.4 MELAstore-Tray



Product description:

MELAG MELAstore Tray

Deployed as elements of the aligned MELAstore system, our MELAstore Trays and MELAstore Boxes save both time and money. MELAstore ensures an optimized instrument decontamination workflow from patient treatment to instrument storage.

The high-quality MELAstore Tray stainless steel wash trays are perfectly aligned to the MELAtherm 10 washer-disinfector. Their wide opened mesh ensure the best cleaning outcomes.

Discover the advantages of our MELAstore wash tray system:

- **Time efficiency** in instrument loading and unloading
- **Increased quality** through standardization and documentation
- **Safe fixation** of instruments using adjustable silicone bars
- **Prevent personal injury and instrument damage**
- **Optimized for the washer-disinfector MELAtherm 10:** decontaminate up to 24 MELAstore-Trays 50 or up to 12 MELAstore-Trays 100 per batch

The MELAstore-Trays are available in three sizes:

- MELAstore-Tray 50: 11.8 x 18.0 x 3.0 cm (w x d x h) order-no. 01180
- MELAstore-Tray 100: 17.6 x 27.5 x 3.0 cm (w x d x h) order-no. 01181
- MELAstore-Tray 200: 17.6 x 27.5 x 4.3 cm (w x d x h) order-no. 01182

HTML:

<https://www.melag.com/en/products/packaging/melastore> Learn more on melag.com

Keywords for web texts:

MELAstore, MELAG system, MELAstore Tray, optimized work flow, time saving, cost saving, high quality stainless steel, labels, complete documentation, increased quality due to standardization, prevent staff injury, prevent instrument damage, adjustable silicone bar, MELAstore-Tray 50, MELAstore-Tray 100, MELAstore-Tray 200

Download:

- Brochure MELAstore

Video:

- MELAstore vs. Single instruments:
<https://www.youtube.com/watch?v=MT23dcrZdPY>

2.5 MELAstore-Box



Product description:

MELAG MELAstore-Box

The MELAstore system ensures the most efficient workflow – from patient treatment over instrument reprocessing to instrument storage. After cleaning and disinfection, the MELAstore-Trays with instrument sets are inserted in the aligned MELAstore-Box - the packaging process is then completed.

The filter integrated in the lid of the sterilization container ensures long-term protection against instrument recontamination after sterilization. Choose between a disposable paper filter and a permanent filter.

MELAG provides additional identification plates, which can also attach labels (with or without barcodes) to the MELAstore-Boxes to enhance instrument traceability.

Benefit from the unique advantages of the MELAG sterilization containers:

- **Time savings** in loading and unloading the instruments
- **Reduced practice waste** compared to packaged instruments in sterilization pouches
- **Safe storage** of sterilized instruments
- **Improved quality** through standardization and documentation
- **Optimized** for MELAG autoclaves: sterilize up to four MELAstore-Boxes 100 per batch

The MELAstore-Boxes are available in two sizes:

- MELAstore-Box 100: 19.0 x 31.2 x 4.6 cm (w x d x h) order-no. 01191
- MELAstore-Box 200: 19.0 x 31.2 x 6.5 cm (w x d x h) order-no. 01192

HTML:

[Learn more on melag.com](https://www.melag.com/en/products/packaging/melastore)

Keywords for web texts:

MELAstore, compatible MELAG system, MELAstore-Box, optimized work flow, time saving, cost saving, single-use filter, permanent filter, labels, less packaging, safe storage, increase in quality due to standardization, MELAstore-Box 100, MELAstore-Box 200

Downloads:

- Brochure MELAstore

Video:

- MELAstore vs. Single Instruments:
<https://www.youtube.com/watch?v=MT23dcrZdPY>

3 Sterilization

3.1 Vacuklav 40 B+ Evolution



Product description:

MELAG Vacuklav 40 B+ Evolution (inc. mount for trays)

The Premium Class B autoclave with DRYtelligence® Technology

Decades of experience in developing intelligent, energy-efficient steam sterilizers combined with the pioneering work of the best MELAG engineers has resulted in the development of a new generation of practice autoclaves: the Premium-Class Evolution!

The autoclave Vacuklav 40 B+ Evolution impresses with its high loading capacities, an intuitive operating concept and record operating times. The B-Class cycle with a fractionated pre-vacuum ensures safe sterilization of even complex hollow body instruments, such as hand pieces or endoscopes.

The fixed water connection of the MELAG steam sterilizer makes for effective cooling of the high-performance vacuum system. The DRYtelligence® Technology and Sleep-Mode button of the new Vacuklav 40 B+ Evolution ensure both energy and time efficiency as well as user-friendliness in practice and clinic use.

All the product highlights of the B-Class steam sterilizer Vacuklav 40 B+ Evolution at a glance:

- **Record operating times through the patented double-jacket technology:** wrapped instruments can be sterilized in the Quick-Program in only 20 minutes; unwrapped instruments are sterilized in only 10 minutes (inc. fractionated pre-vacuum and drying)
- **High loading capacity of 9 kg:** the autoclave can now accommodate 8 trays so as to make the most efficient use of the sterilization chamber
- **Integrated documentation:** no additional costs for documentation thanks to the integrated CF card slot and two network interfaces
- **XXL colour-touch display:** documentation, approval and traceability of the sterilization cycle and an intuitive operating interface - easy to use and legally compliant
- **DRYtelligence®:** the new MELAG intelligent drying technology guarantees the best drying results and up to 80 % shorter drying times

- **Innovative media board:** the new design of the media board makes for quick access to the most important components of the steam sterilizer

Vacuklav 40 B+ Evolution is connected to a water treatment unit to ensure automatic supply of the autoclave with demineralized water. You can produce high-quality demineralized water using either the MELAdem 40 compact water treatment system, the economical and environmentally-friendly MELAdem 47 or the high-performance MELAdem 53.

Take your instrument decontamination process to the next level with our wide range of accessories. Print barcode-labels using the MELAG MELAprint 60 to trace the instruments and other loading elements. The MELAstore-System optimizes the entire instrument decontamination workflow. Using the MELAG MELAstore-Boxes in conjunction with MELAstore-Trays ensures maximum safety and time-efficiency in a practice and clinic setting.

HTML:

` Learn more on melag.com `

Keywords for Web-Texts:

New generation of sterilization, world leading quality in the field of instrument decontamination, Vacuklav 40 B+ Evolution, fixed water connection, effective cooling of the high-performance vacuum system, record operating times, patented Double-Jacket technology, DRYtelligence® - new intelligent drying, shorter drying times up to 80%, intuitive operating concept, Innovative Media Board, maximum loading capacity 9kg, high-quality components ensure longevity, Sleep-Mode Button, energy efficiency, user-friendliness, integrated documentation, CF-Card-Slot, two network interfaces, XXL color-touch Display, integrated software for instrument approval, Label-Printer MELAprint 60, MELAstore-Systems, MELAdem 40, MELAdem 47, MELAtrace, Quality made in Germany

Product Details // Technical Data:

Device dimension (w x h x d)	46 x 50 x 55 cm (Height incl. Display 56 cm)
Min. Surface Space	Device feet fit on 50 cm tabletop
Chamber Size	Ø 25 cm x 35 cm long
Chamber Volume	18 liters
Load Quantity	Max. 9 kg instruments / 2 kg textiles
Weight	55 kg
Power Supply	220 – 240 V, 50 - 60 Hz

Downloads:

