

Operating Manual

Steam sterilizer

Vacuklav[®] 41 B+ Vacuklav[®] 43 B+

as of software version 3.098



Please read this Operating Manual before you start operation of the steam sterilizer. The instructions include important safety information. Make sure to keep the Operating Manual near to the steam sterilizer. It represents a component of the product.

We reserve the right to technical alterations





Safety Instructions

To operate the steam sterilizer, pay attention to the following safety instructions given below.

- | | |
|---|--|
| <i>Appropriate use</i> | ■ Do not sterilize any liquids with this steam sterilizer. |
| <i>Power cable and mains socket</i> | ■ Never damage or alter the plug or mains cable.
■ Never operate the steam sterilizer if the mains cable or power plug are damaged.
■ Never unplug by pulling on the power cable. Always take a grip on the plug. |
| <i>Double-jacket steam generator</i> | ■ When the device has been switched off, the double-jacket steam generator continues to be under pressure for some time. Check the pressure display of the manometer located on the steam sterilizer lower front side. |
| <i>Set-up installation and commissioning</i> | ■ Only have the steam sterilizer set up, installed, and commissioned by people authorised by MELAG.
■ Only operate the steam sterilizer in areas which are not subject to explosion hazards.
■ The connections for electrical provision and water supply and discharge must be set-up by trained personnel.
■ Documentation media (computer, CF card reader etc.) must be placed in such a way that they cannot come into contact with liquids. |
| <i>Preparation and sterilization of textiles and instruments</i> | ■ Follow the instructions of the textile and instrument manufacturers for preparing and sterilizing textiles and instruments.
■ Only use wrapping materials and systems which are suitable for steam sterilization according to the manufacturer's information. |
| <i>Program termination</i> | ■ Take heed that when opening the door after terminating a running program, hot water steam can escape out of the chamber, depending on when the program was terminated.
■ Depending on the time of the program termination, the load might not be sterile. Observe the clear instructions shown on the display of the steam sterilizer. If necessary, sterilize the affected objects after rewrapping. |
| <i>Removal of the items to be sterilized</i> | ■ Never use force to open the door.
■ Use a tray lifter to remove the tray. Never touch the sterilized items, the chamber or the interior of the door with unprotected hands. The parts are hot.
■ Check the wrapping of the sterilized objects for damage when removing them from the steam sterilizer. If a wrapping is damaged, wrap the object again and re-sterilize it. |
| <i>Maintenance</i> | ■ Have the maintenance done only by authorised persons.
■ Maintain the specified servicing intervals. |
| <i>Carrying the steam sterilizer</i> | ■ Two people are necessary to carry the steam sterilizer.
■ Use a suitable carrying strap to transport the steam sterilizer. |
| <i>Malfunctions</i> | ■ If repeated error messages occur while operating the steam sterilizer, turn the device off.
■ Only have the steam sterilizer repaired by authorised persons. |

Proper use

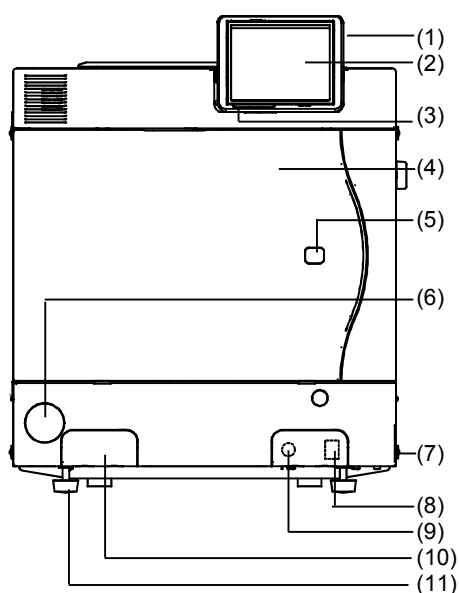
The steam sterilizer is intended for use in the medical field, e.g. in clinics, and in physician and dental practices.

