MELAG
competence in hygiene

Careclave

The revolution of instrument reprocessing



✓ Cleaning & Disinfection ✓ Lubrication
✓ Sterilization ✓ Documentation

4in1 solution

Quality – made in Germany

Redefining instrument reprocessing

Time to care

Rethink everything you know about instrument reprocessing: Careclave revolutionizes the workflow in dental practices and clinics. Discover the advantages of our worldwide unique 4-in-1 Solution:



Maximum safety for patients and personnel alike

Do not make any compromises in your hygiene standards: Careclave ensures the reprocessing of up to 200 handpieces and further instruments in a single practice day.

Wellness for your instruments

Protect your precious instruments against wear: Careclave provides the best-possible care for your transmission instruments and chuck systems.





No space in your decontamination room? No problem!

Free up new space in your decontamination room: Careclave requires up to 45 % less space, as it combines a number of devices in one.

And the best thing: You save money

Benefit from our cost-saving 4-in-1 Solution: Careclave reduces maintenance and service costs and the number of instrument sets you need.





+ Washer-disinfector
+ Lubrication unit
+ Steam sterilizer
+ Documentation & approval

= **Careclave**

Careclave complies with the standards for washer-disinfectors (EN ISO 15883) and steam sterilizers (EN 13060).

Discover the product highlights of the 4-in-1 Solution in our video:

www.melag.com/en/multimedia

Time to care for

#Patients

Feel good – not just about instrument reprocessing, but also about patient treatment!

The standard compliant reprocessing of handpieces and turbines often poses a challenge in terms of time and money. But that will now come to an end: Nine years of intensive research and development have brought together what belongs together.

Careclave combines the entire reprocessing workflow in only one device in order to provide the highest level of safety and efficiency.

No more compromises in instrument reprocessing – with Careclave, you can simply concentrate on what really matters:
Your patients!



1. Cleaning & disinfection

The perfect duo for your workflow: Careclave and Carebox guarantee the best cleaning and disinfection outcomes for the reprocessing of 8 transmission instruments, prophylaxis handpieces or ultrasonic scaler tips in only 16 minutes.



2. Lubrication

The Carebox not only ensures perfect care of your transmission instruments, but minimizes wear. And that is not all: The unique ADDcare station even performs the lubrication of the chuck system directly at Careclave after the end of a program.

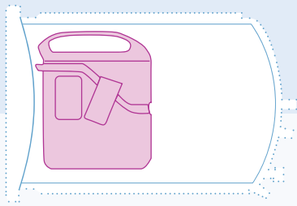
3. Sterilization

Careclave also provides everything you expect from a modern Class B steam sterilizer – and even more: Sterilize up to 11 kg of instruments in record time due to the patented Double Jacket Technology and DRYtelligence.

4. Documentation & approval

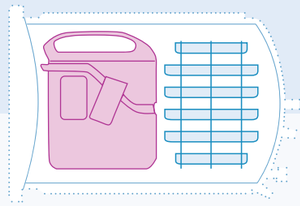
Perform the documentation process directly on the large Smart-Touch Display without any extra software solution. ProControl provides digital proof of a successful reprocessing procedure quickly, safely and paper-free via an USB flash drive or network.

Versatile loading options at a glance



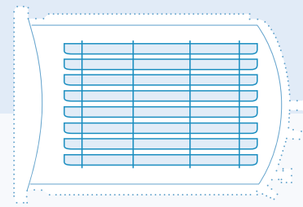
Carebox

Do you need transmission or prophylaxis instruments for the next treatment as quickly as possible? Then reprocess up to 8 hollow body instruments in your Carebox.



Carebox & trays

Would you like to enhance the efficiency of your staff? Then benefit from reprocessing and lubrication in the Carebox and sterilization of up to 6 trays for further instruments in just one cycle.