- Brochure Evolution-Series
- User Manual 40 B+ Evolution and 44 B+ Evolution

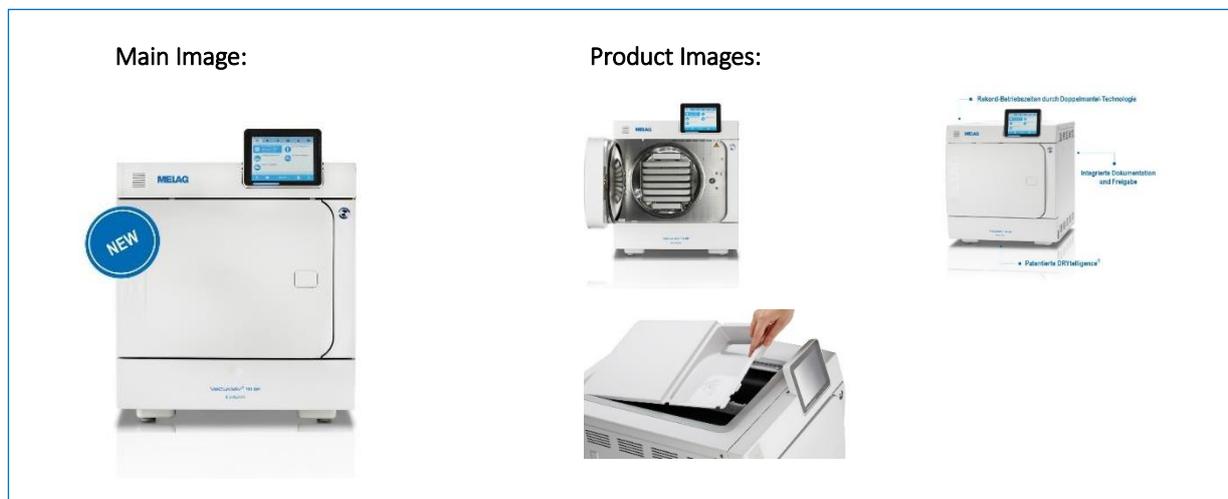
Video:

- Product Video Vacuklav 40 B+ and 44 B+ Evolution



<https://www.youtube.com/watch?v=A7obsdMCAeU&list=PLhs76F2Ef2EoVDjZ7ysrT321629kelD66&index=1>

3.2 Vacuklav 41 B+ Evolution



Product description:

MELAG Vacuklav 41 B+ Evolution (inc. mount for trays)

The Premium B-Class steam Sterilizer with DRYtelligence® Technology

Decades of experience in developing intelligent, energy-efficient steam sterilizers combined with the pioneering work of the best MELAG engineers has resulted in the development of a new generation of practice autoclaves: the Premium-Class Evolution!

The autoclave Vacuklav 41 B+ Evolution impresses with its high loading capacities, an intuitive operating concept and record operating times. The B-Class cycle with a fractionated pre-vacuum ensures safe sterilization of even complex hollow body instruments, such as hand pieces or endoscopes.

The innovative cooling system of the stand-alone steam sterilizer ensures the highest degree of flexibility in practice and clinic use, obviating the need for a water connection. Moreover, the optimized tank system and the new media board with which the Vacuklav 41 B+ Evolution is equipped facilitate the supply of the autoclave with demineralized water.

The DRYtelligence® Technology and the Sleep-Mode button of our Vacuklav 41 B+ Evolution ensure energy and time efficiency as well as exceptional user-friendliness.

All the product highlights of the B-Class steam sterilizer Vacuklav 41 B+ Evolution at a glance:

- **Record operating times thanks to the patented double-jacket technology:** sterilization of wrapped instruments in the Quick-Program takes only 20 minutes; unwrapped instruments are sterilized in only 10 minutes (inc. fractionated pre-vacuum and drying)
- **High loading capacity of 9 kg:** the autoclave is now equipped with 8 trays to ensure efficient use of the interior space
- **Integrated documentation:** no additional costs for documentation thanks to the integrated CF card slot and two network interfaces

- **XXL colour-touch display:** the intuitive operating interface makes for easy and legally-compliant documentation, approval and traceability
- **DRYtelligence®:** the new intelligent drying technology guarantees the best drying results and up to 80% shorter drying times
- **Innovative media board:** the new designed media board gives the practice team quick access to the most important components

Bring your instrument decontamination process to the next level with our wide range of accessories: print barcode-labels using MELAprint 60 to trace the instruments and other loading elements. The MELAstore System optimizes the process of instrument decontamination. MELAstore-Boxes and MELAstore-Trays reduce practice waste and increase the quality of the overall reprocessing through standardization and documentation.

HTML-Code:

```
<a href=" https://www.melag.com/en/products/steam-sterilizers/premium-class/vacuklav-41-b"> Learn more on melag.com </a>
```

Keywords for Web-Texts:

New generation of sterilization, world leading quality in the field of instrument decontamination, Vacuklav 41 B+ Evolution, stand-alone autoclave, effective cooling of the high-performance vacuum system, record operating times, patented Double-Jacket technology, DRYtelligence® - new intelligent drying, up to 80% shorter drying times, intuitive operating concept, Innovative Media Board, optimized tank concept, maximum loading capacity of up to 9kg, high-quality components ensure longevity, Sleep-Mode Button, energy efficiency, user-friendliness, integrated documentation, CF Card Slot, two network interfaces, XXL color-touch Display, integrated software for batch approval, Label-Printer MELAprint 60, MELAstore-Systems, MELAtrace

Product Details // Technical Data:

Dimensions (w x h x d)	46 x 50 x 55 cm (Height incl. Display 56 cm)
Min. Surface Space	Device feet fit on 50 cm tabletop
Chamber Size	Ø 25 cm x 35 cm long
Chamber Volume	18 liters
Load Quantity	Max. 9 kg instruments / 2 kg textiles
Weight	60 kg
Power Supply	220 – 240 V, 50 - 60 Hz
Power Input	3.400 W

Downloads:

- Brochure Evolution-Series
- User Manual 41 B+ Evolution and 43 B+ Evolution

Video:

- Product video Vacuklav 41 B+ Evolution
<https://www.youtube.com/watch?v=nQ5AO2vK9e4&index=2&list=PLhs76F2Ef2EoVDjZ7ysrT321629keID66>

3.3 Vacuklav 43 B+ Evolution



Product description:

MELAG Vacuklav 43 B+ Evolution (inc. mount for trays)

The Premium B-Class steam Sterilizer with DRYtelligence® Technology

Decades of experience in developing intelligent, energy-efficient steam sterilizers combined with the pioneering work of the best MELAG engineers has resulted in the development of a new generation of practice autoclaves: the Premium-Class Evolution!

The autoclave Vacuklav 43 B+ Evolution impresses with its high loading capacities, an intuitive operating concept and record operating times. The B-Class cycle with a fractionated pre-vacuum ensures safe sterilization of even complex hollow body instruments, such as hand pieces or endoscopes.

The innovative cooling system of the stand-alone steam sterilizer ensures the highest degree of flexibility in practice and clinic use, obviating the need for a water connection. Moreover, the optimized tank system and the new media board with which the Vacuklav 43 B+ Evolution is equipped facilitate the supply of the autoclave with demineralized water.

The DRYtelligence® Technology and the Sleep-Mode button of our Vacuklav 43 B+ Evolution ensure energy and time efficiency as well as exceptional user-friendliness.

All the product highlights of the B-Class steam sterilizer Vacuklav 43 B+ Evolution at a glance:

- **Record operating times thanks to the patented double-jacket technology:** sterilization of wrapped instruments in the Quick-Program takes only 20 minutes; unwrapped instruments are sterilized in only 10 minutes (inc. fractionated pre-vacuum and drying)
- **High loading capacity of 9 kg:** the autoclave is now equipped with 8 trays to ensure efficient use of the interior space
- **Integrated documentation:** no additional costs for documentation thanks to the integrated CF card slot and two network interfaces
- **XXL colour-touch display:** the intuitive operating interface makes for easy and legally-compliant documentation, approval and traceability

- **DRYtelligence®**: the new intelligent drying technology guarantees the best drying results and up to 80% shorter drying times
- **Innovative media board**: the new designed media board gives the practice team quick access to the most important components

Bring your instrument decontamination process to the next level with our wide range of accessories: print barcode-labels using MELAprint 60 to trace the instruments and other loading elements. The MELAstore System optimizes the process of instrument decontamination. MELAstore-Boxes and MELAstore-Trays reduce practice waste and increase the quality of the overall reprocessing through standardization and documentation.