According to DIN EN 13060 this steam sterilizer is considered a Class B sterilizer. It is suited as a universal steam sterilizer for demanding sterilization tasks. For instance, you can sterilize narrow-bore instruments and transmission instruments – wrapped or unwrapped – and larger quantities of textiles.

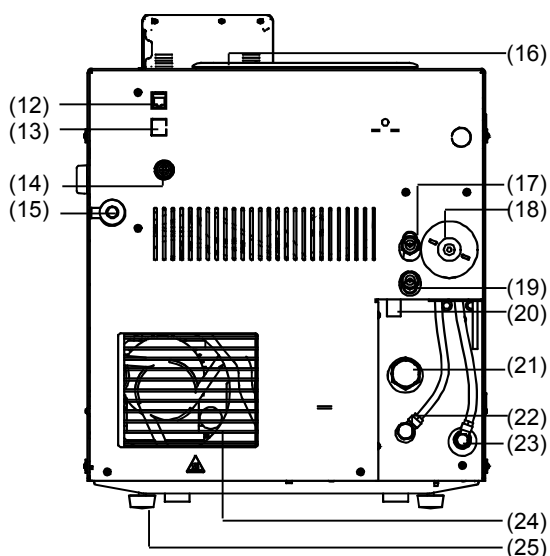
**Observe the following instructions for using the steam sterilizer:**

- Do not sterilize any liquids with this steam sterilizer. It is not approved for the sterilization of liquids.

Failure to observe these instructions may lead to delayed boiling, damage to the steam sterilizer and burns.

Views of the device**Front**

- (1) Slot for the CF card
- (2) Colour-Touch-Display
- (3) LED status bar
- (4) Door (opens to the left)
- (5) Cap for emergency opening of the door
- (6) Protective cap for manometer to display the pressure of the double-jacket steam generator
- (7) Mains switch (concealed, accessible from the side)
- (8) Ethernet-Data connection 1*
- (9) Reset button for overheating protection*
- (10) Quick-fitting connection for emptying the storage tank*
- (11) Front foot of the unit (adjustable)
- (12) Ethernet-Data connection 2

Rear

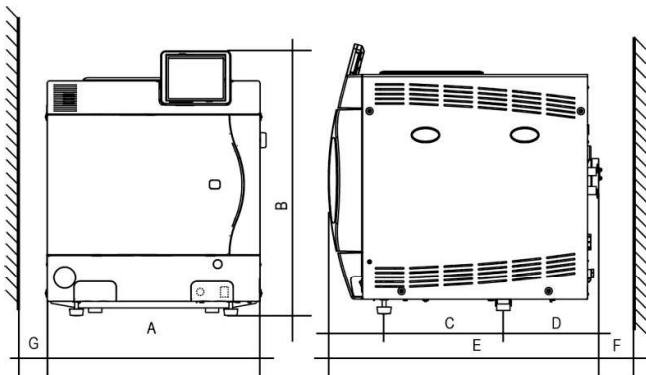
- (13) Ethernet-Data connection 3 (can be retrofitted)
- (14) Optional connection of the Flex Display
- (15) Mains power cable
- (16) Tank cap
- (17) Safety valve, chamber
- (18) Sterile filter
- (19) Safety valve, double-jacket
- (20) Emergency overflow
- (21) One-way drain
- (22) Connection pressure discharge
- (23) Feed water intake (for MELAdem®, swivelling threaded fitting for hose Ø8x1, alternatively straight)
- (24) Fan
- (25) Rear foot of the unit (fixed)

*hidden behind the white cover

Pre-conditions for the set-up, installation and commissioning

- Only have the steam sterilizer set up, installed, and commissioned by people authorised by MELAG.

