

BaehrTec A700

**Dry technology pedicure device
with handpiece**
for cosmetic applications

Operating Manual

The logo consists of the word "BAEHR" in a bold, white, sans-serif font, enclosed within a black rectangular border.

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2**Note to users**

This operating manual must be read thoroughly before using the device for the first time and the instructions and specifications contained therein must be precisely observed.

This operating manual is an integral part of the device. By reading it thoroughly, you will be fully familiarized with the functioning and operation of the device and therefore, will be able to recognize and avoid operating errors, dangers and damage.

Please retain this operating manual in a safe place with the device.

Should you lose the A700 operating manual, you can reorder it from us at any time. You can find our contact address under "**Contact address & Manufacturer**".

- ✓ Please read this operating manual carefully.
- ✓ Please keep this operating manual for reference purposes – also in case you wish to clean the device.
- ✓ Please observe all warnings and instructions in this operating manual and on the device.
- ✓ If you ever clean the device, the power supply must be fully disconnected. Remove the power plug from the safety outlet. When cleaning / disinfecting, please observe the notes described in chapter 5 and its subchapters.
- ✓ Do not place the device near heat sources, such as radiators, air-conditioning units, refrigerators and the like. Please also avoid positioning it near water sources (for example sinks) and / or chemicals. Ensure an appropriately hygienic environment. Place the device on a firm, non-slip base. Avoid placing it on unstable tables, carts or the like. If the device falls down, this can cause severe damage and injuries.
- ✓ To ensure a reliable functioning of the device, protect it from cold as well as from overheating. At the same time, avoid temperatures below +10°C and above +35°C.
- ✓ Should you use an extension cable, ensure that the overall power supply is not higher than the capacity of the extension cable. Please understand that we cannot accept any liability for accessories of any kind, which are not included in the scope of delivery. This also applies to any possible consequential damages that may occur.
- ✓ Please avoid:
 - touching plug contacts with sharp and / or metal objects.
 - placing water, beverages and other liquids in the direct vicinity of the device.
 - leaving children unsupervised with the device.
 - touching the power plug with wet and / or damp hands.
- ✓ Please do not carry out any repairs on the device yourself, as this will result in the cancellation of the guarantee claim. For all repairs, please contact qualified experts authorized to conduct such work. If necessary, please ask the manufacturer or the distributor of the device (see label on the device).
- ✓ There are no known electromagnetic interactions, which can occur between the BaehrTec A700 and other devices.

Please do not use the device in the following cases and contact the manufacturer:

- ✓ If the power cable / insulation shows signs of damage.
- ✓ If the device was exposed to moisture and / or wet conditions.
- ✓ If the device has been dropped and / or the device housing is damaged.

The device may be damaged in the event of a stroke of lightning and / or surge. Therefore, we also recommend installing surge protection and removing the plug during a storm and / or during a long period of non-use, in order to protect the device from voltage peaks.

Please observe the customary power supply specifications before connecting the device to the mains and check whether or not they correspond to the information on the type plate.

2.1 Manufacturer's declaration regarding this operating manual

Dear customer,

The Gustav Baehr GmbH created this operating manual with great diligence. Nevertheless, it cannot be ruled out that some sections may contain inaccuracies or that some things are not described. Therefore, we kindly ask you to inform us if you detect any errors or inaccuracies.

There is no liability on the part of the Gustav Baehr GmbH for errors in this operating manual or possible consequential damages resulting therefrom, which arise from the provision or use of this operating manual while using the BaehrTec A700.

The Gustav Baehr GmbH reserves all rights to change/amend this operating manual.

A circulation or amendment of this operating manual is prohibited without the prior explicit approval of the Gustav Baehr GmbH.

2.2 Symbols

2.2.1 Symbols in this operating manual



Warning!

This symbol indicates a danger to humans or the device. This symbol must always be given the utmost attention. Read the relevant sections with particular diligence and strictly follow the instructions.








This symbol provides particularly useful advice and gives additional information on operating the device.



CE mark (Communauté Européenne)

2.2.3 Symbols on the packaging

	Transport upright (up = in direction of arrow)
	Protect from impact!
	Protect from wet conditions!
	Permitted temperature range: -10°C to +40°C
	Permitted humidity range: 30% to 85%
800 hPa - 1060 hPa	Permitted air pressure: 800 hPa - 1060 hPa

2.3 Foreword

Dear customer!

We are delighted that you have chosen to purchase this foot care dry technology device. The BaehrTec A700 has technical features, which will help to enhance your work.

The BaehrTec A700 is made from a variety of high-quality aluminium, stainless steel and plastic parts, which are also used in sports car and aircraft construction and therefore, guarantee ultimate stability and quality. The microprocessor-controlled electronics also ensure maximum power and performance from the electronic components.

Furthermore, the BaehrTec A700 has an electronic readjustment for the handpiece motor, which provides power and performance even in the lowest speed range. Try it yourself and you will be amazed.