HTML-Code:

```
<a href=" https://www.melag.com/en/products/steam-sterilizers/premium-class/vacuklav-43-b"> Learn more on melag.com </a>
```

Keywords for Web-Texts:

New generation of sterilization, world leading quality in the field of instrument decontamination, Vacuklav 43 B+ Evolution, stand-alone autoclave, effective cooling of the high-performance vacuum system, record operating times, patented Double-Jacket technology, DRYtelligence® - new intelligent drying, up to 80% shorter drying times, intuitive operating concept, Innovative Media Board, optimized tank concept, maximum loading capacity of up to 9kg, high-quality components ensure longevity, Sleep-Mode Button, energy efficiency, user-friendliness, integrated documentation, CF Card Slot, two network interfaces, XXL color-touch Display, integrated software for batch approval, Label-Printer MELAprint 60, MELAstore-Systems, MELAtrace

Product Details // Technical Data:

Dimensions (w x d x h)	46 x 50 x 55 cm (Height incl. Display 56 cm)
Min. Surface Space	Device feet fit on 60 cm table top
Chamber Size	Ø 25 cm x 45 cm long
Chamber Volume	23 liters
Load Quantity	max. 9 kg instruments / 2,5 kg textiles
Weight	69 kg
Power Supply	220 – 240 V, 50 - 60 Hz
Power Input	3.400 W

Downloads:

- Brochure Evolution-Series
- User Manual 41 B+ Evolution and 43 B+ Evolution

Video:

- Product video Vacuklav 43 B+ Evolution
<https://www.youtube.com/watch?v=nQ5AO2vK9e4&index=2&list=PLhs76F2Ef2EoVDjZ7ysrT321629keID66>

3.4 Vacuklav 44 B+ Evolution



Product description:

MELAG Vacuklav 44 B+ Evolution (inc. mount for trays)

The Premium Class B autoclave with DRYtelligence® Technology

Decades of experience in developing intelligent, energy-efficient steam sterilizers combined with the pioneering work of the best MELAG engineers has resulted in the development of a new generation of practice autoclaves: the Premium-Class Evolution!

The autoclave Vacuklav 44 B+ Evolution impresses with its high loading capacities, an intuitive operating concept and record operating times. The B-Class cycle with a fractionated pre-vacuum ensures safe sterilization of even complex hollow body instruments, such as hand pieces or endoscopes.

The fixed water connection of the MELAG steam sterilizer makes for effective cooling of the high-performance vacuum system. The DRYtelligence® Technology and Sleep-Mode button of the new Vacuklav 44 B+ Evolution ensure both energy and time efficiency as well as user-friendliness in practice and clinic use.

All the product highlights of the B-Class steam sterilizer Vacuklav 44 B+ Evolution at a glance:

- **Record operating times through the patented double-jacket technology:** wrapped instruments can be sterilized in the Quick-Program in only 20 minutes; unwrapped instruments are sterilized in only 10 minutes (inc. fractionated pre-vacuum and drying)
- **High loading capacity of 9 kg:** the autoclave can now accommodate 8 trays so as to make the most efficient use of the sterilization chamber
- **Integrated documentation:** no additional costs for documentation thanks to the integrated CF card slot and two network interfaces
- **XXL colour-touch display:** documentation, approval and traceability of the sterilization cycle and an intuitive operating interface - easy to use and legally compliant
- **DRYtelligence®:** the new MELAG intelligent drying technology guarantees the best drying results and up to 80 % shorter drying times
- **Innovative media board:** the new design of the media board makes for quick access to the most important components of the steam sterilizer

Vacuklav 44 B+ Evolution is connected to a water treatment unit to ensure automatic supply of the autoclave with demineralized water. You can produce high-quality demineralized water using either the MELAdem 40 compact water treatment system, the economical and environmentally-friendly MELAdem 47 or the high-performance MELAdem 53 (in combination with a washer-disinfector).

Take your instrument decontamination process to the next level with our wide range of accessories. Print barcode-labels using the MELAG MELAprint 60 to trace the instruments and other loading elements. The MELAstore-System optimizes the entire instrument decontamination workflow. Using the MELAG MELAstore-Boxes in conjunction with MELAstore-Trays ensures maximum safety and time-efficiency in a practice and clinic setting.

HTML:

` Learn more on melag.com `

Keywords for Web-Texts:

New generation of sterilization, world leading quality in the field of instrument decontamination, Vacuklav 44 B+ Evolution, fixed water connection, effective cooling of the high-performance vacuum system, record operating times, patented Double-Jacket technology, DRYtelligence® - new intelligent drying, shorter drying times up to 80%, intuitive operating concept, Innovative Media Board, maximum loading capacity 9kg, high-quality components ensure longevity, Sleep-Mode Button, energy efficiency, user-friendliness, integrated documentation, CF-Card-Slot, two network interfaces, XXL color-touch Display, integrated software for instrument approval, Label-Printer MELAprint 60, MELAstore-Systems, MELAdem 40, MELAdem 47, MELAtrace, Quality made in Germany

Product Details // Technical Data:

Dimensions (w x d x h)	46 x 50 x 55 cm (Height inc. Display 56 cm)
Min. Surface Space	Device feet fit on 60 cm table top
Chamber Size	Ø 25 cm x 45 cm long
Chamber Volume	23 liters
Load Quantity	max. 9 kg instruments / 2,5 kg textiles
Weight	64 kg
Power Supply	220 – 240 V, 50 - 60 Hz
Power Input	3.400 W

Downloads:

- Brochure Evolution-Series
- User Manual 40 B+ Evolution and 44 B+ Evolution

Video:

- Product Video Vacuklav 40 B+ and 44 B+ Evolution
<https://www.youtube.com/watch?v=A7obsdMCAeU&list=PLhs76F2Ef2EoVDjZ7ysrT321629kelD66&index=1>

3.5 Vacuklav 30 B+



Product description:

MELAG Vacuklav 30 B+ (inc. mount for trays)

High-capacity B-Class autoclave with a fixed water connection

Like all Pro-Class autoclaves, Vacuklav 30 B+ convinces with the high level of reliability, short program cycles, intuitive operation and documentation. The water-cooled vacuum pump guarantees fast operating times whilst meeting the requirements placed on continuous operation of the autoclave in a practice and clinic context.

Unwrapped instruments are available after only 20 minutes, including the fractionated pre-vacuum procedure and perfect drying results. Depending on the load, wrapped instruments require 45 to 50 minutes.

The following advantages will make your Vacuklav 30 B+ experience unique:

- **Reliable all-round autoclave** with effective water cooling of the vacuum pump
- **Fast sterilization cycles:** unwrapped instruments require 20 minutes, wrapped instruments around 45 minutes (inc. fractionated pre-vacuum and drying)
- **Intuitive operation** with the MELAG 4-key concept
- **Serial interface** supports digital documentation with MELAflash and MELAnet Box

The log files of the MELAG steam sterilizer are stored either using the MELAflash CF card printer, the log printer MELAprint 44 or MELAnet-Box. MELAnet-Box connects the autoclave with the practice network to save the log files automatically. In addition to the documentation, the software MELAtrace makes the batch approval even easier and faster.

The innovative vacuum pump of the B-Class steam sterilizer guarantees especially fast and efficient sterilization. The water supply to the Vacuklav 30 B+ requires a water tap connection. A water treatment unit enables cost-effective generation of demineralized water in a practice and clinic setting. Choose from a range of MELAG solutions and select the water treatment unit which best meets the needs of your practice: the compact MELAdem 40, our

environmentally friendly MELAdem 47 or the high performance MELAdem 53 system (in combination with a washer-disinfector).

HTML:

<https://www.melag.com/en/products/steam-sterilizers/pro-class/vacuklav-30-b>
Learn more on melag.com

Keywords for web texts:

Sturdy all-round autoclave, B-Class sterilizer, Vacuklav 30 B+, tried and tested quality, fixed water connection, effective cooling of the vacuum system, fast sterilization cycles, perfect drying results, intuitive operating concept, MELAG 4-key concept, serial port, MELAnet Box, MELAflash CF-Card-Printer, approval software MELAtrace, MELAdem 40, MELAdem 47

Product details // Technical Data:

Dimensions (w x h x d)	42,5 x 48,5 x 63 cm
Min. Surface Space	feet of the unit fit on 50 cm tabletop
Chamber Size	ø 25 cm x length 35 cm
Chamber Volume	17 liter
Load Quantity	max. 5 kg instruments / 2 kg textiles
Weight	45 kg
Power Supply	230 V, 50 - 60 Hz
Power Input	2.100 W

Download:

- Brochure: pro-class autoclaves
- User Manual 30 B+ and 24 B+
- Installation Instruction for autoclaves with fixed water connection

Video:

- Product video Vacuklav 30 B+
<https://www.youtube.com/watch?v=FlxwE-Y5pCw&list=PLhs76F2Ef2EoVDjZ7ysrT321629kelD66&index=7>

3.6 Vacuklav 31 B+



Product description:

MELAG Vacuklav 31 B+ (inc. mount for trays)

High-performance stand-alone autoclave

The Class B practice-autoclave Vacuklav 31 B+ convinces with short sterilization cycles, intuitive operation and a modern documentation concept. Over 500.000 sold steam sterilizers in conjunction with the quality “made in Germany” are evidences for the reliability of MELAG products in instrument reprocessing. The tried and tested air cooling system of the stand-alone Vacuklav 31 B+ ensures safe and reliable operation - even during non-stop use in a practice and clinic setting.