Set up the steam sterilizer in a dry and dustproof location. The relative humidity should amount to 80% at 31 °C, decreasing in a linear fashion up to a relative humidity of 50% at 40 °C. We recommend an ambient temperature of between 5-40 °C (recommended max. 25 °C).

Space requirements			Vacuklav® 41 B+	Vacuklav® 43 B+
	Width		A = 47 cm	A = 47 cm
	Height		B = 56,5 cm*	B = 56,5 cm
			C = 25 cm	C = 36.5 cm
	Depth		D = 18 cm	D = 2218 cm
			E = 57,5 cm	E = 69 cm
			F = 10 cm	F = 10 cm
			G = 5 cm	G = 5 cm

* with Flex Display B=50 cm (dimensions to upper edge of the steam sterilizer without display)

The space requirements for the steam sterilizer correspond to its dimensions plus at least 5 cm on the side and 10 cm at the back side. The steam sterilizer should be freely accessible from above, so that the built-in storage tank can be filled and a good ventilation is guaranteed. For a fault-free operation, the steam sterilizer must be set up with a **distinct** tilt back. Starting from a horizontal position (check by using a water level at the chamber flange) the front feet of the unit must be screwed out by about three rotations for the Vacuklav®41 B+ and five rotations for the Vacuklav®43 B+.

Establishing connections

Electrical connection

Electric circuit with 220-240 V (max. voltage range 207 - 253 V) and 50/ 60 Hz; at least 15 A separate fuse protection (UK, Ireland, Malaysia at least 13 A); Protection from leakage current 30 mA.

The power socket must be accessible after installation, so that the steam sterilizer can be disconnected from the power supply if necessary.

Waste-water drain

You can optionally connect the steam sterilizer via the pressure release connection or via the one way drain directly to the outflow. Follow the instructions in the Technical Manual.



NOTE

The drain must be located at least 30 cm beneath the steam sterilizer and be installed dip-free with continuous descent.

Supply with feed water

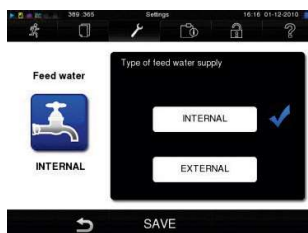
The steam sterilizer works in the gentle yet effective one-steam way water system. This means that it uses fresh purified feed water for every sterilization run for the steam generation. For this purpose the steam sterilizer gets the feed water either from the internal storage tank, which the practice team has refilled e.g. with distilled water from the MELAdes®65. Or it gets the feed water fully automatically from the water treatment unit MELAdem®40 or MELAdem®47.

The distilled or demineralized feed water must have a quality at least to DIN EN 13060, appendix C.

If you employ the internal storage tank for the feed water supply, you must fill it manually from time to time. At the given point in time, the steam sterilizer outputs an appropriate message.

Fill up the storage tank

Fill up the internal storage tank with fresh purified feed water of the respective quality. You can use the removable funnel insert to conveniently fill fresh feed water into the right chamber of the storage tank up to the MAX mark. The internal storage tank holds maximum 5 litres. This quantity of feed water suffices for up to 7 sterilizations.



According to whether the feed water supply comes from the internal storage tank or you have made the connection to a water treatment unit, choose the following settings on the display:

- Select **Settings** menu → **Device settings** → **Water supply**.
- Select **INTERNAL** if the supply is from the internal storage tank, or **EXTERNAL**, if you have made the connection to a water treatment unit.

Emptying both chambers of the storage tank

- Attach the drain hose on a quick-fitting connection (left of the waste water, to the right of the feed water), until this perceptibly engages.
- Drain off the water into a container with at least 5 litres holding capacity.

To remove the drain again, press the grey release knob at the quick-fitting connection. The hose detaches itself automatically from the connection. (Warning spring tension! Please stand to the side of the connection when removing the hose).

Preconditions for commissioning

- Trays and accessories must be removed from the chamber after switching on the steam sterilizer and before initial start-up.
- The feed water supply must be secured.
- The power supply of the steam sterilizer must be assured.