Another highlight is the Easy-Speed concept. Thanks to the instrument illustrations on the controller, setting the engine speed for the instrument currently in use is guaranteed to be child's play (however, this is no substitute for the operator checking that the maximum speed for the instrument currently in use is not exceeded).

In addition to the Easy-Speed concept, the BaehrTec A700 has a colour display, which provides you with additional information and which will facilitate adjusting several device settings (e.g. colour background).

Modern electronic devices typically have energy-saving features. Therefore, we deliberately excluded a standby mode for the BaehrTec A700. So, when your device is not required, please turn it off using the main switch, which is located in a user-friendly position on the front of the device. Protect the environment and your purse.

You have the following powerful advantages with the BaehrTec A700:

- very **lightweight**
- very low **noise level**
- easy **operation with a high degree of operational safety**
- high **performance**, perfectly adjusted to the working conditions
- high **robustness** (for mobile use)
- high and long-term **reliability**
- high **energy-saving potential** (no standby mode)
- **Button** on handpiece

The BaehrTec A700 foot care device is manufactured and tested in accordance with strict quality criteria.

We hope you enjoy your new device and we wish you every success in operating it.

Your

Gustav Baehr GmbH

2.4 General product description and intended use

Rotating instruments (grinder, files, etc.) are actuated with the BaehrTec A700 foot care device. These can be used to strip away dry skin, calluses, nails etc. on feet and hands. The device is intended for the following fields of application: Foot care, cosmetics, wellness, nail design.

It can only be used by trained professionals.

Other types and fields of application are carried out at your own risk and may pose risks. No type of misuse is permitted.

Improper use may lead to damage to persons or objects.

The manufacturer cannot be held responsible for damages caused by improper use, unqualified personnel or incorrect operation.



All warranty claims are void following improper use or opening the device or the corresponding accessories.



WARNING: This device or its accessories cannot be altered without the approval of the manufacturer.



The BaehrTec A700 cannot be used for purposes of podiatric or medical treatments.



Only use the power cable approved by the manufacturer to operate your device. If you require a new cable, please contact the manufacturer. Operating the device using a different cable is not permitted.

2.4.1 Operator requirements

This device can only be used by trained and instructed podiatrists, cosmeticians, nail designers or persons in related occupational categories. They must be familiar with the corresponding principles of operation and have relevant qualification.

The operator is obligated to and must ensure that

- only fault-free and flawless work equipment is used
- he or she protects himself or herself, the patient and others from risks
- contamination by the device is avoided

2.4.2

Employee and Customer Protection

It is essential that you read this section with the utmost care! It contains important information on protecting yourself, others and the device from damage!

- Only use high-quality rotating instruments with a standardized shaft diameter according to DIN EN ISO 1797 amounting to 2.35 mm, cylindrical TYPE 2 from the BAEHR product range.
- Please observe the specific instructions of rotating instruments when using them. Above all, observe the manufacturer's information on maximum speeds, cleaning, disinfection and sterilization. Please refer to the "Rotating instruments" chapter in the current main catalogue of the Gustav Baehr GmbH for more detailed information regarding the instruments (including their specific function).
- Disinfect, clean and if required, sterilize the instruments after each use according to the specifications of the respective manufacturer of the instruments.
- Only use cleaned, disinfected and if necessary, sterilized instruments for each new customer, to avoid a possible transfer of germs to the next customer.
- Disinfect the handpiece after each use and before each new customer (please make sure that no disinfecting agent or other liquids penetrate the device during the process). Please refer to chapter 5.2 of this operating manual for more detailed information.
- Disinfect all parts of the device that could have come into contact with contaminated particles after each use and before treating each new customer (please ensure that no disinfecting agent or other liquids penetrate the device during the process).
- The operating staff must wear protective gloves as well as eye, mouth and nose protection when using the device.
- When using the device, the employees must make sure that neither hair nor any other loose objects such as wipes, cotton or the like can penetrate the area of the rotating instruments. A hair net must be worn where necessary. Objects, which can be caught in rotating components, cannot be in the area of treatment.
- The operating staff must bear in mind that the particles that are removed when working with the rotating tools may chip. The device must be maintained and cleaned according to the instructions before and after long pauses in use.
- The device can only be used with accessories approved for the device. Using unapproved accessories can lead to an increased emission or a minimized resistance to interference or other EMC phenomena.
- The national statutory provisions must be observed during use, in particular:

the currently applicable work regulations

the currently applicable accident prevention measures

To guarantee constant readiness for operation and preservation of value, the prescribed care work and maintenance services must be performed.

The device can only be repaired using replacement parts approved by the manufacturer and in accordance with the manufacturer's instructions. The recommended maintenance services (after notification, but at the latest within 24 months) and inspection and repair work can only be performed by the manufacturer. In line with a repair/maintenance work, please conduct or repeat necessary safety tests if applicable.