Benefit from the quick sterilization cycles and perfect drying results achieved by Vacuklav 31 B+. Whilst unwrapped instruments are available after only 20 minutes, wrapped instruments can be sterilized in 45 minutes. The B-Class programs with the fractionated pre-vacuum can be used for the sterilization of all possible loads and sterilization packages. Even hollow body instruments e.g. hand pieces or endoscopes are properly sterilized in practices and clinics.

Discover the product advantages of the B-Class autoclave Vacuklav 31 B+:

- **Fast sterilization cycles:** unwrapped instruments require 20 minutes, wrapped instruments around 45 minutes (inc. fractionated pre-vacuum and drying)
- **Intuitive operation:** with the MELAG 4-key concept
- **Serial interface:** digital documentation using a MELAflash CF card, MELAnet-Box or MELAprint 44
- **Flexibility:** a fixed water connection is not required. The stand-alone autoclave is supplied with demineralized water from an integrated water tank.

The log files of the MELAG steam sterilizer are stored either using the MELAflash CF card printer, the log printer MELAprint 44 or MELAnet-Box. MELAnet-Box connects the autoclave

with the practice network to save the log files automatically. In addition to the documentation, the software MELA*trace* makes the batch approval even easier and faster.

HTML-Code:

```
<a href="https://www.melag.com/en/products/steam-sterilizers/pro-class/vacuklav-31-b">
Learn more on MELAG.com </a>
```

Keywords for web texts:

autoclave, class B steam sterilizer, Vacuklav 31 B+, stand-alone autoclave, air cooling of vacuum system, tried and tested quality, fast cycles, perfect drying results, intuitive operation, MELAG 4-key concept, serial interface, MELA*net*-Box, MELA*flash* CF-Card-Printer, approval software MELA*trace*

Product details // Technical Data:

Device dimensions (w x h x d)	42,5 x 48,5 x 63 cm
Min. Surface Space	feet of the unit fit on 50 cm tabletop
Chamber Size	ø 25 cm x length 35 cm
Chamber Volume	17 liters
Load Quantity	max. 5 kg instruments / 1.8 kg textiles
Weight	45 kg
Power Supply	230 V, 50 - 60 Hz
Power Input	2.100 W

Downloads:

- Brochure pro-class autoclaves
- User Manual 31 B+ and 23 B+

Video:

- Product Video: Vacuklav 31 B+ and 23 B+
<https://www.youtube.com/watch?v=hbjinDB4qfuQ>

3.7 Vacuklav 23 B+



Product description:

MELAG Vacuklav 23 B+ (inc. mount for trays)

High-performance stand-alone autoclave

The Class B practice-autoclave Vacuklav 23 B+ convinces with short sterilization cycles, intuitive operation and a modern documentation concept. Over 500.000 sold steam sterilizers in conjunction with the quality “made in Germany” are evidences for the reliability of MELAG products in instrument reprocessing. The tried and tested air cooling system of the stand-alone Vacuklav 23 B+ ensures safe and reliable operation - even during non-stop use in a practice and clinic setting.

Benefit from the quick sterilization cycles and perfect drying results achieved by Vacuklav 23 B+. Whilst unwrapped instruments are available after only 20 minutes, wrapped instruments can be sterilized in 45 minutes. The B-Class programs with the fractionated pre-vacuum can be used for the sterilization of all possible loads and sterilization packages. Even hollow body instruments e.g. hand pieces or endoscopes are properly sterilized in practices and clinics.

Discover the product advantages of the B-Class autoclave Vacuklav 23 B+:

- **Fast sterilization cycles:** unwrapped instruments require 20 minutes, wrapped instruments around 45 minutes (inc. fractionated pre-vacuum and drying)
- **Intuitive operation:** with the MELAG 4-key concept
- **Serial interface:** digital documentation using a MELAflash CF card, MELAnet-Box or MELAprint 44
- **Flexibility:** a fixed water connection is not required. The stand-alone autoclave is supplied with demineralized water from an integrated water tank.

The log files of the MELAG steam sterilizer are stored either using the MELAflash CF card printer, the log printer MELAprint 44 or MELAnet-Box. MELAnet-Box connects the autoclave

with the practice network to save the log files automatically. In addition to the documentation, the software MELA*trace* makes the batch approval even easier and faster.

HTML-Code:

```
<a href="https://www.melag.com/en/products/steam-sterilizers/pro-class/vacuklav-23-b">
Learn more on MELAG.com </a>
```

Keywords for web texts:

autoclave, class B steam sterilizer, Vacuklav 23 B+, stand-alone autoclave, air cooling of vacuum system, tried and tested quality, fast cycles, perfect drying results, intuitive operation, MELAG 4-key concept, serial interface, MELA*net*-Box, MELA*flash* CF-Card-Printer, approval software MELA*trace*

Product details // Technical Data:

Dimensions (w x h x d)	42,5 x 48,5 x 75 cm
Min. Surface Space	feet of the unit fit on 60 cm tabletop
Chamber Size	ø 25 cm x length 45 cm
Chamber Volume	22 liter
Load Quantity	max. 5 kg instruments / 1.8 kg textiles
Weight	50 kg
Power Supply	230 V, 50 - 60 Hz
Power Input	2.100 W

Downloads:

- Brochure pro-class autoclaves
- User Manual 31 B+ and 23 B+

Video:

- Product Video: Vacuklav 31 B+ and 23 B+
<https://www.youtube.com/watch?v=hbjinDB4qfuQ>

3.8 Vacuklav 24 B+



Product description:

MELAG Vacuklav 24 B+ (inc. mount for trays)

High-capacity B-Class autoclave with a fixed water connection

Like all Pro-Class autoclaves, Vacuklav 24 B+ convinces with the high level of reliability, short program cycles, intuitive operation and documentation. The water-cooled vacuum pump guarantees fast operating times whilst meeting the requirements placed on continuous operation of the autoclave in a practice and clinic context.

Unwrapped instruments are available after only 20 minutes, including the fractionated pre-vacuum procedure and perfect drying results. Depending on the load, wrapped instruments require 45 to 50 minutes.

The following advantages will make your Vacuklav 24 B+ experience unique:

- **Reliable all-round autoclave** with effective water cooling of the vacuum pump
- **Fast sterilization cycles:** unwrapped instruments require 20 minutes, wrapped instruments around 45 minutes (inc. fractionated pre-vacuum and drying)
- **Intuitive operation** with the MELAG 4-key concept
- **Serial interface** supports digital documentation with MELAflash and MELAnet Box

The log files of the MELAG steam sterilizer are stored either using the MELAflash CF card printer, the log printer MELAprint 44 or MELAnet-Box. MELAnet-Box connects the autoclave with the practice network to save the log files automatically. In addition to the documentation, the software MELAtrace makes the batch approval even easier and faster.

The innovative vacuum pump of the B-Class steam sterilizer guarantees especially fast and efficient sterilization. The water supply to the Vacuklav 24 B+ requires a water tap connection. A water treatment unit enables cost-effective generation of demineralized water in a practice and clinic setting. Choose from a range of MELAG solutions and select the water treatment

unit which best meets the needs of your practice: the compact MELAdem 40, our environmentally friendly MELAdem 47 or the high performance MELAdem 53 system (in combination with a washer-disinfector).