Record of installation and setting up

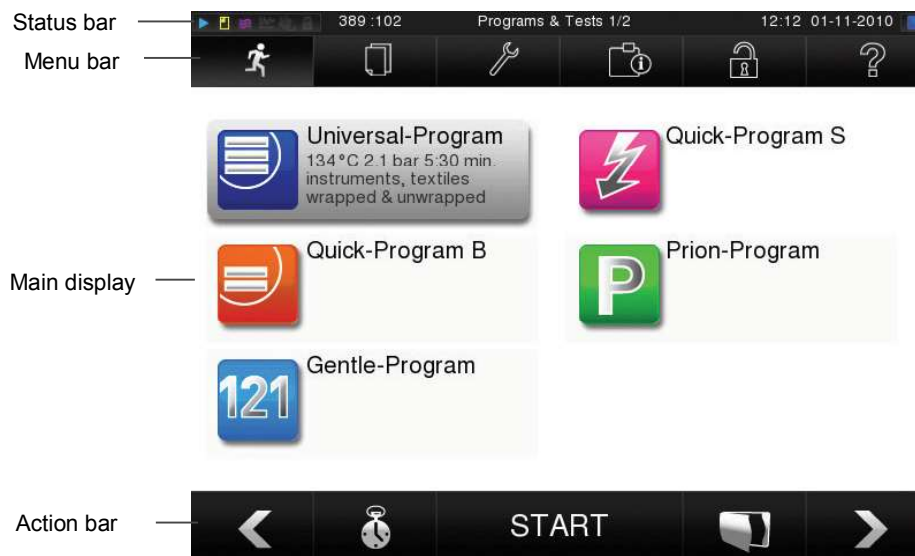









NOTE







As documentation of proper setting up, installation and setting up as well as for your warranty claim, the record of installation must be filled out by the person responsible and a copy sent to MELAG.









The control panel

The control panel consists of a coloured 5 inch Touch Display.



<i>Symbols in the status bar</i>	<i>Meaning</i>
 Programs/Tests	indicates a program/test is running
 Immediate output	indicates whether immediate output is activated/deactivated
 Additional drying	indicates whether supplement drying is activated/deactivated
 Graphic logs	indicates whether recording of graphic logs is activated/deactivated
 Energy-saving mode	indicates whether steam sterilizer is in energy-saving mode
 Service area	indicates whether a service technician is logged in to the service area
 CF card status	indicates whether a CF card is inserted and whether read or write access is in place

<i>Symbols in the menu bar</i>	<i>Meaning</i>
 Programs/Tests	all sterilization programs and tests are found here, e.g. vacuum test, Bowie & Dick Test etc.
 Log output	the entire log list, logs from a defined time period, e.g. daily, monthly, etc. or specific log types can be found here such as the option to delete logs
 Settings	various settings can be made, e.g. date and time, brightness etc. In addition, standard log settings for log output can be set here
 Info-/ status window	indicates information regarding software version and device dates, e.g. batch lot, maintenance counter, log settings, log memory and other technical values
 Service area	only for technicians
 Help menu	depending on the selected window and control status, gives information for control or function of the actual window

<i>Symbols in the action bar</i>	<i>Meaning</i>
 Door open	opens the steam sterilizer door
 Back	changes to the previous window
 Forward	changes to the next window
 Terminate/go back without saving	returns to the superior menu, closes the window without saving
 Zoom (+)	indicates additional details, e.g. additional values after the end of a program run
 Pre-selection start time	changes to the "pre-selection start time" menu
 Delete	deletes logs from the internal log memory / deletes the log printer or label printer stored as standard
 Find	finds the label printer(s)/log printer(s)

LED status bar

The status bar located on the border of the display indicates colours for various situations, e.g. in Standby during the running of a program or for warning or malfunction messages.

blue – Standby, program is running, drying has not yet begun

green – drying is running, program completed successfully

yellow – for warning messages, during access of the CF card

red – for malfunction messages, program not completed successfully

Prepare items to be sterilized

A significant prerequisite for safe disinfection and sterilization of sterilizing materials is the appropriate preparation, i.e. cleaning and maintenance of the sterilizing materials according to the manufacturer's instructions. Furthermore the materials, cleaning agents and processing procedure employed are of significance.