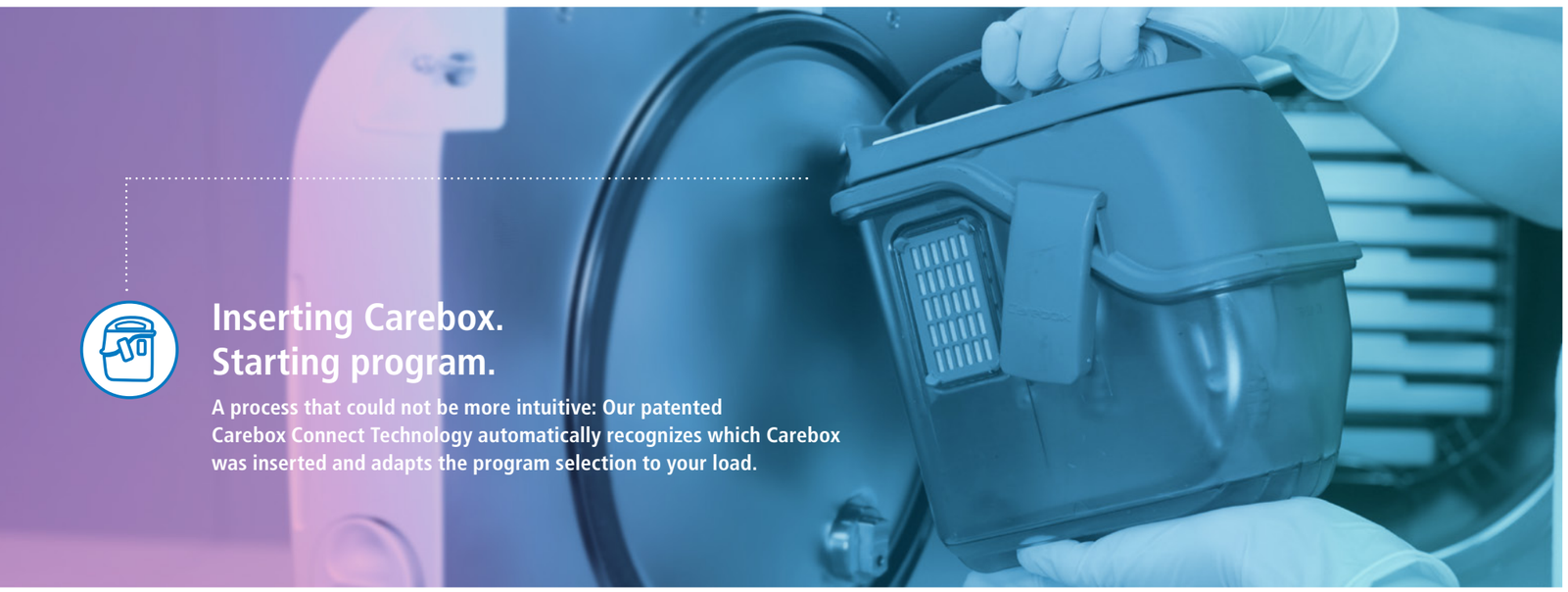
Long trays

Do you need maximum capacity for the sterilization of your instruments? Then simply load up to 11 kg of instruments on 8 trays or 4 MELA*store* Boxes into Careclave.



Protecting chuck systems.
Reducing service costs.

The ADDcare station, ergonomically integrated into the door of Careclave, ensures the vital care for your instrument heads.



Inserting Carebox.
Starting program.

A process that could not be more intuitive: Our patented Carebox Connect Technology automatically recognizes which Carebox was inserted and adapts the program selection to your load.



1x Care Oil inserted.
1,000x instruments lubricated.

The fully-synthetic MELAG Care Oil is not only economical in its consumption, but also guarantees the best-possible lubrication. Thanks to the patented iDOS dosing procedure, the required amount of oil is supplied to each instrument in the Carebox with pinpoint accuracy.

Time to care for

#Instruments

Smooth running – Careclave helps to increase the life span of your instruments and reduces service costs.

Cleaning and care are the basis for the reliable function and long life span of your valuable instruments. Achieve this result with only one device: The pioneering technology of the new Careboxes guarantees perfectly-prepared instruments between patient treatments.
The excellent reprocessing outcomes have been verified by an independent laboratory.