HTML:

[learn more on melag.com](https://www.melag.com/en/products/steam-sterilizers/pro-class/vacuklav-24-b)

Keywords for web texts:

Sturdy all-round autoclave, B-Class sterilizer, Vacuklav 24 B+, tried and tested quality, fixed water connection, effective cooling of the vacuum system, fast sterilization cycles, perfect drying results, intuitive operating concept, MELAG 4-key concept, serial port, MELAnet Box, MELAflash CF-Card-Printer, approval software MELAtrace, MELAdem 40, MELAdem 47

Product details // Technical Data:

Device dimensions (w x h x d)	42,5 x 48,5 x 69 cm
Min. Surface Space	feet of the unit fit on 60 cm tabletop
Chamber Size	ø 25 cm x length 45 cm
Chamber Volume	22 liter
Load Quantity	max. 7 kg instruments / 2,5 kg textiles
Weight	48 kg
Power Supply	230 V, 50 - 60 Hz
Power Input	2.100 W

Download:

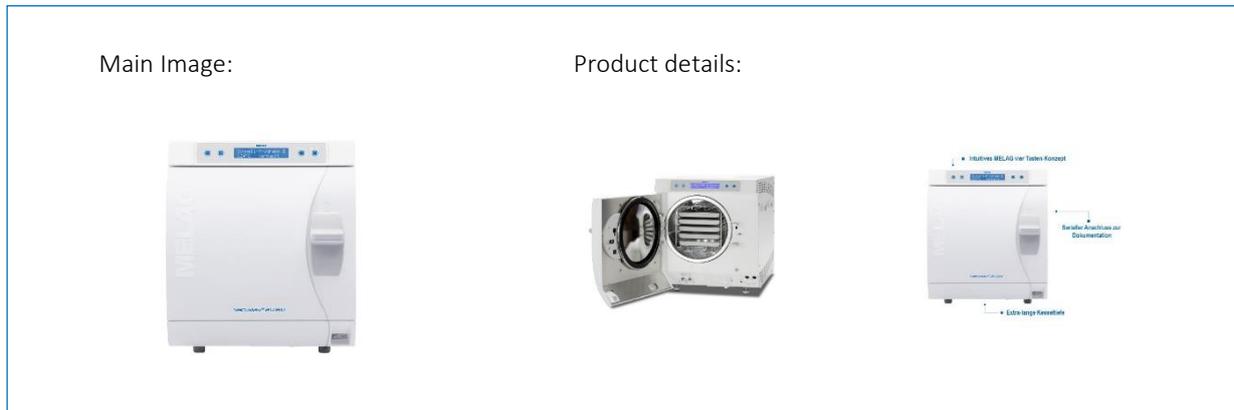
- Brochure: pro-class autoclaves
- User Manual 30 B+ and 24 B+
- Installation Instruction for autoclaves with fixed water connection

Video:

- Product video Vacuklav 24 B+

<https://www.youtube.com/watch?v=oczsgDu3mms&list=PLhs76F2Ef2EoVDjZ7ysrT321629kelD66&index=6>

3.9 Vacuklav 24 BL+



Product description:

MELAG Vacuklav 24 BL+ (inc. mount for trays)

High-capacity B-Class autoclave with extra-deep sterilization chamber

Like all Pro-Class autoclaves, Vacuklav 24 BL+ convinces with its reliability, short program cycles, intuitive operation and simple documentation procedures. Vacuklav 24 BL+ is a true miracle when it comes to space! The 60 cm deep chamber enables the fast sterilization of extra-long instruments such as endoscopes.

Unwrapped instruments required quickly are available after only 30 minutes, including fractionated pre-vacuum and perfect drying. Wrapped instruments require up to 50 minutes per sterilization cycle.

The following advantages will make your Vacuklav 24 BL+ experience unique:

- **Sturdy all-round autoclave** with effective water cooling of the vacuum pump
- **Fast sterilization cycles:** unwrapped instruments require 30 minutes, wrapped instruments around 50 minutes (inc. fractionated pre-vacuum and drying)
- **Extra deep chamber** for instruments up to 55 cm
- **Intuitive operation** using the MELAG 4-key concept
- **Serial interface** supports digital documentation with MELAflash and MELAnet Box

The log files of the MELAG steam sterilizer are stored either using the MELAflash CF card printer, the log printer MELAprint 44 or MELAnet-Box. MELAnet-Box connects the autoclave with the practice network to save the log files automatically. In addition to the documentation, the software MELAtrace makes the batch approval even easier and faster.

The innovative vacuum pump of the B-Class steam sterilizer guarantees especially fast and efficient sterilization. The water supply to the Vacuklav 24 B+ requires a water tap connection. A water treatment unit enables cost-effective generation of demineralized water in a practice and clinic setting. Choose from a range of MELAG solutions and select the water treatment unit which best meets the needs of your practice: the compact MELAdem 40, our

environmentally friendly MELAdem 47 or the high performance MELAdem 53 system (in combination with a washer-disinfector).

HTML:

``
Learn more on melag.com ``

Keywords for web texts:

Sturdy all-round autoclave, B-Class sterilizer, Vacuklav 24 BL+, tried and tested quality, fixed water connection, effective cooling of the vacuum system, fast sterilization cycles, perfect drying results, extra deep chamber, for instruments with a length up to 55cm, intuitive operating concept, MELAG 4-key concept, serial port, MELAnet Box, MELAflash CF-Card-Printer, approval software MELAtrace, MELAdem 40, MELAdem 47

Product details // Technical Data:

Dimensions (w x h x d)	42,5 x 49 x 84 cm
Min. Surface Space	feet of the unit fit on 60 cm tabletop
Chamber Size	ø 25 cm x length 60 cm
Chamber Volume	28,6 liter
Load Quantity	max. 7 kg instruments / 2,5 kg textiles
Weight	53 kg
Power Supply	220-240 V, 50 - 60 Hz
Power Input	2.100 W

Download:

- Brochure pro-class autoclaves
- User Manual 24 BL+

Video:

- Product video Vacuklav 24 BL+
<https://www.youtube.com/watch?v=ruMrk5U4Q8k&list=PLhs76F2Ef2EoVDjZ7ysrT321629kelD66&index=13>

3.10 MELAquick 12+



Product description:

MELAG MELAquick 12+

A compact quick steam sterilizer achieving record operating times for hand pieces and turbines

Transmission instruments need to be decontaminated after patient treatment in a reliable sterilization process. Operating in a cost and time-efficient manner, the compact quick steam sterilizers of the MELAquick series operate in compliance with international hygiene standards. Up to 12 hand pieces and turbines, prophylactic or other instruments (up to 20 cm) can be reprocessed in only 7 minutes. The quick sterilization cycles enable you to reduce your stock of transmission instruments to a minimum.

Discover the product highlights of the MELAquick 12+ steam sterilizer:

- **Record operating times:** up to 12 transmission instruments can be sterilized in only 7 minutes
- **Intuitive operation:** MELAG 4-key concept
- **Serial interface:** MELAflash or MELAnet Box ensure paperless and safe documentation
- **Compact device dimensions:** MELAquick 12+ takes up only a small space on the worktop in your decontamination room
- **Flexibility:** a fixed water connection is not required. The quick steam sterilizer can be supplied with demineralized water from external water tanks.

The steam sterilizer MELAquick 12+ requires a compressed air supply to ensure an efficient and standard-compliant drying process. An optional water treatment unit of the MELAdem series facilitates the workflows in your practice or clinic. The water treatment unit directly supplies quick steam sterilizer MELAquick 12+ with demineralized water.

MELAG provides a variety of accessories for the documentation, batch approval and traceability of the sterilization process. Choose from the MELAprint 44 protocol printer; MELAflash CF card printer; MELAnet-Box for network connection and MELAtrace software for the complete approval, labelling and tracing of the entire instrument reprocessing procedure.

HTML:

Learn more on melag.com

Keywords for web texts:

Compact quick steam sterilizer, sterilizer, MELA*quick* 12+, EN13060, record operating times, validatable automatic procedure, in compliance with the standard procedure recommended by Robert-Koch-institute, tried and tested quality, 12 transmission instruments in 7 minutes, time saving, cost efficient due to low amounts of transmission instruments needed, MELAG 4-key concept, intuitive operating concept, serial port, MELANet Box, MELA*flash* CF-Card-Printer, approval software MELA*trace*

Product details // Technical Data:

Device dimensions (w x h x d)	19,5 x 43 x 47 cm
Chamber Size	ø 9 cm x length 20 cm
Chamber Volume	1,35 liter
Weight	23 kg
Power Supply	220-240 V, 50 - 60 Hz
Power Input	2.050 W

Download:

- Brochure MELA*quick* 12+ and 12+ p
- User Manual MELA*quick* 12+ and 12+ p

Video:

- Product video: MELA*quick* 12+ and 12+ p
<https://www.youtube.com/watch?v=rovPG3eByUM>

3.11 MELA*quick* 12+ p



Product description:

MELAG MELAquick 12+ p

A compact quick steam sterilizer achieving record operating times for hand pieces and turbines

Transmission instruments need to be decontaminated after patient treatment in a reliable sterilization process. Operating in a cost and time-efficient manner, the compact quick steam sterilizers of the MELAquick series operate in compliance with international hygiene standards. Up to 12 hand pieces and turbines, prophylactic or other instruments (up to 20 cm) can be reprocessed in only 7 minutes. The quick sterilization cycles enable you to reduce your stock of transmission instruments to a minimum.

Discover the product highlights of the MELAquick 12+ steam sterilizer:

- **Record operating times:** up to 12 transmission instruments can be sterilized in only 7 minutes
- **Intuitive operation:** MELAG 4-key concept
- **Serial interface:** MELAflash or MELAnet Box ensure paperless and safe documentation
- **Compact device dimensions:** MELAquick 12+ takes up only a small space on the worktop in your decontamination room
- **Flexibility:** a fixed water connection is not required. The quick steam sterilizer can be supplied with demineralized water from external water tanks.

The steam sterilizer MELAquick 12+ p does not require a compressed air supply. The built-in compressor pump ensures an efficient and standard-compliant drying process of the instruments. An optional water treatment unit of the MELAdem series facilitates the workflows in your practice or clinic. The water treatment unit directly supplies the quick steam sterilizer MELAquick 12+ with demineralized water.

MELAG provides a variety of accessories for the documentation, batch approval and traceability of the sterilization process. Choose from the MELAprint 44 protocol printer; MELAflash CF card printer; MELAnet-Box for network connection and MELAtrace software for the complete approval, labelling and tracing of the entire instrument reprocessing procedure.

HTML:

 Learn more on melag.com

Keywords for web texts:

Compact quick steam sterilizer, sterilizer, MELA*quick* 12+, EN13060, record operating times, validatable automatic procedure, in compliance with the standard procedure recommended by Robert-Koch-institute, tried and tested quality, 12 transmission instruments in 7 minutes, time saving, cost efficient due to low amounts of transmission instruments needed, MELAG 4-key concept, intuitive operating concept, serial port, MELA*net* Box, MELA*flash* CF-Card-Printer, approval software MELA*trace*

Product details // Technical Data:

Device dimensions (w x h x d)	19,5 x 43 x 47 cm
Chamber Size	ø 9 cm x length 20 cm
Chamber Volume	1,35 liter
Weight	23 kg
Power Supply	220-240 V, 50 - 60 Hz
Power Input	2.050 W

Download:

- Brochure MELA*quick* 12+ and 12+ p
- User Manual MELA*quick* 12+ and 12+ p

Video:

- Product video: MELA*quick* 12+ and 12+ p
<https://www.youtube.com/watch?v=rovPG3eByUM>

3.12 Euroklav 23 VS+



Product description:

MELAG Euroklav 23 VS+

Reliable S-Class stand-alone autoclave

The tried-and-tested S-Class Euroklav series offers reliable sterilization with a pre-vacuum. Euroklav 23 VS+ is a cost-friendly solution for the decontamination of single wrapped and unwrapped instruments.

The efficient pre-vacuum system of the Euroklav 23 VS+ means that even simple hollow body instruments (e.g. scissors, pliers and forceps) can be reprocessed. Irrespectively of the load pattern, the effective vacuum drying procedure ensures a perfect drying outcome.

State-of-the-art sensors and microprocessor electronics guarantee reliable monitoring of the parameters during the entire sterilization process.

Benefit from the product highlights of the S-Class autoclave Euroklav 23 VS+:

- **Fast sterilization cycles:** sterilization of unwrapped instruments takes only 25 minutes; wrapped instruments can be finished in 45 minutes (inc. simple pre-vacuum and drying)
- **Effective vacuum drying** for the best possible outcomes
- **Intuitive operation** with the MELAG 4-Key concept
- **Serial interface** in conjunction with MELAflash or MELAnet Box ensure paperless documentation
- **Flexible stand-alone autoclave:** no tap water connection needed

MELAG provides a range of additional accessories to store the log files for documentation purposes. Connect the MELAflash CF card printer, the log printer MELAprint 44 or MELAnet Box with the serial interface of the autoclave. MELAnet Box represents the most user-friendly solution. The autoclave will automatically store log files with all sterilization parameters to the practice network. An additional advantage is provided by the MELAtrace software solution, which performs paperless batch documentation and approval.

HTML-Code:

Learn more on melag.com

Keywords for web texts:

Sturdy autoclave, S-Class sterilizer, Vacuclav 23VS+, stand-alone autoclave, patented air cooling of vacuum chamber, tried and tested quality, fast cycle times, perfect drying results, economical solution, intuitive operating concept, MELAG 4-key concept, serial port, MELAnet Box, MELAflash CF-Card-Printer, approval and documentation software MELAtrace

Product details // Technical data:

Device dimensions (w x h x d)	42,5 x 48,5 x 69 cm
Min. Surface Space	feet of the unit fit on 60 cm table top
Chamber size	ø 25 cm x length 45 cm
Chamber Volume	22 liter
Load Quantity	max. 4 kg instruments / 1 kg textiles
Weight	45 kg
Power supply	230 V, 50 Hz
Power input	2.600 W

Downloads:

- Brochure Euroklav
- User manual 23 VS+ / 29 VS+

Video:

- Product video 23 VS+
https://www.youtube.com/watch?v=YXjvE_t7DVY

3.13 Euroklav 29 VS+



Product description:

MELAG Euroklav 29 VS+

Reliable S-Class stand-alone autoclave

The tried-and-tested S-Class Euroklav series offers reliable sterilization with a pre-vacuum. Euroklav 29 VS+ is a cost-friendly solution for the decontamination of single wrapped and unwrapped instruments.

The efficient pre-vacuum system of the Euroklav 29 VS+ means that even simple hollow body instruments (e.g. scissors, pliers and forceps) can be reprocessed. Irrespectively of the load pattern, the effective vacuum drying procedure ensures a perfect drying outcome.

State-of-the-art sensors and microprocessor electronics guarantee reliable monitoring of the parameters during the entire sterilization process.

Benefit from the product highlights of the S-Class autoclave Euroklav 29 VS+:

- **Fast sterilization cycles:** sterilization of unwrapped instruments takes only 25 minutes; wrapped instruments can be finished in 45 minutes (inc. simple pre-vacuum and drying)
- **Effective vacuum drying** for the best possible outcomes
- **Intuitive operation** with the MELAG 4-Key concept
- **Serial interface** in conjunction with MELAflash or MELAnet Box ensure paperless documentation
- **Flexible stand-alone autoclave:** no tap water connection needed

MELAG provides a range of additional accessories to store the log files for documentation purposes. Connect the MELAflash CF card printer, the log printer MELAprint 44 or MELAnet Box with the serial interface of the autoclave. MELAnet Box represents the most user-friendly solution. The autoclave will automatically store log files with all sterilization parameters to the

practice network. An additional advantage is provided by the MELA*trace* software solution, which performs paperless batch documentation and approval.

HTML-Code:

```
<a href="https://www.melag.com/en/products/steam-sterilizers/euroklav/euroklav-29-vs">
Learn more on melag.com </a>
```

Keywords for web texts:

Sturdy autoclave, S-Class sterilizer, Vacuclav 29 VS+, stand-alone autoclave, patented air cooling of vacuum chamber, tried and tested quality, fast cycle times, perfect drying results, economical solution, intuitive operating concept, MELAG 4-key concept, serial port, MELA*net* Box, MELA*flash* CF-Card-Printer, approval and documentation software MELA*trace*

Product details // Technical data:

Dimensions (w x h x d)	42,5 x 48,5 x 61 cm
Min. Surface Space	feet of the unit fit on 50 cm table top
Chamber size	ø 25 cm x length 35 cm
Chamber volume	18 liter
Load Quantity	max. 3 kg instruments / 0,8 kg textiles
Weight	42 kg
Power supply	230 V, 50 Hz
Power input	2.100 W

Downloads:

- Brochure Euroklav
- User manual 23 VS+ / 29 VS+

Video:

- Product video 29 VS+
<https://www.youtube.com/watch?v=6WQ8igWRYOE>

3.14 Cliniclave 45



MELAG Cliniclave 45 (inc. sub-cabinet and CF-Card)

Innovative large steam sterilizer (1 STU) with DRYtelligence® technology

Decades of experience in developing solutions for instrument reprocessing lead to the most innovative large steam sterilizers: the Cliniclave-Series!