NOTE

If possible, sterilize textiles and instruments separately from each other in separate sterilization containers or sterilization packages. This way you achieve improved drying results.

Load the steam sterilizer

Only if the steam sterilizer is properly loaded can the sterilization be effective and the drying deliver good results.



NOTE

Use perforated trays made of aluminium, such as the trays from MELAG. Only this way can condensate run off. If you use closed materials or shell halves to bear the items to be sterilized, you risk bad drying results. Please note that the use of tray insertions made of paper can perhaps likewise lead to worse drying results.



Warning

Employ only packaging materials and -systems (sterile barrier systems), which satisfy the DIN EN ISO 11607-1 Standard, e.g. Standard-tray-cassettes or transparently wrapped sterilization packages.

Closed sterilization containers

Preferably use sterilization containers made of aluminium. Aluminium conducts heat well and thus accelerates drying.

Stack sterilization containers

Stack on top of each other, if possible, only sterilization containers of the same size and with respectively identical spacer feet, where the condensate can run off on the side at the walls.

Soft sterilization wrapping

Soft sterilization packages can be sterilized both in sterilization containers on trays or standing when using a package holder – do not place several soft sterilization wrappings flat on top of each other on the trays or in a sterilization containers.

Multiple wrapping

The steam sterilizer functions on the fractionated pre-vacuum method. This permits the use of multiple wrapping.

Mixed loads

For sterilizing mixed loads, observe the following instructions:






- Always place textiles on the top
- Sterilization containers at the bottom
- Unwrapped instruments at the bottom
- Transparently wrapped sterilization packages and paper packaging on the top – exception: in combination with textiles on the bottom
- Stack transparently wrapped sterilization packages if possible edgewise in such a way that alternately paper side lies on paper side and foil side on foil side; if this is not possible, then with the paper side facing downwards.





Overview of sterilization programs

	Universal-Program	Quick-Program B	Quick-Program S	Gentle-Program	Prion-Program
Sterilization temperature	134 °C	134 °C	134 °C	121 °C	134 °C
Sterilization pressure	2,1 bar	2,1 bar	2,1 bar	1,1 bar	2,1 bar
Sterilization time	5:30 min.	5:30 min.	3:30 min.	20:30 min.	20:30 min.
Operating time*	ca. 21 min.	ca. 14 min.	ca. 10 min.	ca. 36 min.	ca. 38 min.
Drying	12 min.	6 min.	2 min.	12 min.	12 min.

Selecting the program

Select the sterilization program according to how the items to be sterilized are wrapped. Furthermore, consider the resistance to high temperature of the items to be sterilized. All sterilization programs are displayed in the menu **Programs & Tests**.

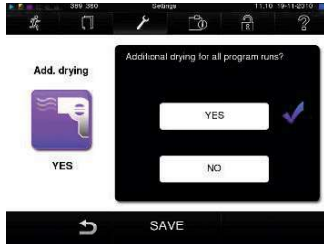
Program		Wrapping	Especially suitable for	Load 41 B+/43 B+	Load with MELAstore
Universal-Program		mixed loads; long, narrow-bore hollow bodies	mixed loads; long, narrow-bore hollow bodies	6 kg/7 kg	9 kg
Quick-Program B		single wrapping and unwrapped instruments (no textiles)	long narrow-bore hollow bodied instruments	single wrapped max. 1.5 kg ----- unwrapped 6 kg/7 kg	--
Quick-Program S		only unwrapped (no textiles)	Simple solid instruments; trans-mission instruments; simple hollow bodies	6 kg/7 kg	--
Gentle-Program		single and multiple wrapping	Larger quantities of textiles; Thermo-instable goods (e.g. plastic, rubber articles)	Textiles 2 kg (41B+) 2.5 kg (43B+) ----- Thermoinstable goods 6 kg/7 kg	9 kg
Prion-Program		single and multiple wrapping	Instruments where a danger of infection by pathologically-modified proteins is suspected (e.g. Creutzfeld-Jacob, BSE)	6 kg/7 kg	9 kg

Auxiliary programs		
Vacuum test		For measuring leak rate, a test for dry and cold device (test without load)
Bowie & Dick test		Steam penetration test with special test package (available from your specialist dealer)
Conductivity measurement		For manually measuring the quality of the feed water
Draining		For draining and pressure release of the double-jacket steam generator, e.g. for service, for maintenance or before transport

Starting the program

If you have selected a program, it is displayed marked grey. You can now activate it by pressing the START key.

Additional drying



With correct loading, the program-specific drying times guarantee adequate drying of the sterile equipment. For difficult drying tasks you can extend the drying time of a program by 50% with the function Additional Drying in the menu **Settings** with the option **Additional drying**.

Working in the **Settings** menu, you can also activate the additional drying function retrospectively during a running program.

Pre-selection start time



The function start time pre-selection enables you to select any program and start it at a time of your choice.

- After selecting the program, touch the symbol in the action bar. The display changes to the "Pre-selection" window.
- For example, to change the time, tap the Hour or Minute symbol. The selected field will become light blue.
- You may now change the time by pressing the and buttons. Finally, press START. The display will remain in the pre-selection start time window.



NOTE

Please note that the function pre-selection start time is not possible with the Quick-Program S for safety reasons.

After setting the program start time, no other menu can be selected other than the menu **Info & Status**.

The start time pre-selection is only active for the unique time and program selection. That means that after completion of the program, the pre-selected start time is deleted.

You may turn off the steam sterilizer while the pre-selection start time is running. However, the steam sterilizer must be turned on again in time for the timer to progress again.



Warning

- Unsupervised operation of electrical devices, including this steam sterilizer at the operator's risk. MELAG accepts no liability what so ever for any damage resulting from unsupervised operation.

Manual program abort

You manually terminate a running program in any of the phases. To terminate a running program, press the CANCEL button and confirm with YES.

After a short time, as shown on the display, you can open the door by pressing the door symbol.



Warning

- Take heed that when opening the door after terminating a running program, hot water steam can escape out of the chamber, depending on when the program was terminated.
 - Use a tray lifter to remove the tray. Never touch the sterilized items, the chamber or the door with unprotected hands. The parts are hot.
- Failure to observe this requirement can result in burns.**

Manual termination before beginning of drying



If you terminate a program before the beginning of drying, then the items to be sterilized are still unsterile. A cautionary note appears on the display. The log reports that the sterilization was **NOT successful**.

Remove sterilized items



Danger

- Never use force to open the door. The steam sterilizer could be damaged and/or hot steam could escape.
- Use a tray lifter to remove the tray.
- Never touch the sterilized items, the chamber or the interior of the door with unprotected hands. The parts are hot.

Failure to observe this requirement can result in burns.



Danger

- Check the wrapping of the sterilized objects for damage when removing them from the steam sterilizer.
- If a wrapping is damaged, wrap the object again and re-sterilize it.

Non-observance can result in unsterile instruments. This endangers the health of the patient and the practice team.

If you remove the sterilized items from the steam sterilizer directly after the end of the program, it can happen that slight quantities of condensate moisture are found on the sterilized items.

Smaller quantities of water which may be are found on the upper side of the paper bags and clear plastic sterilization packages are unobjectionable if they dry out within 15 minutes after removal from the steam sterilizer.

Storage of sterilized items

The maximum storage life depends on the packaging and the storage conditions. Please notice your national regulations of your country. In general keep the following conditions:

- Sealed against dust e.g. in a closed instrument cabinet
- Protected from damage on smooth surfaces
- Protected from excessive fluctuations in temperature
- Protected from moisture (e.g. alcohol, disinfectant)
- Storage duration in accordance with the type of package wrapping

Batch documentation

The batch documentation is indispensable as documentation for the successfully completed sterilization process and as an obligatory measure of quality assurance.

The capacity of the internal storage suffices for about 100 logs.

If the internal log memory becomes full and at least one log has not been issued via an activated outmedium, the following warning will appear on the display: **Internal program log is almost full**. If this cautionary warning appears, you should prepare the output media determined in the **Settings** menu → **Logging** and output the respective logs (menu **Logs**).

You can store the logs of the completed programs on the following output media and archive them accordingly.



- MELAflash CF card
- A computer in a user network (LAN).
- Log printer MELAprint®42

Please learn from the operating manual of the respective device how to connect the additional devices and which settings you take at the steam sterilizer.

Setting the date and time

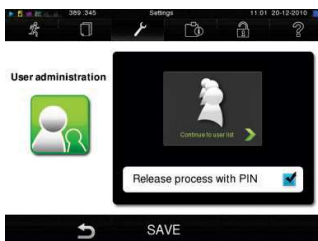
Date and time of the steam sterilizer must be correctly set for proper batch documentation. Ensure that you take into account the clock change in autumn and summer, as this is not adjusted automatically.



- Select **Settings** menu → **Date & Time**.
- Directly select the parameters you wish to change (Day, month, year or hour, minute, second). The selected field will become light blue.
- Use the  and  buttons for each parameter value.
- Repeat the steps for all parameters which you want to change.
- Confirm the modification with **SAVE**.

The display will restart after saving and then automatically return to the **Program & Tests** menu.

User administration



For reliable traceability of the release process following the end of a sterilization program, each user can be given a unique ID and PIN with which the user can authenticate before release of a batch.

You can determine if authentication of the user with a PIN input is required in the **User administration** window by checking the box for **Release process with PIN**.

If this option is activated, the user ID and the result of the release process are recorded in the log header.

To set up/edit a new user



To set up a new user, read the following:

- Select **Settings** menu → **User administration**.
- To get to **User administration** and make the settings there, you must enter the Admin PIN. Enter the Admin PIN (Standard: 1000) and confirm by pressing **LOGIN**.
- The display changes to the **User administration** window.
- Press **continue to user list**, to see the user list.
- To set a new user, select an open ID and select **EDIT**. Note that the first ID is reserved for the Admin PIN.
- Enter a 4-digit PIN for the selected user ID in the right keypad and confirm with **SAVE**.
- With **SAVE** you apply all settings and leave the menu.


By pressing the symbol  you leave the menu.



Changing the Admin PIN

The Admin PIN (Standard: 1000) is used in the same manner as all other user PIN and should be changed on handing over.

To delete a user from the list

- Select the **User administration** menu as described above and open the user list.
- Select the user ID that you wish to delete.
- Select the symbol  to delete the user. A warning message follows. When you confirm with YES, the PIN for this ID is set to 0.

At any time a new PIN can be set for this user ID.

Release process



According to RKI [Robert Koch Institute] - "Recommendations for hygiene in the preparation of medical products" the preparation of instruments ends with the documentation of release to storage and use of the sterilized products.

The release process is comprised of the batch indication and the batch release and must take place by authorised and qualified personnel

Batch indication

This includes the review of the indications shown during the sterilization program, e.g. MELAcontrol® / MELAcontrol® Pro.

Only once the indicator stripe has completely changed colour can the release of the indicator occur.

Batch release

This includes the review of the process parameters with reference to the sterilization results in the steam sterilizer and the sterilization log, as well as the review of the single wrapping for damage and residual moisture.

The release of the batch and the potential indications shown during the process are documented on the sterilization log.

Depending on the setting in the user administration, the release of the sterilized items requires a user PIN from the person who releases the batch and the indications.

Reliable traceability by the output of labels



The use of a label printer enables the traceability of the batch: with details of the serial number of the steam sterilizer, sterilization date, storage duration, batch number, user ID for the person who released the instruments, the patients' sterilized instruments and the sterilization batch can be easily be associated with the steam sterilizer used and the file name (under barcode).

Flawless packaging with the sterilized items is identified following sterilization with a raised sticker. In this way the requirements for a proper "release" are fulfilled by the person entrusted with the preparation.

Thus all information about the correct sterilization of the used instruments is associated with the patient's file.

Additional information on the output of labels, please refer to the User Manual.

Energy-saving mode



If the steam sterilizer is not be switched off during longer operating pauses, the energy-saving mode can be set.

Two waiting times can be set in energy-saving mode.

Waiting time 1 (W1): After a pre-set waiting time of 15 minutes, the temperature of the double-jacket steam generator will sink to 103°C. The program run time becomes about 2 minutes longer upon the next start.

Waiting time 1 (W2): After a pre-set waiting time of 60 minutes, the double-jacket steam generator is no longer heated. Accordingly, the length of the program run time increases by about 5 minutes upon the next start, depending on the length of the operating pause, as the double-jacket steam generator must first be pre-heated to the necessary start temperature.

Set the energy saving mode as follows:

- Select **Settings** menu → **Energy-saving mode**.

Follow the same steps as in the section for the setting "Date and Time".

Pause times

Pause times between individual programs are not required, since the sterilization chamber is permanently maintained at the required temperature.

Longer operating pauses

Keep the door closed in the pauses between the sterilizations if the steam sterilizer is switched on. This requires less energy to maintain the double-jacket steam generator at the desired temperature.

If the pauses between two sterilizations last longer than one hour, MELAG recommends that you switch off the steam sterilizer. You can save energy this way. If the steam sterilizer was switched off for one hour, then it requires about five minutes in order for the double-jacket steam generator to heat up again and be ready for operation.

If the steam sterilizer is not be switched off during longer operating pauses, the energy-saving mode can be set.

After operating pauses which last longer than two weeks, carry out a vacuum test and thereafter an empty sterilization with the Quick-Program S.

The following situations can occur after longer pauses:

Incident	Possible cause	What you can do
conductivity too high	Bad feed water	Change the feed water or the mixed-bed-resin pellets for a MELAdem® unit.
Despite running motor, the door does not open	Door seal is sticking to the sealing surface	Switch the steam sterilizer off and pull vigorously at the door to open it.

After pauses, carry out the tests described below depending on the pause duration.

Checks in daily operation

Vacuum test

Use the vacuum test to check the steam sterilizer for leaks in the steam system. Conduct a vacuum test weekly in routine operation, at initial start-up, after pauses longer than two weeks and in case of error.

Bowie & Dick test

With the Bowie & Dick test, you can verify the steam sterilizer for sufficient steam penetration of porous sterilizing materials, e.g. textiles. For this purpose it is especially recommended when sterilizing larger quantities of textiles.

Conductivity measurement

The conductivity measurement is used for manually measuring the quality of the feed water. At the given point in time, the steam sterilizer outputs an appropriate message automatically, if the permissible value was exceeded.

Malfunctions

Error messages are displayed if safe operation or sterilization security is not guaranteed.

These can appear on the display shortly after switching on the steam sterilizer or while a program is running.

Follow the operating procedures shown in the connection with a warning text or an error message on the display.

After that you can continue the operation of the steam sterilizer.

Only if the messages appear repeatedly turn to your specialist dealer or the authorised MELAG customer service centre in your vicinity.