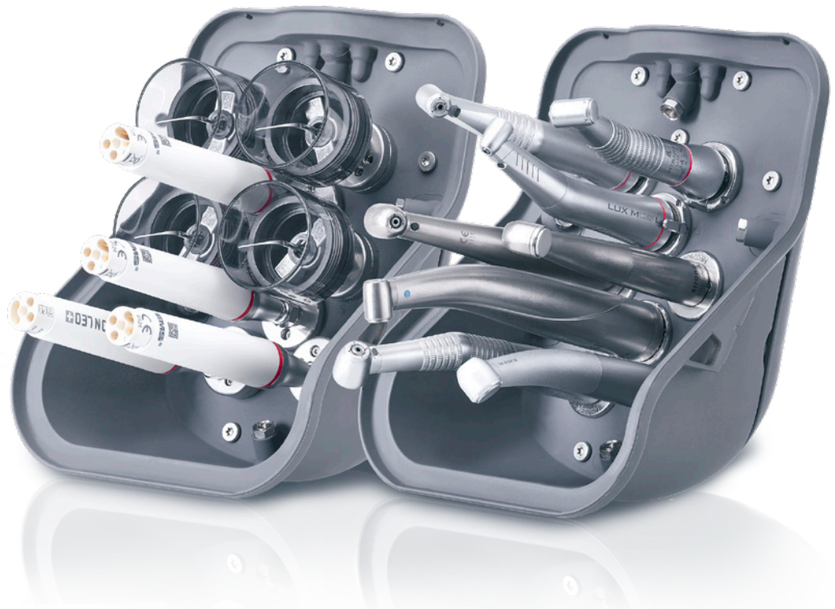
Carebox Green

for the safe reprocessing of up to 8 prophylaxis handpieces and ultrasonic scaler tips with torque wrenches.



Carebox Blue

for the safe reprocessing and reliable lubrication of up to 8 turbines and handpieces.



Time to care for

#Yourself

Four process steps in one single device, promising advantages for you.

Why use 4 products for instrument reprocessing when you can do everything with one single device? Careclave saves time, money and space in comparison to conventional device combinations from day one in your dental practice and clinic:

Lower service costs:

Fewer devices mean lower costs: Careclave is not only more affordable to purchase, but also saves you extra maintenance and validation outlay associated with having further devices.

45 %

More space in your decontamination room:

Your team knows workspace in the decontamination room is precious: Removing the need for an additional lubrication device, Careclave allows you to have significantly more space for safe instrument reprocessing.

33 %

More transmission instruments per cycle:

Careclave is a sprinter: The reprocessing of 8 hollow body instruments in only 16 – 18 minutes guarantees quick re-availability and thus reduces the need for investment in additional instruments.



Unbeatable affordability

With cycle costs of under 1 Euro for electricity, water, compressed air and oil, the reprocessing and lubrication costs less than 12 Cents per handpiece.

Our priority is your satisfaction

We have subjected Careclave to exhaustive testing - running over 40,000 cycles in continuous operation on specially developed test rigs as well as over a year in test practices and clinics with a wide range of patient and instrument volumes:



"Cleaning, disinfection, lubrication and sterilization in just a single device - my team has been thrilled about the new device concept since 2019."

iDentis
Dr Thorsten Wilde



"7 days a week we are there for our patients. Only for our patients! Because Careclave takes over the reprocessing between the treatments in a time-saving way."

