

Operating instructions

for steam baths and steam bath technology

with generator

DE 510 Star / DE 3000 E/R / DE 4000 E/R

DE 1005 / DE 1050

Vision 2000 sensor



Please be sure to read these operating instructions carefully before using the steam bath!

Make sure that you observe the care instructions!

RepaBAD cannot be held liable for damages caused by inappropriate use.

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Safety information



Danger to life! Danger of electric shock!

When taking a steam bath or showering, no electrical devices may be operated in the steam bath cubicle or its proximity. Any contact between an electrical device which is plugged in and steam or water can cause a fatal electric shock. Before changing the illuminants, all phases of the steam bath's power supply must be switched off!

Danger of scalding!

Hot steam is conveyed to the steam bath through the steam nozzle. There is a risk of scalding if there is skin contact with the steam nozzle or steam in the direct vicinity of the steam nozzle!

Children may not use the steam bath unsupervised.

Anybody with a healthy cardiovascular system can take a steam bath. Should you be uncertain or if you have questions, please consult your doctor.

You should not use the steam bath after alcohol consumption or directly after eating. This could burden the cardiovascular system.

You can only use the rEPABAD DD 1000 ... liquid aromas. Other liquid aromas may destroy the steam bath system.

The steam bath steam generator must be decalcified. The decalcifying cycle can vary according to the respective existing water hardness.

Only use rEPABAD decalcifying agents (art. no. EK 500).

If other agents are used, you run the risk of damaging the steam bath.

„Night design“ sensor illumination

All individual keys retain subdued lighting for some 60 minutes after the last input. Power consumption for this is extremely low (LED technology).

Keylock

The keylock is activated when the display shows ---- irrespective of which key is pressed. All functions are blocked.

The keylock can only be activated if all the functions are switched off.

In order to avoid accidental or unauthorised activation of steam bath functions (for example by children), the keylock can be activated.

Switching the keylock on: Press the ⊖ key until ---- is shown on the display (the ⊕ key is illuminated).

Switching the keylock off: Press the ⊕ key until the time is shown on the display (the ⊖ key is illuminated).

If the keylock is activated, the night design lighting of the sensor is switched off.

The current keylock status is maintained even if it is disconnected from the electrical power supply.

Overview of the display and control elements

The keylock is activated when the display shows ---- irrespective of which key is pressed. All functions are blocked (please refer to page 3).	
If a function is selected by pressing a key, this key is illuminated as long as the function is active.	
Standard functions	
	Display: the display of all functions.
 	Keys for setting all functions.
	Switching the steam bath on and off. Setting the water hardness range.
	Displaying and setting the temperature. Displaying and setting the time.
	Displaying and setting the time.
	Displaying and setting the timer.
	Switching the steam bath lighting on and off (white). The steam bath lighting can also be switched on when the steam bath is off.
Aromatherapy (optional), please refer to page 8	
 	Switching the aromatherapy on and off and setting the intensity of the addition of scent.

Colour therapy (optional), please refer to page 9



Switching the coloured lights on and off and dimming them.



Switching the (white) steam bath lighting on and off and dimming it.
Starting the colour therapy programmes.

Mist nozzles (optional), please refer to page 11



Switches the mist nozzles on. The key is illuminated when the mist nozzles are switched on.

MP3 docking station (optional), please refer to page 11



Volume adjustment for the MP3 player switched on

Switching the steam bath on and off

Press the  button briefly to switch the steam bath on. When the steam bath is on, the  key is illuminated.

The current steam bath temperature is shown on the display and the steam generator is heated. After a few minutes, steam flows into the steam bath cubicle.

If the **FILL** message appears on the display after switching on, there is too little water in the steam generator. The steam generator fills automatically with the correct water supply.

If **FL...**, appears for the DE 510, DE 2000, DE 3000 and DE 4000 steam generators, the flushing function is active.

To switch it off, also press the  key briefly. The  key is no longer illuminated.

Displaying / setting the steam cubicle temperature

Displaying the steam cubicle temperature (only for a steam bath which is switched on)

Press the  key once to show the steam bath temperature on the display. The key is illuminated whilst the temperature is displayed.