This device cannot not be modified without the manufacturer's permission.

2.4.3

Possible risks for customers

The suction technology and filter system used in the BaehrTec A700 significantly contribute to a minimization of potentially pathogenic dust in the ambient air and therefore, reduce the risk of communicable germs (microorganisms). Consequently, the customers' risk based on inhalation is reduced to a minimum and the treatment of immunocompromised customers is justified.

Possible risks of infection can be detected by routinely and diligently determining the medical history and in doing so, be prevented.



It is extremely important that you only treat areas of healthy skin or nails with disinfected/sterilized instruments, in the event that you previously conducted work in infected areas.

2.4.3.1 Risks due to dust and removed materials

Due to the effective suction system and the filter system used for the BaehrTec A700, the risk to customers based on inhalation of potentially pathogenic dust is reduced to a minimum.

A risk due to removed materials (such as nail residues e.g.) is regarded low based on the sufficient distance to the treatment area.

2.4.3.2 Risk due to moving or rotating parts/instruments

Intense pressure and high rotational speeds can lead to an unwelcome heat development in the area being treated and in the worst case, to damage of the tissue concerned due to heat development.

The operator must always be aware that an unintentional puncturing of the skin can occur if he or she is inattentive or the customer makes sudden movements (out of reflex). However, this risk is extremely low in the case of professional handling and constant visual checks.



ATTENTION! In any case, puncturing the skin must be avoided!

2.4.3.3 Allergy risks

The customer normally does not come in contact with the surface of the BaehrTec A700 but solely with the rotating instruments. Therefore, there can, at best, be a susceptibility to allergies regarding the components of the rotating instruments. However, since the treatment involves a very short times of contact (under 30 minutes), this is a minimal risk.

2.4.4 Possible risks for operators

2.4.4.1 Risks due to dust and removed materials

The suction technology and filter system used in the BaehrTec A700 significantly contribute to a minimization of potentially pathogenic dust in the ambient air and therefore, reduce the risk of communicable germs (microorganisms). Consequently, the operators' risk based on inhalation is reduced to a minimum. Always wear personal protective equipment (such as face masks, which cover mouth and nose) when working.

A risk due to removed materials (such as nail residues e.g.) is regarded a hazard to the operator based on the close proximity to the treatment area. In order to minimize this risk, the operator must wear eye, mouth and nose protection during treatments.

2.4.4.2 Risk due to moving or rotating parts/instruments

Loose objects such as hair, clothing, jewellery, etc. can get caught and wound up in the rotating parts and instruments. To avoid injuries, the operator must make sure that such loose objects do not come in contact with moving parts / rotating instruments. Hair must be tied back

if necessary or a hair net must be worn. When choosing his or her work clothes, the operator must make sure that these cannot get caught in the moving parts / the rotating instruments. These measures minimize the risk.

To prevent damage to/scratches on the device and for hygienic reasons, rings or other jewellery cannot be worn when operating the device.

2.4.4.3 Allergy risks

A susceptibility to allergies regarding the materials used in the BaehrTec A700 cannot be ruled out but is regarded extremely low however, can be further minimized by wearing disposable gloves. Disposable gloves should also be worn for hygienic reasons during every treatment session.

2.4.5 Safety information

The device is not approved for operation in potentially explosive areas.

Before every application, the operator must make sure of the functional safety and proper condition of the device.



Improper handling, maintenance and care can lead to premature wear and malfunctions.

This can result in a reduced product life.

→ Therefore, clean and maintain the device regularly and appropriately and send the device to be serviced on a regular basis (observe service indicator or at the latest within 24 months)!



Damaged functional parts can cause damage or injuries to persons or objects. Furthermore, this may result in (even greater) damage to your device.

→ Stop working immediately and disconnect the device from the mains when functional parts are damaged and contact customer service.



If you put the handpiece down, there is risk of injury when reaching for the handpiece. Injuries from used instruments can result in infections.

→ Please take care when setting down the handpiece, so that you do not injure yourself.



Keep children away from the device!

Risk of strangulation due to the power cable and handpiece hose.

Manipulation of the device by children (for use at home)



Risk of swallowing small parts/accessories (e.g. instruments)

In households, there is the risk of the power cable being damaged by pets for example. Therefore, please check the power cable regularly for damage and if damage is detected, immediately disconnect the device from the mains!



Protect the device by checking it regularly and if necessary, clean it to prevent pest infestation!



Always follow the instructions for operation and transport!

3 Before using the device for the first time

3.1 Scope of delivery

Before first use, you should check that all items have been delivered.

Items delivered:

1 x A700 control unit incl. handpiece (these are firmly connected to each other)

1 x Operating Manual

2 x dust bag for BaerTec A700 (1 bag already installed)
Item no. 20701

2 x turbine protection filter (1 filter is already inserted)
Dimensions: (~ 93 x 78 mm)

2 x sound-insulating fleece (1 filter is already inserted)
Dimensions: (~ 48 x 57.5 mm)

2 x coarse filter fleece (1 filter is already inserted)
Dimensions: (~ 48 x 57.5 mm)

2 x ultra-fine filter fleece (1 filter is already inserted)
Dimensions: (~ 48 x 57.5 mm)

2 x carbon filter foam (1 filter is already inserted)
Dimensions: (~ 48 x 57.5 mm)

1 x power cable with straight cold device plug
Item no. 20970006

1 x Easy-Clean tool kit
Item no. 40279

1 x damper for handpiece sleeve (set)
Art-No.: 40286

For more information, please see the section on "Changing the dampers for the handpiece sleeve".

If your delivery is incomplete, please inform us of this immediately.



Please keep the delivery box along with any packaging accessories. The packaging was developed for this device and provides the best possible protection during transportation. Therefore, please use the original packaging if you send your device in for servicing. There is no claim to warranty for any damages caused during transportation due to inadequate packaging.

3.2

What to observe before every use!



It is essential that you read this section with the utmost care! It contains important information on protecting yourself, others and the device from damage!

The term *BaehrTec A700* used in this section refers both to the control unit as well as the handpiece.

Before use, please check whether the type of current and the mains voltage of the power source are suitable for the use of this device. Information on the type of current and the mains voltage can be found on the type plate on the control unit.

When setting up the device, ensure that it is placed on a level base, that it cannot fall down and that the extracted air can escape easily.

Keep the BaehrTec A700 away from children.

Do not expose the device to direct heat sources (heaters, intense sunlight, etc.).



Make sure the power cable is not damaged by being pinched, bent or rubbed on sharp edges. If you notice any damage to the mains cable, please immediately stop working with your device, turn off the main switch and immediately remove the safety plug from the safety socket. To be able to work with the device again, please order a new power cable. Only use manufacturer approved power cables to operate your device. If you require a new cable, please contact the manufacturer. Operating the device using other cables is not permitted.



Never operate the device with a damaged power cable.



Your device has a detachable connector plug mechanism (see section "rear view")
Please ensure that the device is positioned so that a disconnection is unlikely at all times.



Do not work with the BaehrTec A700 in damp rooms such as saunas or bathing facilities for example. Wet conditions and moisture on the control unit can lead to dangerous current leaks, which pose the risk of an electric shock.



Disconnect the device immediately from the socket.
Please send the device in for servicing with a description of the defect.
Before each use (including before first time use), please make sure that the dust bag and all other filters have been inserted correctly. Never work with the device unless all filters are inserted correctly.

Avoid significant differences in temperature. These can also lead to the formation of moisture (condensation).

Protect the BaehrTec A700 from frost.

The device must be switched off and disconnected from the mains before carrying out any cleaning/maintenance work.

Disconnect the safety plug from the mains immediately if you discover any damage to or malfunctions of the device.

The manufacturer does not accept any liability for damages to objects, animals or persons caused by incorrect operation of the BaehrTec A700.


Please ensure that the BaehrTec A700 and the instruments are always in a flawless hygienic condition, to avoid putting your own health or that of others at risk. Find more details in section "Care (disinfection)" of the BaehrTec A700.

Rings or jewellery worn while working with the device can cause scratches on the handpiece. Such damage is excluded from the warranty. You should never wear jewellery when working with the device.

Please only work with the suction turned on in order to suction off any pathogenic dust and to prevent the handpiece motor or the handpiece from becoming warm.

Never submerge the device in liquids and do not suck up any liquids.

If you suck up any cotton, paper or the like, this can clog the suction openings in the handpiece. This can severely affect the suction power.

If the symbol for a filter change appears  on the display, it is essential that you change the dust bag (the display can only function reliably if all filters are inserted correctly. Therefore, only work with the device if all filters are inserted). If you do not do so, the device will automatically switch to suction level 3 after approx. half a minute, to prevent any damage to



your device (please refer to the section "*Filter change*" for more information on how to change the dust bag and the filter).

Never work with the device if the dust bag or the filter are not inserted, as in such cases, the device may be damaged and the warranty will expire.

**Warning – risk of injury!**

As shown in the illustration, you should avoid "pulling motions" during your work because this can cause the instruments to slip out. Please make sure that you do not exert too much pressure on the instrument (skin burns).

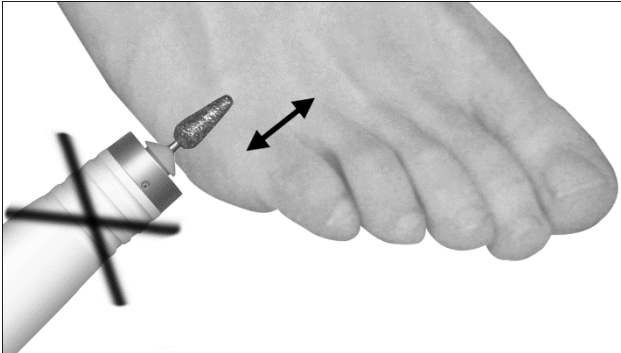
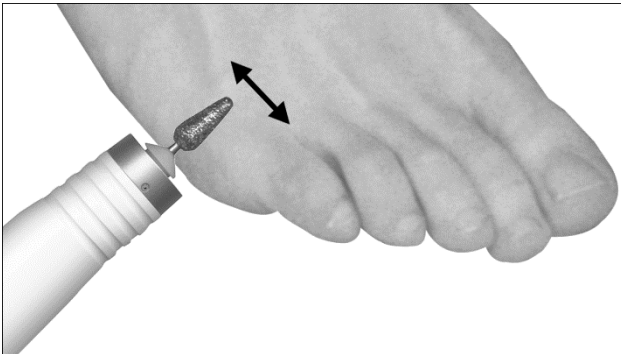
**Fig. 2a Wrong****Fig. 2b Right**



Fig. 3a

You can **hold the handpiece as you would a pen or pencil**, to perform precision work in an ergonomic and exact manner.

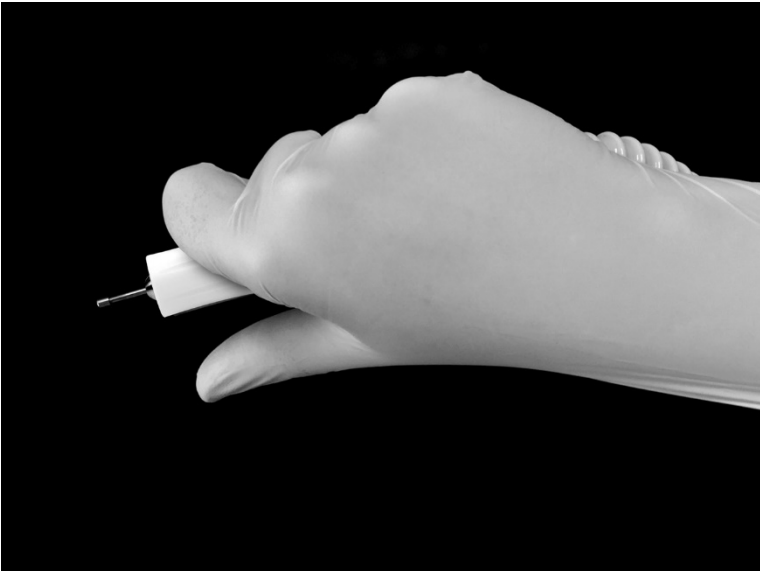


Fig. 3b

You can **wrap your fingers around the handpiece**, to treat larger surfaces in a relaxed manner.

- 4 **Device description**
- 4.1 **Control unit description**
- 4.1.1 **Front view BaehrTec A700**

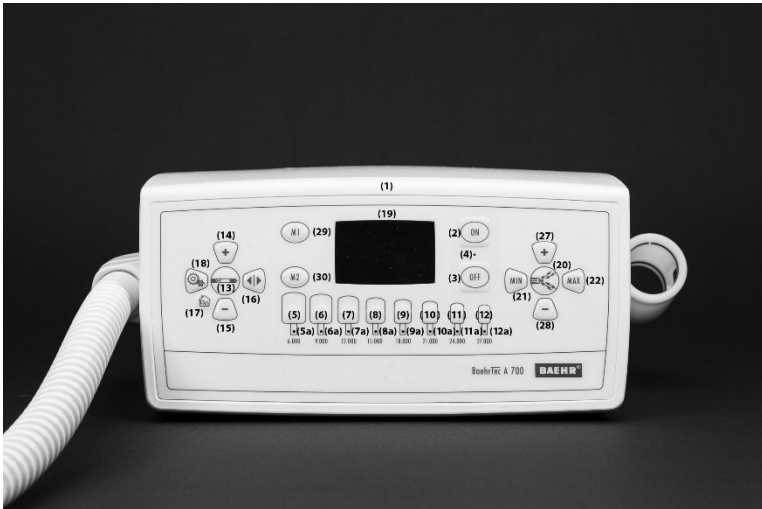


Fig. 4

(1) Control unit housing

Main switch: (2) "ON" and (3) "OFF" with corresponding (4) LED

(5) – (12) Push buttons for instrument speeds (6,000 – 27,000 rpm) with corresponding LEDs (5a) – (12a)

(13) Push button to switch handpiece motor on and off

(14) - (15) Push buttons handpiece speed + and - (1,000 rpm)

(16) Push button for instrument direction right/left

(17) Push button "Home"

(18) Push button "Options menu"

(19) Colour display

(20) Push button for operational readiness of suction

(21) Push button suction MIN & (22) Push button suction MAX

(27) - (28) Push buttons suction level change + and -

(29) - (30) Push buttons "Memory"

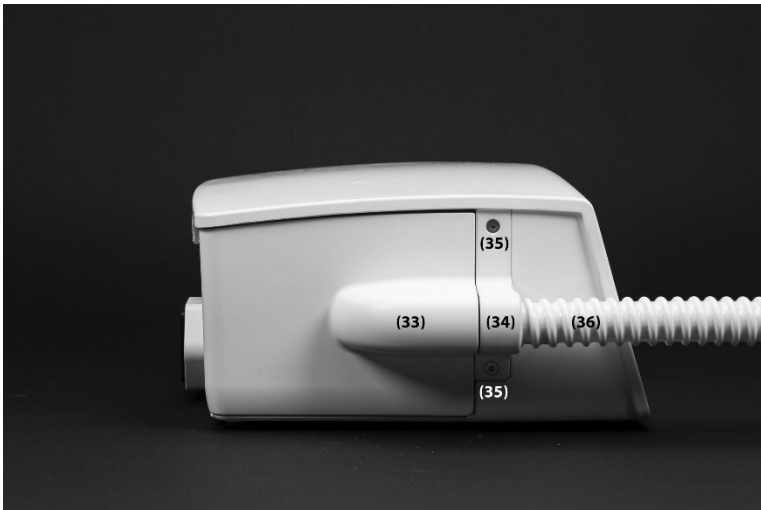
4.1.2 Side view with handpiece holder



Fig. 5

(32) Handpiece holder

4.1.3

Side view with dust bag lid (closed)*Fig. 6*

(33) Dust bag lid with handle

(34) Handpiece outlet

(35) Screws for handpiece outlet
Can only be unscrewed by the manufacturer

(36) Suction hose

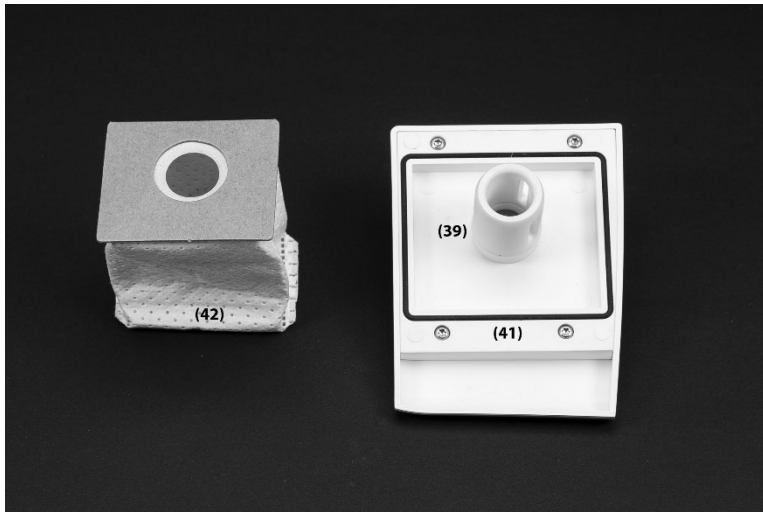
4.1.4 Side view without dust bag lid and turbine protection filter (open)



Fig. 7

(38) Filter grille (screwed tight)

4.1.5

Dust bag lid (interior)*Fig. 8*

(39) Receptacle for dust bag

(41) Rubber seal for dust bag lid

(42) Dust bag

4.1.6

Rear view

e

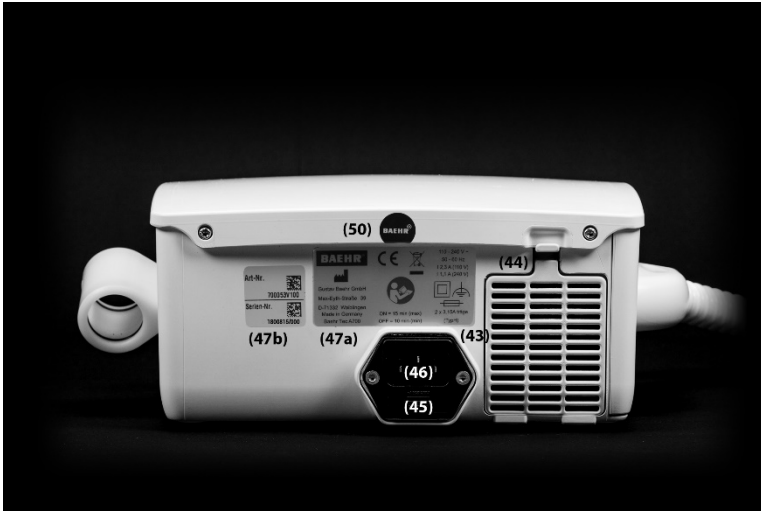


Fig. 9



When working out of the case, we recommend removing the storage tray from the case, so the heat created by the device can escape from the case and potential head build-up is avoided.

(43) Filter grille

The filter grille closes the filter cartridge (into which the filter is inserted)

(44) Filter grille clip**(45) Fuse clip**

For microfuses 2x 3.15 A delay (type H)

(46) Cold device plug

Only connect the cold device connection cable provided or one approved by the manufacturer.

(47a) Type plate**(47b) Serial no. plate**

The first two digits of the "serial no." indicate the year of manufacture in the format "YY" (e.g. "18" for the year 2018).

(50) Housing seal

As soon as the housing seal is broken or removed, all warranty claims expire.

4.1.7

Bottom view*Fig. 10***(49) Housing screws**

All housing screws can only be unscrewed by the manufacturer.

(51) Rubber feet (4x)

4.2 Handpiece description



Fig. 11

(36) Suction hose

(52) Opening for DIN instruments with standard shaft diameter according to DIN EN ISO 1797 amounting to 2.35 mm, cylindrical TYPE 2 **(for instruments with a max. diameter of 12 mm)**

(53) Handpiece sleeve (can be unscrewed)

(54) Handpiece cap

(55) Push button

max. instrument diameter no greater than 12 mm



Warning: Always observe the maximum permissible instrument diameter and the respective maximum permissible speed of the instrument manufacturer. Please make sure that these are never exceeded because it can result in serious injuries to the customer and the operator. Furthermore, the handpiece can vibrate. Please keep your safety and the safety of your customer in mind.



Only use diamond
and rust-free cutters
(not larger than fig.)

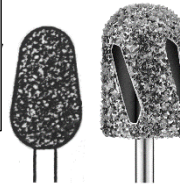


Fig. 12

Do not use any instruments that are larger than those shown on the front panel of the device!

4.3

Cold device connection cable description



Fig. 13

(56) Cold device coupling

(57) Cable

(58) Safety plug

4.4 Suction system description

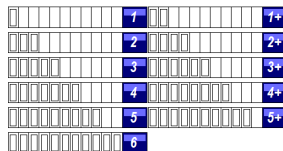
We placed a great deal of emphasis on operational safety and operating speed in the development of the suction system of the BaehrTec A700.

Therefore, first and foremost we would like to give you some insight into the operation of the suction system.

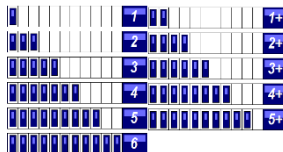
	You can work with the handpiece motor switched on if the suction system is disabled.
	However, you cannot work with the suction enabled if the handpiece motor is not running.
	As soon as the handpiece motor is running, the suction also always automatically switches on (barely noticeable). We deliberately chose to do this because this prevents the handpiece from becoming warm and also ensures that dust created by using the device is suctioned off to a minimum.
	If you do not turn on the suction yourself, we will describe this in the following as disabled suction. Please be aware that it is always running, even if you have not turned it on.

You can set the currently selected suction level using the button (20) at any time, so that it is **"Not ready for operation"** or **"Ready for operation"**.

"Not ready for operation" means that the suction system is not enabled, while the handpiece motor is running. This is indicated on the display by showing transparent bars in the bar graph (= suction not ready for operation).



"Ready for operation" means that the suction system is enabled, while the handpiece motor is running. This is indicated on the display by showing blue bars in the bar graph (= suction ready for operation).





If you press button (20) while the handpiece motor is running, the suction system will be immediately enabled/disabled.

If you press button (20) while the handpiece motor is not running, the suction system will be turned on or it will remain turned off as soon as you turn on the handpiece motor.



Here, ready for operation does not necessarily mean that the suction system is actually active because the suction system only becomes active, when the suction system is ready for operation and the handpiece motor is **also** in operation.

If the suction system is actually active, this will be indicated on the display by means of two additional symbols.

	This symbol is displayed if the suction system is currently not in operation with the suction level you set (suction off).
	This symbol is displayed if the suction system is currently not in operation with the suction level you set (suction on). <i>(Can only appear while the handpiece motor is running).</i>

Therefore, the following situations are possible:

Handpiece motor	Suction ready for use	Bar diagram on the display	Suction
Off	No	Transparent	Off
Off	Yes	Blue	Off
On	No	Transparent	Off
On	Yes	Blue	On

	This offers you the following advantage: If you set the suction so that it is "not ready for operation", you can always see which suction level you selected last. Now, if you would like to set the suction in the exact same way, all you need to do is simply press button (20) and the suction will be ready for operation again.
	As soon as you change the suction level by pressing the button (27) or (28) , this suction level is set as well as "ready for use". Therefore, you only ever have to press one button.

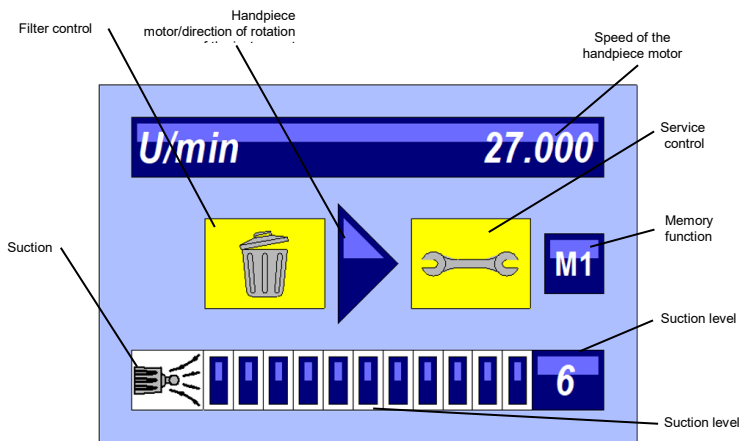
4.5 Colour display

The BaehrTec A700 has two operating modes, which are shown to you on the display:

- Work mode
- Adjustment mode (Options Menu)

4.5.1 Work mode

As the name suggests, you can operate and work with your device in "Work mode". As soon as you turn on your device, you are automatically in "Work mode". Here, the following information will be shown to you on the display

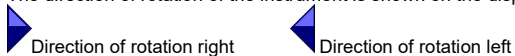


Speed of the handpiece motor

Here, you can see the rotational speed, which is currently set for the handpiece motor.

Handpiece motor/instrument rotation direction

The direction of rotation of the instrument is shown on the display



The handpiece motor is in operation when the arrow shown is blue. The arrow is transparent when it is not running.



Suction

	<p>This symbol is displayed if the suction system is currently not in operation with the suction level you set (suction off).</p>
	<p>This symbol is displayed if the suction system is currently not in operation with the suction level you set (suction on). (Can only appear while the handpiece motor is running).</p>

For more information, please refer to the previous section.

Suction level

The suction level you selected is shown to you here as text and as a bar graph. In the bar graph, you can also see whether the suction is currently enabled or disabled.

For more information, please refer to the previous section.

Filter control



As soon as the pores of the dust bag are clogged (dust bag is full), this is shown to you on the display by means of the filter control symbol. In this case, you have to replace the dust bag. (For information on how to change the dust bag, please refer to the section "Changing the dust bag").

Service control



The BaehrTec A700 has a service interval display. The service interval is 905 hours and refers to the operating hours of the handpiece motor as of delivery/the last time serviced. You **must** send your device for servicing, when the service key lights up on the display (or within 24 months; this time interval is not displayed by the device), to avoid extensive and costly repairs.



The service interval is actually 900 hours. But given that your device already has meter readings at the time of delivery, we have included a buffer of 5 hours for you as described in the following section.

4.5.2

Adjustment mode (Options Menu)

You can change settings and call up information on your device using the "Adjustment mode". As soon as you turn on your device, you are automatically in "Work mode". Then, to exit work mode and reach the options menu, please press the button **(18)**.



For your own safety, it is only possible to exit the work mode and switch to the options menu when the handpiece motor is turned off.







It will take approx. half a second to change to the next menu item, when scrolling through a menu level using the buttons **(14)** and **(15)**. This ensures that you have enough time, to take a look at all selection options.



Unlike the settings you make in work mode (except memory functions), the settings you make in the options menu will still be available to you even after switching off the device.

The options menu is set up as follows

Menu level 1	Menu level 2	Description
 Language	- German - English - French - Italian - Japanese - Russian - Spanish - Polish - Dutch	Set the desired language here
 Sounds	Different sounds / sounds off	Here, you can select the sound that will sound when you press a button or you can switch the sound off.
 Colour	Different background colours	Select your background colour here
 Information	- Operation - Handpiece - Turbine - Service in - Version	- Information on activation period - Handpiece motor operating hours - Operating hours of the turbines - When is servicing due next = (when will the Service Control symbol appear) - Version of your A700



Your BaehrTec A700 goes through various quality controls prior to delivery. In the process, your A700 undergoes a functional test amongst other things. Therefore, please do not be surprised if the device already has some meter readings. This is perfectly normal and does not mean that it is a used device.



For reasons of operational safety, we recommend that you do not disable the sounds!



You cannot make any changes in the Information menu item! This item is for viewing purposes only.



If you exceed the service interval, negative values will appear for "Service in", and the device will count the operating hours that have lapsed since the last service date.

You can navigate through the options menu using the following buttons

- Options menu button **(18)**
--> opens the options menu
--> switches from menu level 2 to menu level 1 and back to the work mode.
- Buttons for handpiece speed +/- **(14)** and **(15)**
--> scroll within menu level (cursor \updownarrow)
- Handpiece motor button **(13)**
Select (Enter) / Access menu level 2
- Home button **(17)**
--> