Vacuclave® 550
Something BIG is coming: The large small autoclave.

XL

Great for the environment. Great for you.

Quality – made in Germany

More space. More benefits. More WOW.

For big jobs.
With little effort.

MELAG shows what it means to reinvent sterilization over and over again: Thanks to the extra-large chamber and pioneering innovations, you'll be ready for all tasks with Vacuclave® 550. Discover the advantages of our new 50 liter autoclave for energy-efficient, time- and cost-saving sterilization of your instruments:

Options? Unlimited!

Your instruments deserve greatness: The new XL chamber design, record cycle times and high loading capacities offer maximum versatility - and even more space for instruments up to 25 kg and 16 trays.

Loves your instruments. And the environment.

Sustainability through innovation: Due to the patented heat Recovery, DRYtelligence® drying and water-saving Coolify Technology, Vacuclave® 550 is the best solution - for your budget and the environment!

And the best thing: You save money.

Offers more, demands less: Vacuclave® 550 is not only significantly cheaper to buy than two alternative small autoclaves, but also reduces ongoing operating costs for maintenance and validation.

Universal-B Programm

Recovery

83.9 °C
-0.459 bar

Evakuierung
Ende 12:35 Uhr

Vacuclave® 550

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.

Large chamber. Huge benefits.

Opens up new possibilities:
More instruments.
In shorter time.

Turn 2 into 1 - Compared to two alternative small autoclaves, Vacuclave® 550 ensures significantly more capacity with a 40 % smaller footprint. Discover our product highlights for the sterilization of the maximum number of instruments in the minimum amount of space in record time:

Impressive speed

Record operating times of just 12 minutes (excl. drying) and the highest quality of saturated steam – that's what the Double Jacket Technology stands for. A MELAG patent since 2012.

Intelligent drying

DRYtelligence® makes for perfect drying results whilst shortening the drying time by up to 80 %.

Outstanding capacity

More space for instruments up to 46 cm long: Sterilize a load of up to 25 kg on 16 trays or up to 10 MELA*store*® Boxes.

Uncompromising comfort

Definitely smarter! With the extra-large Smart-Touch Display, operation is as easy as using your smartphone.

Traceable documentation

Bye Bye sterilization logbooks! ProControl allows you to document the batch approval directly via the Smart-Touch Display without any extra software.

All round flexibility:

We offer 3 loading options so that every practice or clinic can organize the workflow in the way that suits them best. With our optional slide system, we guarantee the highest level of ergonomics, safety and comfort during loading and unloading.
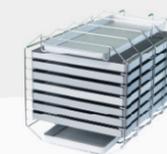
Mount Basic for up to 16 trays

for the sterilization of the maximum number of unwrapped and wrapped instruments

Loading slide for up to 10 MELA*store*® Boxes

for convenient loading and unloading of the autoclave with sterilization containers

Loading slide with Mount Comfort for up to 16 trays

for maximum capacity and ergonomics when reprocessing individual instruments

The eco-friendly solution:
Save the planet.
And over 10,000 €.

Vacuclave® 550 proves true greatness: The new 50 liter autoclave combines environmental protection with economy. Save electricity, water and thus a lot of money with our future-oriented innovations:

R**eco**very

The patented system for heat recovery deploys the heat from the used steam to generate new steam. The Recovery Technology not only reduces energy consumption by 15 % per cycle, but also heat dissipation into the decontamination room.

DRYtelligence®

Rely on perfect results: DRYtelligence® optimally adapts the drying process to your load. The intelligent algorithm reduces the drying time by up to 80 % – and thus saves a lot of time, money and energy.
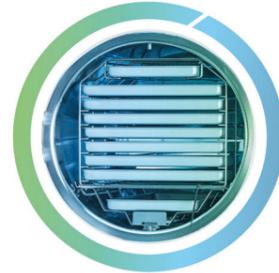
Coolify

100 % reliability with 0 % cooling water – the patented Coolify Technology combines highly efficient air cooling with smart temperature monitoring. This allows you to enjoy your autoclave and the environment for a long time to come!

Power Safe

Vacuclave® 550 convinces with top energy efficiency during sterilization and in stand-by mode! Power Safe puts the heating and display into an energy-saving mode between sterilization cycles.

MELAG

Vacuclave® 550

Deutsches Institut für Nachhaltigkeit und Ökonomie

COMMITMENT TO SUSTAINABILITY

SEAL OF APPROVAL
Investing in the future
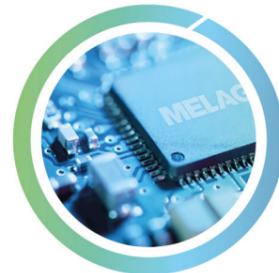
* After approx. 14 years (with 5 cycles per day) compared to two conventional small autoclaves without the technologies presented.

-2,200 €
More power, less energy!
The four technologies presented here allow the powerful Vacuclave® 550 to save energy worth around 2,200 €.*

-2,600 €
Saving water also means: saving money!
Vacuclave® 550 saves 1,300,000 liters of water over the entire lifespan compared to fixed water devices.*

-6,100 €
Because fewer devices result in lower costs!
The service-friendly device concept halves the costs for maintenance and validation.*

-10,900 €*
These are over 10,000 good reasons to choose Vacuclave® 550:
Arrange a live sales demo in person or online in order to reduce your operating costs in the long-term!

For your safety: Everything from one source.

The MELAG System Solution.

Your decontamination room – the place where you ensure patient safety!

Our washer-disinfectors, sealing devices, autoclaves and software solutions turn your dreams of optimized workflows into reality. The perfect interplay of MELAG System Solutions allow you to achieve greater time 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

Vacuclave® 550 – Unique as a product, unbeatable in a system:

✅ Cleaning & disinfection with **MELAtherm®**

✅ Packaging with **MELAseal®** or **MELAstore®**

✅ Steam sterilization with **Vacuclave® 550**

✅ Documentation & approval with **MELAtrace®**

✅ Marking with **MELAprint® 80**

Accessories for Vacuclave® 550
As versatile as your needs.

A variety of accessories enables you to assemble the configuration which best suits your needs.
Ideally aligned to your workflow, Vacuclave® 550 maximizes safety and efficiency in infection control!

More capacity?

Our Cliniclave® 45 series ensures maximum flexibility with a capacity of one or two sterilization units (StU) as well as one or two door device version.

Loading

To make the best use of the sterilization chamber, we offer ideal loading systems for all application scenarios.

Mount Basic for up to 16 trays

- ✓ for 7 trays for Vacuclave® 550 and 2 long trays
- ✓ for 14 short and 2 long trays

Loading slide for up to 10 MELAstore® Boxes

- ✓ for 10x MELAstore® Box 100
- ✓ for 7x MELAstore® Box 200 and 1x MELAstore® Box 100

Loading Slide with Mount Comfort for up to 16 trays

- ✓ for 7 trays for Vacuclave® 550 and 2 long trays
- ✓ for 14 short and 2 long trays

Documentation

Vacuclave® 550 guarantees legally compliant documentation and approval with integrated USB and network interfaces.

MELAtrace®

enables the professional documentation, approval and traceability of the entire reprocessing procedure without annual license and signature fees.

MELAprint® 80

prints barcode labels for optimal instrument marking and traceability.

USB Stick

documents all Vacuclave® 550 sterilization logs quickly and easily on a digital storage device.

Water treatment

MELAdem® water treatment systems deliver high-quality demineralized water to protect both your autoclave and your instruments.

MELAdem® 47

is a powerful reverse osmosis system to supply Vacuclave® 550 with demineralized water.

MELAdem® 53

is a water treatment system with a very high capacity for Vacuclave® 550, MELAtherm® and up to two further devices.

Filling Pump

for water supply from an external tank with demineralized water

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Further accessories

Our optional accessories enable a safe and time-saving sterilization and optimal care of your autoclave.

Chamber Protect

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

MELAcontrol® Helix

With 250 indicator strips provides reliable proof of your sterilization results.

MELAstore®

guarantees a packaging process with huge time savings through standardization as well as a reduction in material costs and practice waste.

Facts and figures at a glance
Technical specifications

Vacuclave® 550 guarantees fast sterilization of large quantities of instruments with a wide range of programs:

Programs*		Operating times (with minimum to maximum load) **	Drying	
			DRYtelligence® ***	Time-controlled
Universal-B	134 °C, Holding time: 5,5 min	13 – 43 min	> 4 min	13 min
Quick-S	134 °C, Holding time: 3,5 min	12 – 33 min	> 4 min	13 min
Gentle-B	121 °C, Holding time: 20,5 min	25 – 62 min	> 4 min	13 min
Prion-B	134 °C, Holding time: 20,5 min	28 – 58 min	> 4 min	13 min

* The programme parameters may differ due to country-specific regulatory requirements. Please refer to the user documentation.
** The times in 13-amp operation can be extended by up to 10 minutes
*** DRYtelligence® automatically adapts the drying process to your load. Thanks to intelligent drying, optimal drying results are achieved at all times.

Vacuclave® 550 can be installed quickly and easily as a table top autoclave in any decontamination room. The following list gives you an overview of the installation requirements:

	15 amp operation	13 amp operation
Order no.	ME10550	
Chamber size	ø 38 cm x 45 cm long	
Chamber volume	53 liters	
Loading quantity	25 kg unpacked, 11 kg packed, 17.5 kg with MELAstore®, 3.5 kg textiles	17,5 kg unpacked, 9 kg packed, 14 kg with MELAstore®, 2 kg textiles
Device dimensions (W x H x D)	63,6 x 59,0 x 71,5 cm height incl. display 65 cm device fits on a 60 cm table top	
Weight	98 kg (operating weight up to 127 kg)	
Power supply	220 – 230 V / 50 – 60 Hz	
Power consumption	3.400 Watts	2.700 Watts
Documentation interfaces	USB, Network	

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**

MELAG
competence in hygiene