Setting the steam cubicle target temperature

Press the  key longer (approx. 2 seconds) to switch over to temperature setting mode. The key flashes.

The set target temperature is then shown on the display. The target temperature can be set as desired using the  and  keys.

Pressing the  key again saves the changed target temperature or saves it automatically after approx. 5 seconds.

The target temperature value remains saved until a new input is made.

Displaying / setting the timer runtime

Switching on the steam bath automatically starts the timer.

You can use the timer to end your steam bath automatically after a settable time.

Display of the remaining timer running period (only for a steam bath which is switched on)

Press the  key briefly once to show the remaining timer running period on the display. The key is illuminated whilst the timer running period is displayed.

Setting the timer running period

Press the  key longer (approx. 2 seconds) to switch over to timer setting mode. The key flashes.

The desired total timer running period is then shown on the display.

You can set the timer running period as desired between 1 minute and 90 minutes using the  and  keys.

By briefly pressing the  key or automatically after approx. 5 seconds the changed timer running period is saved and the timer restarts.

The steam generator switches off automatically after the timer running period has expired.

You can also switch the steam bath off independent of the timer by pressing the  key briefly. The latest set timer running period remains saved.

If the timer period expires and lighting is switched on (also colour therapy), the white steam bath lighting **automatically illuminates for a further 3 minutes.**

Displaying / setting the time

Displaying the time

When the steam bath is switched on, briefly press the  key once to show the time on the display. The key is illuminated whilst the time is displayed.

When the steam bath is switched off, the time is permanently shown on the display.

Setting the time

Press the  key longer (approx. 2 seconds) to switch over to clock setting mode. The key flashes.

Only the hours are now shown on the display.

Set the hours using the  and  keys.

Press the  key to show the minutes on the display. Likewise, use the  and  keys to set the minutes.

After briefly pressing the  key or automatically after approx. 5 seconds, the complete time is shown again on the display.

Steam bath lighting (optional)

Use the **(P*)** key to switch the (white) steam bath lighting on and off. The **(P*)** key is illuminated when the steam bath lighting is on.

The steam bath lighting can also be switched on when the steam bath is off.
It switches off automatically after 45 minutes.

This key is also used to select the (optional) colour therapy programme.

Manual addition of scent

A scent can be administered by drops to the upper hollow of the steam nozzle / aroma bowl (steam fountain Victoria). In this way, the aroma substances are better absorbed by the steam flowing past and can spread in the steam bath cubicle.

Aromatherapy (optional)

For aromatherapy, dosed scents are added to the steam. Up to 2 scents can be optionally selected.

Switching on the aromatherapy (only for a steam bath which is switched on)

Briefly press the **(D1)** or **(D2)** key to switch the mixing of the respective scent on or off. The corresponding **(D1)** or **(D2)** key illuminates if addition of scent is activated.

Setting the intensity of the aromatherapy

Press the **(D1)** or **(D2)** key longer (approx. 2 seconds) to switch over to the intensity setting mode for the respective scent. The respective key **(D1)** or **(D2)** flashes.

The intensity currently set for the scent addition is shown on the display.

1 Means minimum scent addition, **2** medium and **3** maximum scent addition.

Use the **(+)** and **(-)** keys to change the intensity of the scent addition.

Press the **(D1)** or **(D2)** key to save the new value which is automatically saved after approx. 5 seconds.

Colour therapy (optional)

If colour therapy is integrated in the steam bath, a red, blue, yellow and green lamp is installed for colour therapy in addition to the white steam bath lighting.

The colour lamps for colour therapy can be controlled manually or using a programme.

The lamp functions can also be used when the **steam bath is off**.

Allocation of the keys to the lamp colours

Key  **Yellow**

Key  **Red**

Key  **Blue**

Key  **Green**

Key  **White**

Manual switching on of the individual lamps

By briefly pressing the keys , , ,  or  the lamp allocated to the respective key is either switched on or off. The respective key is illuminated when the lamp is switched on.

Manual brightness setting

Repressing the corresponding key for the lamp which is switched on , , ,  or  will activate the brightness setting mod. The respective key flashes.

You can then set the brightness of the corresponding lamp using the  and  keys.

If the  key is pressed longer whilst the steam bath lighting is on, **P0** appears on the display and all the lamps in the steam bath are switched off.

Calling up the colour therapy programmes

A total of six programmes are available.

If the  key is pressed longer whilst the steam bath lighting is off, **P1** appears on the display and you can select a colour therapy programme.

To select a programme, now briefly press the  several times consecutively until the desired programme number is shown on the display.

The programme starts automatically after a few seconds and the display switches back to the initial status.

If the  key is pressed during a programme, **P0** appears on the display and all the lamps in the steam bath are switched off.

The duration of the programmes **P1** and **P6** depends on the timer running period programmed. After timer runtime has expired, the program is terminated.

The duration of the programmes **P2** to **P5** is 15 minutes. If a shorter timer running period is programmed, the programme is finished when the timer running period expires.

After the programme is finished, the white steam bath lighting goes on.

Colour therapy programmes

P1 Joy programme

The ideal programme for getting to know colour therapy.

All the lamps light up in different combinations, transitions flow due to the dimmer function.

P2 Relax programme

The predominant colours in this programme are red and blue. Both lamps together provide a meditative, violet-coloured light, unifying the differences between the elements fire and water which are embodied by red and blue.

The complementary colour of yellow at the end of the programme ensures equilibrium, reinforcing the special effectiveness of this programme.

P3 Power programme

The energy colour red dominates in this programme, augmented by yellow. Green light moderates the strong activating power of the red light, preventing too strong an effect. It may be advisable to abort the programme early if the exposure to red light over a longer period feels unpleasant.

P4 Slow-down programme

The relaxation programme mostly uses the soothing colours of blue and green. Orange-coloured light is created by the simultaneous use of the red and yellow lamps, creating variation and balance.

P5 Happy sun programme

This programme has its special fascination due to the intense use of yellow light. The red lamp transforms to orange, toning down the transition to the final phase during which the red and blue lamps are activated.

P6 Kids programme

This programme makes full use of all the colour therapy options available: the

result is a colourful picture in motion which will specially impress and fascinate children.

Mist nozzles (optional)

To switch on the mist nozzles, press the  key.

The  key is illuminated when the mist nozzles are switched on.

Press the  key again to switch on the interval function for the mist nozzles.

If you press the  key a third time, the mist nozzles are switched off. The  key is no longer illuminated.

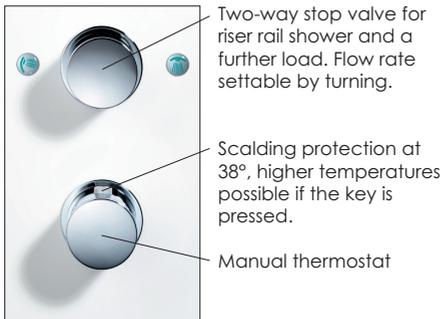
MP3 docking station (optional)

With the optional MP3 docking station and the MP3 player switched on, the volume can be adjusted with the  and  keys. The  and  keys must not be activated by another function.

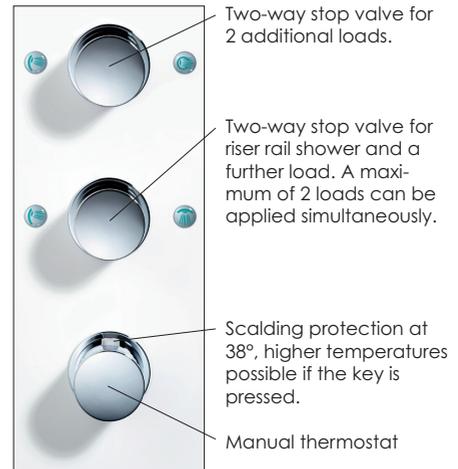
The volume can also be adjusted when the steam bath is switched off.

Thermostat control (if installed in the panel)

Thermostat with a 2-way stop valve



Thermostat with two 2-way stop valves



Servicing

Exchanging the scent

You can exchange the scent container against any other scent you like.

After the scent has been exchanged, the scent pump tube must be inserted in the opening down to the bottom of the scent container.

It can take approx. 3 runs of the steam bath until the new scent is effective in the cubicle.

Attention!

We can only guarantee perfect functioning of the scent pumps if Repabad scents are used! You can purchase them from your specialist Repabad dealer.

Changing the illuminants

Before changing the illuminants, all phases of the steam bath's power supply must be switched off!

Halogen lights in the steam bath ceiling:

- Stand in the steam cubicle to pull out the socket of the luminaire in a straight downward movement (do not twist it!).
- Exchanging luminaires.
- Re-inserting the socket.
- At the same time, ensure that the retaining clips for the luminaire are positioned on the grooves intended for this purpose.

Decalcifying the steam generator



Danger of chemical burn!

Concentrated decalcifying agents can cause chemical burn.

If these agents come into contact with the skin or eyes, rinse well with clear water and consult a doctor.

Be sure to adhere to the safety instructions for the decalcifying agents!

Store decalcifying agents inaccessible for children!

The steam bath steam generator must be decalcified. Due to the respective existing water hardness, the decalcification cycle varies. Only use **REPABAD** decalcifying agents (art. no. EK 500). If other agents are used, you run the risk of damaging the steam bath.

Decalcifying takes 12 hours!



Due to physical/chemical decalcification process, the formation of steam may be reduced immediately after decalcification.

Please continue to use the steam bath normally, the formation of visible steam stabilises again after approx. 2-3 steam bath runs.

The decalcification cycle for the steam generator depends on the water hardness. The different water hardness areas result in varying running times (steam times), before the steam generator needs to be decalcified.

Determination of the water hardness

You can use the test strips supplied and the corresponding colour table to determine the water hardness range.

- Plunge the test strip in fresh tap water for approx. 1 second and shake off surplus water.
- After waiting for approx. 1 minute, compare the test strip with the colour table.

Based on the colour of the test strip, you can read off the degree of water hardness from the colour table.

Setting the water hardness range.

The steam bath is factory set for the water hardness area 4 (very hard).

- Keep the  key pressed for approx. 5 seconds until **H** is shown on the left of the display.

The water hardness range currently set (**1** to **4**) is shown on the right of the display. Use the  and  keys to set the water hardness range required.

Press the  key again to save the changed target water hardness range or it is saved automatically after approx. 5 seconds.

Anti-lime management (ALM) and decalcification programmes

Three hours before reaching the decalcification cycle (dependent on the water hardness range set), **ERLC** is displayed when the steam bath is switched on and off (flashes 3 x, AKM).

If no decalcification takes place before the remaining steam period expires, the control mechanism automatically blocks the operation of the steam bath.

If the steam bath is then switched on, the information **ERLC** flashes on the display for approx. 10 seconds. Following this, the steam bath switches off again automatically.

The display shows the time again.

The decalcification programme for all REPQBAD steam generators with the Vision 2000 sensor and filling opening on the DE 1005 (6 KW) / DE 1050 steam generator

If the steam generator DE1005 is not connected to a drain, a bucket (10 litres) must be placed under the drainage tube when decalcifying.

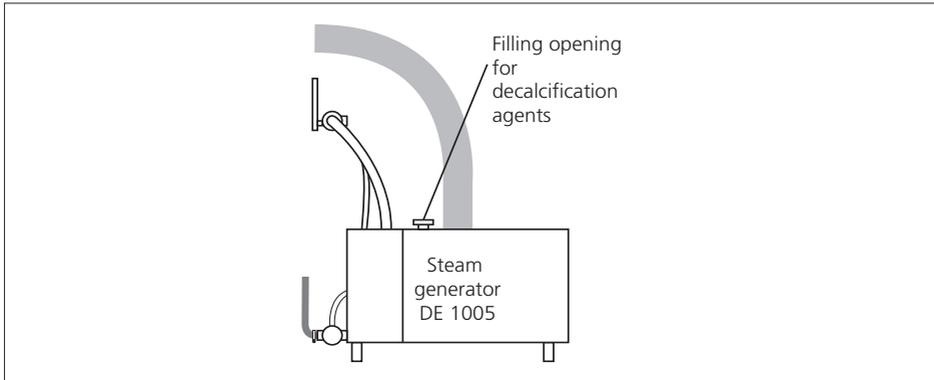
- The steam bath must be switched off.
- Keep the ⊕ key approx. 5 seconds until **CLC** is shown on the display.

The ⊕ key flashes.

After approx. 10 seconds, **PU 1** is shown on the display.
The steam generator is automatically pumped empty.

Once the steam generator has been pumped empty, the display will show **FILL** and **REid** alternately.

- Unscrew the filling opening clasp on the steam generator.
- Dissolve **8 tablespoons** of **REPABAD** decalcification agent (art. no. EK 500) in **5 litres of water** in a separate container and fill through the filling opening using a funnel.



- Screw the filling opening clasp on the steam generator closed.

The steam bath control automatically recognises when the decalcification agent is filled and starts the decalcification period of 12 hours. The remaining decalcification time is shown on the display.

After expiry of the decalcification period, **PU 2** is shown on the display.

The steam generator is automatically pumped empty.

PR 3 is shown on the display, as soon as the steam generator is emptied.

After approx. 1 minute, the steam generator is automatically filled with fresh water.

Following this, the time is again shown on the display.

Use the ⊕ key to interrupt the decalcification process early. The steam generator is automatically pumped empty and re-filled with fresh water.

The stipulated steam time which is based on the water hardness area only starts anew once decalcification has been completed (12 hours)! Time spent on decalcifications (aborted) is not cumulated!

Decalcification programme for all rePQBAD steam generators with the Vision 2000 button sensor and the filling opening on the column, steam generators DE 510/DE 2000 (3 kW) and DE 3000 (6 kW)/ DE 4000 (6 kW)

- The steam bath must be switched off.
- Keep the ⊕ key approx. 5 seconds until **CaLc** is shown on the display.

The ☺ key flashes and the steam generator heats up.

When the display shows **FILL** and **REId** alternately:

- Screw open the filler neck on the column and screw in the decalcification tube (please refer to page 16)
- Dissolve **8 dessert spoons** of rePQBAD decalcification agent (art. no.. EK 500) in **1 litre of water** in a separate container and fill through the filling opening using a funnel.
- Unscrew the decalcification tube and screw the filler neck closed

The steam bath control automatically recognises when the decalcification agent is filled and starts the decalcification period of 12 hours. The remaining decalcification time is shown on the display.

Once the decalcification time has expired, the steam generator is automatically rinsed with fresh water. Following this, the time is again shown on the display.

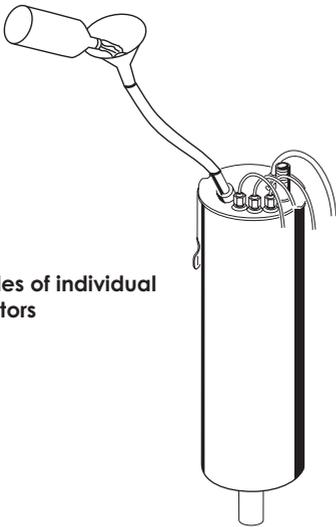
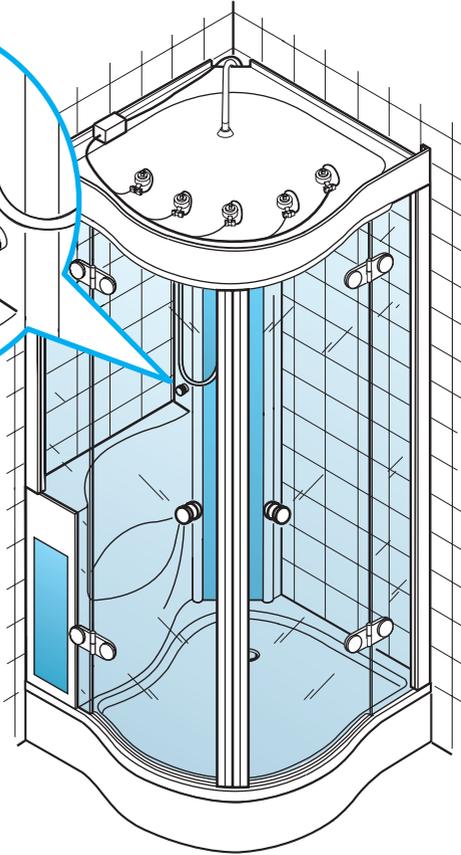
Use the ☺ key to interrupt the decalcification process early. The steam generator is automatically rinsed with fresh water.

The steam bath can be used again until the set decalcification cycle is reached.

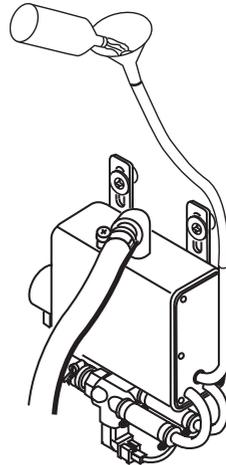
The stipulated steam time which is based on the water hardness area when decalcification has been completed (12 hours)! Time spent on decalcifications (aborted) is not cumulated!



Filling opening on all acrylic and aluminium panels (shown using steam bath Las Vegas as an example)



Examples of individual generators



Error messages

Error message	Cause	Rectification
Er 01	The steam bath has too little water	<ol style="list-style-type: none">1. Switch the steam bath on again. This repeats the filling process.2. Decalcify the steam generator.3. If no remedy is possible, inform the specialist fitter.
Er 02	Temperature sensor not connected or defective.	Connect or replace the temperature sensor
Er 04	Steam generator detection not connected	Connect steam generator detection

Care instructions for repABAD steam baths

Do not use cleaning agents which contain solvents, are aggressive or abrasive! They damage the acrylic surface / glass cubicle.

Only use soft, non-abrasive and lint-free cloths for cleaning!

The acrylic surface / glass cubicle must be freed of abrasive dust etc. before cleaning, e.g. by rinsing it with clear water.

Chemical drain cleaners may not be used.

Clean the steam bath with a household cleaning agent after use.

Use a wiper to remove all water drops on the glass cubicle.

Clean the acrylic parts at regular intervals with anti-static acrylic and plexiglass cleaner repABAD „Spezial-Reiniger“ [special cleaner] (art. no. RR).

repABAD's „Care set“ (art. no. PF) is suitable for the elimination of minor scratches in the acrylics.

Care instructions for repACLEAR coated glass partitions

Do **not** use concentrated cleaning agents containing vinegar or citrus, stainless steel cleaners, micro fibre cloths or similar to clean glass partitions coated with repACLEAR.

We recommend repACLEAR glass cleaner (art. no. Glasreiniger) as the ideal care and cleaning agent for repACLEAR coated glass partitions. With repACLEAR glass cleaner, you can freshen up the glass refinement.

Only send the warranty card in case of a complaint.

Warranty card

For **repABAD steam baths**

We grant a 5-year warranty on all acrylic parts for the **repABAD steam baths** supplied by us provided the care instructions are observed and it is used correctly and carefully in accordance with our general terms and conditions of use. The warranty period for the **steam bath** technology and electronics is 2 years. This warranty begins on the day of delivery by **repABAD**. Any possible claim must be notified to the specialist fitter from whom our product was purchased, specifying the data provided below.

Delivered on: _____

Customer's address: _____

Invoice no.: _____

Reason for complaint: _____

Specialist fitter's address _____

Fitter's stamp / signature _____

Technical hotline

+49 (0)7024/94 11 -88

repABAD[®]
relax | unwind | revive

repABAD GmbH
Bosslerstr. 13-15
D-73240 Wendlingen
Tel. +49 (0)7024/94 11 -0
Fax +49 (0)7024/94 11 -30
e-mail: info@repabad.com
www.repabad.com

repABAD Schweiz GmbH
Unterer Rebberweg 129
CH-4153 Reinach
Tel. +41 (0)61/71 39 13 4
Fax +41 (0)61/71 10 82 6
e-mail: info@repabad.com
www.repabad.com