Practice berliner MundArt
Dr Lars Eichmann



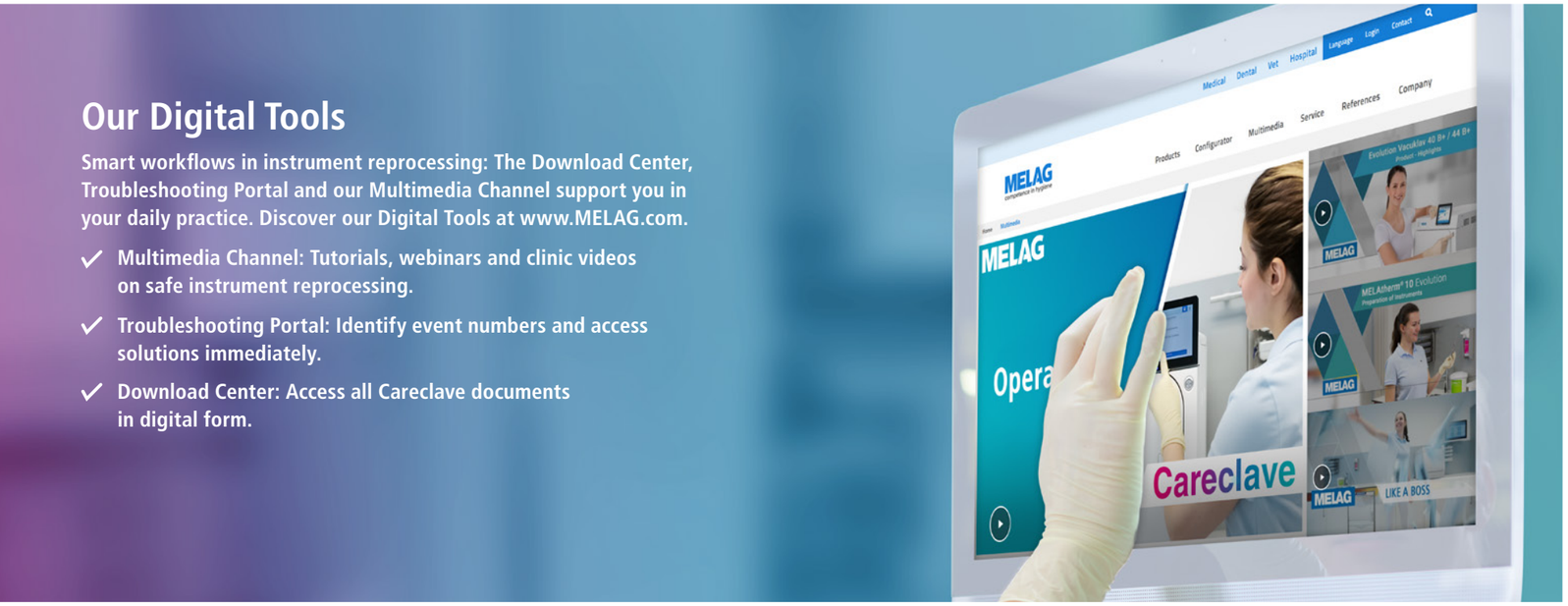
"Maximum reprocessing and lubrication with a minimum effort – we never want to work without Careclave again!"

Dentists Feuerlandhöfe
Dr Nicolas Wackerbeck



Double Jacket Technology & DRYtelligence

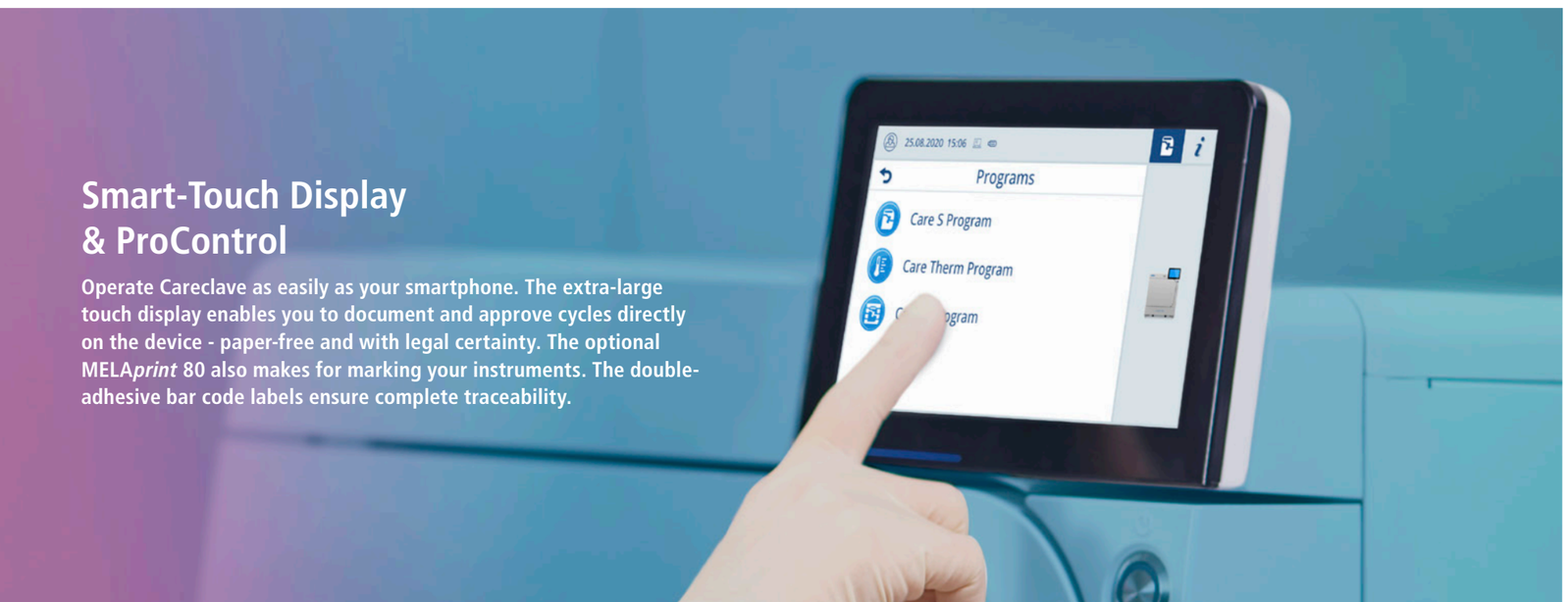
You need to rely on perfect sterilization and drying results? Then take advantage of the unique double jacket chamber concept and algorithm-controlled drying. These patented innovations permit a maximum load of 11 kg – a volume of instruments for which other devices need two or more cycles.



Our Digital Tools

Smart workflows in instrument reprocessing: The Download Center, Troubleshooting Portal and our Multimedia Channel support you in your daily practice. Discover our Digital Tools at www.MELAG.com.

- ✓ **Multimedia Channel: Tutorials, webinars and clinic videos on safe instrument reprocessing.**
- ✓ **Troubleshooting Portal: Identify event numbers and access solutions immediately.**
- ✓ **Download Center: Access all Careclave documents in digital form.**



Smart-Touch Display & ProControl

Operate Careclave as easily as your smartphone. The extra-large touch display enables you to document and approve cycles directly on the device - paper-free and with legal certainty. The optional MELA*print* 80 also makes for marking your instruments. The double-adhesive bar code labels ensure complete traceability.

The foundation for real innovation

70 years of experience in infection control

You have invested many years in earning the trust of your patients through high-quality work. We take the same approach! Our promise of superior quality "Made in Germany" in conjunction with the consistent pursuit of innovations has led to over 600,000 happy clients. Thousands of practices and clinics throughout the world have placed their trust in MELAG System Solutions for over 70 years.

Would you like to find out more about the unique Careclave product highlights? Then get in touch with our hygiene experts. Working together, we can realize your ideas for the best-possible reprocessing workflow.

Live chat

Send your questions to us quickly and easily via our live chat on www.melag.com. We will find the best solution to fit your needs.

Online live demo

Video sessions save time, help to protect the environment and provide you with an even more detailed insight into our 4-in-1 Solution.

On site visit

Our hygiene experts and authorized retailers in your region are happy to visit your practice or clinic to provide individual and free-of-charge consultation.

For your safety: Everything from one source.

The MELAG System Solution

Your decontamination room – the place where you ensure patient safety

The perfect alignment of the MELAG System Solution saves even more time and money in instrument reprocessing. Discover the advantages of the MELAG washer-disinfectors, sealing devices and software solutions ideally aligned to Careclave:

Personal:
One central contact to answer all your instrument reprocessing questions

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

Process optimized:
An aligned operating concept to avoid malfunctions in everyday practice



Careclave - Unique as a product, unbeatable in a system



✓ Cleaning & disinfection with **MELA*therm***



✓ Packaging with **MELA*seal*** or **MELA*store***



✓ Reprocessing & lubri cation with **Careclave**



✓ Documentation & approval with **MELA*trace***



✓ Labelling with **MELA*print* 80**

Accessories for Careclave

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, Careclave maximizes safety and efficiency in infection control!



Everything began with an idea: Our video introduces the faces behind Careclave.

www.melag.com/en/multimedia

1. Select your load:

We provide versatile loading systems for all application scenarios to ensure the optimal use of the reprocessing chamber.



Carebox Green

for the reprocessing of hollow body instruments which do not require oiling. Configure the Carebox Green with up to 8 adapters for ultrasonic scaler tips and prophylaxis handpieces.



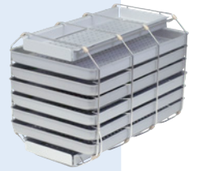
Carebox Blue

for the reprocessing and lubrication of transmission instruments. Align the Carebox Blue to your handpieces and turbines using up to 8 adapters.



Mount with short trays

for the sterilization of extra instruments in addition to reprocessing of a Carebox in one cycle. Choose between a mount with 6 or 8 trays.



Mount with long trays

for the sterilization of up to 11 kg of instruments. Use the mount for 8 long trays to take advantage of the maximum sterilization capacity.

2. Select your water treatment:

MELA*dem* water treatment units supply high-quality demineralized water to ensure the best possible value-retention of Careclave and your instruments.



MELA*dem* 53 / 53 C

is a water treatment unit with a very high capacity for Careclave, MELA*therm* and up to two further devices.



MELA*dem* 47

is an efficient reverse-osmosis water treatment system for Careclave in practices and clinics with a static water pressure of over 3 bar relative.



Pressure increase pump

guarantees the connection of a MELA*dem* 47 to Careclave and a further steam sterilizer when the static water pressure is under 3 bar relative.



MELA*jet*

enables the instruments to be sprayed with demineralized water.

3. Select further accessories for an optimal workflow:

Using Careclave means that your instruments are always prepared perfectly for the next patient. Our optional accessories enable an even safer and faster reuse of your instruments:



Cooling Box

guarantees cool instruments in only 4 minutes after their reprocessing in the Carebox.



MELA*print* 80

prints bar code labels for optimal instrument marking and traceability.



MELA*trace*

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



MELA*control*

is a helix test system with 250 indicator strips that provides reliable proof of sterilization.

All numbers and facts at a glance

Technical data

With a wide range of different programs, Careclave guarantees optimal instrument reprocessing and lubrication. This section provides information about the Careclave mode (with an inserted Carebox) and Vacuclave mode (without a Carebox):

Careclave mode	Description	Cycle time incl. drying
Care-Therm Program	Cleaning inside and outside, thermal disinfection, lubrication (if necessary) of the instruments in Carebox	16 – 18 min
Care-S Program	Cleaning inside and outside, lubrication (if necessary), sterilization (134 °C, plateau time 3.5 min) of the instruments in Carebox	21 – 23 min
Care-B Combi Program	Cleaning inside and outside, lubrication (if necessary), additional sterilization (134 °C, plateau time 5.5 min) of the instruments in Carebox and on the trays	33 – 43 min

Vacuclave mode	Description	Cycle time plus drying *
Universal-B Program	Sterilization (134 °C, plateau time 5.5 min) of wrapped or double wrapped instruments up to 11 kg	13 – 22 min
Quick-S Program	Sterilization (134 °C, plateau time 3.5 min) of unwrapped instruments up to 7 kg	9 – 15 min
Gentle-B Program	Sterilization (121 °C, plateau time 20.5 min) of wrapped or double wrapped instruments up to 7 kg	27 – 37 min
Prion-B Program	Sterilization (134 °C, plateau time 20.5 min) of wrapped or double wrapped instruments up to 11 kg	28 – 37 min

* DRYtelligence automatically adapts the drying process to your load. Intelligent drying not only achieves the best-possible drying results, but reduces the drying time by up to 80%.

Careclave can be installed quickly and easily in every decontamination room. The following list provides an overview of the installation requirements in terms of electricity, water and compressed air:

Technical data	Careclave 618
Article number	ME10618
Device dimensions (W x H x D)	48 cm x 50 cm x 65.3 cm, height incl. display 56.2 cm, Careclave fits on a 60 cm deep work surface
Weight	69 kg
Chamber size / volume	Ø 25 cm x 34,9 cm long / 18 L
Chamber load quantity	max. 11 kg instruments / 2 kg textiles
Carebox load quantity	max. 8 hollow body instruments
Power supply	220-240 V, 50 Hz
Power consumption	3 kW
Compressed air	4 – 8 bar (compressed air in accordance with ISO 7494-2)
Feed water supply	max. 35 °C, 1 – 10 bar, additional water treatment required
Documentation interfaces	USB, network

PR-CARECLAVE-EN I Rev.4

Save paper and protect the environment:
To save paper, we provide the user documentation for Careclave electronically in our download center.
For further information please visit: **www.melag.com**

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