The world-beating MELAG quality made in Germany means that Cliniclave 45 outperforms many other large autoclaves. The sterilization of larger quantities of instruments and textiles and their quick availability is one of the most important requirements in practices, clinics and hospitals. The large steam sterilizer Cliniclave 45 has the capacity of one sterilization unit (STU) to accommodate up to 35 kg of wrapped instruments. The combination of extremely short operation times with our intelligent drying system DRYtelligence® guarantees the best-possible sterilization outcomes. The patented double jacket technology of Cliniclave 45 makes for record B-Class sterilization in 30 minutes (including drying).

The new XXL colour-touch display of Cliniclave 45 and the versatile interface concept permits easy batch documentation and approval. Benefit from a CF card slot and two network interfaces to store the log files automatically.

These advantages make the Cliniclave 45 105 litre autoclave unique:

- **Patented double jacket technology ensures record operating times:** Class B sterilization in a quick program of wrapped instruments takes only 20 minutes, the universal program for maximum load about 35 minutes
- **DRYtelligence® technology:** the new intelligent drying system guarantees perfect drying results while reducing drying times by up to 80 %
- **High load quantity:** one sterilization unit (1 STU) for up to 35 kg of wrapped instruments or 7 kg of textiles
- **XXL colour-touch display:** documentation, approval and traceability via the display, with intuitive operating interface
- **Integrated documentation:** the integrated CF card slot and two network interfaces means no additional costs for documentation

- **Optimized workflow:** separation of the loading and removal sides ensures the highest hygiene standards
- **Flexibility:** freely configurable customization of the position of the door hinges, either on the left or right-hand side

To facilitate working with Cliniclave 45 experience, a compatible loading system and the MELAprint 60 are additional options: The loading system, consisting of a loading trolley, sliding rail, batch slider and push hook, makes for ergonomic operation. The additional MELAprint 60 prints barcode-labels to ensure traceability of the sterilized instruments.

HTML:

Learn more on melag.com

Keywords for web texts:

Cliniclave 45, double door Large Steam Sterilizer, record operating times, double jacket technology, high load capacity, 1 Sterilization Unit, chamber volume up to 105 liters, up to 35 kg wrapped instruments, XXL colour touch display, approval directly at the autoclave, CF-Card-Slot, two network interfaces, DRYtelligence®, patented intelligent drying, shortening of drying times up to 80%, customizable door hinges, Label printer MELAprint 60, MELAdem 56

Product details // Technical data:

Model	single door large steam sterilizer
Door hinge	left OR right-hand side (must be specified with order)
Dimensions (w x h x d)	65 x 160 x 91 cm
Chamber size	∅ 44 cm x length 72 cm
Chamber volume	105 liter
Capacity	1 sterilization unit
Load quantity	max. 35 kg instruments / 7 kg textiles
Weight	255 kg
Power supply	3x380-415 V, 50/60 Hz
Power input	10.500 W

Downloads:

- Brochure Cliniclave-Series
- User Manual Cliniclave 45
- Installation instruction

Video:

- Product video Cliniclave 45

<https://www.youtube.com/watch?v=CZngeNjNv3A>

3.15 Cliniclave 45 M



MELAG Cliniclave 45 M (inc. sub-cabinet and CF-Card)

Innovative large steam sterilizer (1 STU) with DRYtelligence® technology

Decades of experience in developing solutions for instrument reprocessing lead to the most innovative large steam sterilizers: the Cliniclave-Series!

The world-beating MELAG quality made in Germany means that Cliniclave 45 M outperforms many other large autoclaves. The sterilization of larger quantities of instruments and textiles and their quick availability is one of the most important requirements in practices, clinics and hospitals. The large steam sterilizer Cliniclave 45 M has the capacity of two sterilization units (STU) to accommodate up to 70 kg of wrapped instruments. The combination of extremely short operation times with our intelligent drying system DRYtelligence® guarantees the best-possible sterilization outcomes. The patented double jacket technology of Cliniclave 45 M makes for record B-Class sterilization in 38 minutes (including drying).

The new XXL colour-touch display of Cliniclave 45 M and the versatile interface concept permits easy batch documentation and approval. Benefit from a CF card slot and two network interfaces to store the log files automatically.

These advantages make the Cliniclave 45 200 litre autoclave unique:

- **Patented double jacket technology ensures record operating times:** Class B sterilization in a quick program of wrapped instruments takes only 27 minutes, the universal program for maximum load about 48 minutes
- **DRYtelligence® technology:** the new intelligent drying system guarantees perfect drying results while reducing drying times by up to 80 %
- **High load quantity:** two sterilization units (2 STU) for up to 70 kg of wrapped instruments or 14 kg of textiles
- **XXL colour-touch display:** documentation, approval and traceability via the display, with intuitive operating interface

- **Integrated documentation:** the integrated CF card slot and two network interfaces means no additional costs for documentation
- **Optimized workflow:** separation of the loading and removal sides ensures the highest hygiene standards
- **Flexibility:** freely configurable customization of the position of the door hinges, either on the left or right-hand side

To facilitate working with Cliniclave 45 M experience, a compatible loading system and the MELAprint 60 are additional options: The loading system, consisting of a loading trolley, sliding rail, batch slider and push hook, makes for ergonomic operation. The additional MELAprint 60 prints barcode-labels to ensure traceability of the sterilized instruments.

HTML:

[Learn more on melag.com](https://www.melag.com/en/products/steam-sterilizers/cliniclave/cliniclave-45-M)

Keywords for web texts:

Cliniclave 45 M, double door Large Steam Sterilizer, record operating times, double jacket technology, high load capacity, 2 Sterilization Units, chamber volume up to 200 liters, up to 70 kg wrapped instruments, XXL colour touch display, approval directly at the autoclave, CF-Card-Slot, two network interfaces, DRYtelligence®, patented intelligent drying, shortening of drying times up to 80 %, customizable door hinges, Label printer MELAprint 60, MELAdem 56 M

Product details // Technical data:

Model	single door large steam sterilizer
Door hinge	left OR right-hand side (must be specified with order)
Dimensions (w x h x d)	65 x 160 x 153 cm
Chamber size	∅ 44 cm x length 134 cm
Chamber volume	200 liters
Capacity	2 sterilization units
Load quantity	max. 70 kg instruments / 14 kg textiles
Weight	315 kg
Power supply	3x380-415 V, 50/60 Hz
Power input	13.500 W

Downloads:

- Brochure Cliniclave-Series
- User Manual Cliniclave 45 M
- Installation instruction

Video:

- Product video Cliniclave 45 M

<https://www.youtube.com/watch?v=lChc3P8W9sM>

3.16 Cliniclave 45 D



Product description:

MELAG Cliniclave 45 D (inc. sub-cabinet and CF-Card)

Innovative double door large steam sterilizer (1 STU) with DRYtelligence® technology

Decades of experience in developing solutions for instrument reprocessing lead to the most innovative large steam sterilizers: the Cliniclave-Series!

The world-beating MELAG quality made in Germany means that Cliniclave 45 D outperforms many other large autoclaves. The sterilization of larger quantities of instruments and textiles and their quick availability is one of the most important requirements in practices, clinics and hospitals. The large steam sterilizer Cliniclave 45 D has the capacity of one sterilization unit (STU) to accommodate up to 35 kg of wrapped instruments. The combination of extremely short operation times with our intelligent drying system DRYtelligence® guarantees the best-possible sterilization outcomes. The patented double jacket technology of Cliniclave 45 D makes for record B-Class sterilization in 31 minutes (including drying).

The pass-through technology of Cliniclave 45 D has been designed for clinics employing a multi-room concept. Fitted with a door on both the loading and removal sides, the concept of this large steam sterilizer ensures maximum safety using stream-lined working practices.

The new XXL colour-touch display of Cliniclave 45 D permits easy batch approval; a CF card slot and two network interfaces enables you to choose from a range of different methods of storing log files.

These advantages make the Cliniclave 45 D 110 litre autoclave unique:

- **Patented double jacket technology ensures record operating times:** Class B sterilization in a quick program of wrapped instruments takes only 21 minutes, the universal program for maximum load about 40 minutes

- **DRYtelligence® technology:** the new intelligent drying system guarantees perfect drying results while reducing drying times by up to 80 %
- **High load quantity:** one sterilization unit (1 STU) for up to 35 kg of wrapped instruments or 7 kg of textiles
- **XXL colour-touch display:** documentation, approval and traceability via the display, with intuitive operating interface
- **Integrated documentation:** the integrated CF card slot and two network interfaces means no additional costs for documentation
- **Optimized workflow:** separation of the loading and removal sides ensures the highest hygiene standards
- **Flexibility:** freely configurable customization of the position of the door hinges, either on the left or right-hand side

To facilitate working with Cliniclave 45 D experience, a compatible loading system and the MELAprint 60 are additional options: The loading system, consisting of a loading trolley, sliding rail, batch slider and push hook, makes for ergonomic operation. The additional MELAprint 60 prints barcode-labels to ensure traceability of the sterilized instruments.

HTML:

 Learn more on melag.com

Keywords for web texts:

Cliniclave 45 D, double door Large Steam Sterilizer, record operating times, double jacket technology, high load capacity, 1 Sterilization Unit, chamber volume up to 110 liters, up to 35 kg wrapped instruments, XXL colour touch display, approval directly at the autoclave, CF-Card-Slot, two network interfaces, DRYtelligence®, patented intelligent drying, shortening of drying times up to 80%, customizable door hinges, Label printer MELAprint 60, MELAdem 56 M

Product details // Technical data:

Model	double door large steam sterilizer
Door hinge	left OR right-hand side (must be specified with order)
Dimensions (w x h x d)	65 x 160 x 101 cm
Chamber size	ø 44 cm x length 74 cm
Chamber volume	110 liters
Capacity	1 sterilization unit
Load quantity	max. 35 kg instruments / 7 kg textiles
Weight	298 kg
Power supply	3x380-415 V, 50/60 Hz
Power input	10.500 W

Downloads:

- Brochure Cliniclave-Series
- User Manual Cliniclave 45 D
- Installation instruction

3.17 Cliniclave 45 MD



Product description:

MELAG Cliniclave 45 MD (inc. sub-cabinet and CF-Card)

Innovative double door large steam sterilizer (2 STU) with DRYtelligence® technology

Decades of experience in developing solutions for instrument reprocessing lead to the most innovative large steam sterilizers: the Cliniclave-Series!

The world-beating MELAG quality made in Germany means that Cliniclave 45 MD outperforms many other large autoclaves. The sterilization of larger quantities of instruments and textiles and their quick availability is one of the most important requirements in practices, clinics and hospitals. The large steam sterilizer Cliniclave 45 MD has the capacity of two sterilization units (STU) to accommodate up to 70 kg of wrapped instruments. The combination of extremely short operation times with our intelligent drying system DRYtelligence® guarantees the best-possible sterilization outcomes. The patented double jacket technology of Cliniclave 45 MD makes for record B-Class sterilization in 40 minutes (including drying).

The pass-through technology of Cliniclave 45 MD has been designed for clinics employing a multi-room concept. Fitted with a door on both the loading and removal sides, the concept of this large steam sterilizer ensures maximum safety using stream-lined working practices.

The new XXL colour-touch display of Cliniclave 45 MD permits easy batch approval; a CF card slot and two network interfaces enables you to choose from a range of different methods of storing log files.

These advantages make the Cliniclave 45 MD 205 litre autoclave unique:

- **Patented double jacket technology ensures record operating times:** Class B sterilization in a quick program of wrapped instruments takes only 28 minutes, the universal program about 50 minutes (inc. drying)
- **DRYtelligence® technology:** the new intelligent drying system guarantees perfect drying results while reducing drying times by up to 80 %
- **High load quantity:** two sterilization units (2 STU) for up to 70 kg of wrapped instruments or 14 kg of textiles
- **XXL colour-touch display:** documentation, approval and traceability via the display, with intuitive operating interface
- **Integrated documentation:** the integrated CF card slot and two network interfaces means no additional costs for documentation
- **Optimized workflow:** separation of the loading and removal sides ensures the highest hygiene standards
- **Flexibility:** freely configurable customization of the position of the door hinges, either on the left or right-hand side

To facilitate working with Cliniclave 45 MD experience, a compatible loading system and the MELAprint 60 are additional options: The loading system, consisting of a loading trolley, sliding rail, batch slider and push hook, makes for ergonomic operation. The additional MELAprint 60 prints barcode-labels to ensure traceability of the sterilized instruments.

HTML:

<https://www.melag.com/en/products/steam-sterilizers/cliniclave/cliniclave-45-md>
Learn more on melag.com

Keywords for web texts:

Cliniclave 45 MD, double door Large Steam Sterilizer, record operating times, double jacket technology, high load capacity, 2 Sterilization Units, chamber volume up to 205 liters, up to 70 kg wrapped instruments, XXL colour touch display, clearance directly at the autoclave, CF-Card-Slot, two network interfaces, DRYtelligence®, patented intelligent drying, Shortening of drying times up to 80%, customizable door hinges, Label printer MELAprint 60, MELAdem 56 M

Product details // Technical data:

Model	double door large steam sterilizer
Door hinge	left or right-hand side (must be specified with order)
Dimensions (w x h x d)	65 x 160 x 163 cm
Chamber size	ø 44 cm x length 136 cm
Chamber volume	205 liters
Capacity	2 sterilization units
Load quantity	max. 70 kg instruments / 14 kg textiles
Weight	384 kg
Power supply	3x380-415 V, 50/60 Hz
Power input	13.500 W

Downloads:

- Brochure Cliniclave-Series
- User Manual Cliniclave 45 MD
- Installation Instruction

Video:

- Product video Cliniclave 45 MD

<https://www.youtube.com/watch?v=jIAiesfLKnw&index=5&list=PLhs76F2Ef2EoVDjZ7ysrT321629keID66>

4 Documentation

4.1 MELAtrace



Product description:

MELAG MELAtrace Software

Intuitive documentation and approval software

MELAtrace guarantees reliable documentation in a safe, fast, and paperless fashion. The batches of the washer-disinfector and the steam sterilizer are monitored and linked together in order to ensure complete documentation and traceability of the entire decontamination process in practice and clinic. To achieve the best-possible transparency, the MELAtrace software can administer the instrument loading of the washer-disinfector MELAtherm 10, the MELAG autoclaves and the DAC Universal.

The intuitive operation concept of MELAtrace enables the practice team to approve the sterilized load within seconds. If connected to MELAprint 60, printing barcode labels is simple and ensures the traceability of sterilized instruments to patients. All program logs and batch approvals of the entire reprocessing procedure are stored on the computer or network. The overall decontamination protocol, created by MELAtrace, will be automatically saved as a tamper-proof PDF file.

These advantages make MELAtrace the best solution for the documentation, approval and traceability of your instrument decontamination process:

- **No extra costs:** no license fees or signature costs are required
- **Intuitive and user-friendly** approval software due to touch-screen function
- **Legally-compliant and tamper-proof** log files and decontamination protocols
- **Automatic e-mails to technicians** in case of malfunction logs

HTML-Code:

[Learn more on melag.com](https://www.melag.com/en/products/documentation/melatrace)

System requirements:

Operating system:	Windows 7 SP1, Windows 8.1, Windows 10, Windows Server 2008 SP2, Windows Server 2012
Processor:	min. 1 GHz (x86) bzw. 1,4 GHz (x64), recommended: 2 GHz Multi-Core processor
RAM:	min. 1 GB, recommended: 4 GB
Free hard drive space:	min. 7 GB
Drive:	DVD-Drive or USB-Stick

Keywords:

MELA*trace*, modern and innovative documentation and approval software throughout the entire reprocessing workflow, intuitive documentation and treatment chain, reprocessing log as tamper-proof pdf-document, no additional costs, no license fees, one-time investment, for all MELAG-devices and DAC Universal, user-friendly and comprehensible software solution, generation of E-Mails in case of error logs, innovative features

Downloads:

- Brochure: Documentation
- User Manual MELA*trace*

Video:

- Product video: Workflow
<https://www.youtube.com/watch?v=gGPjGxosNk0>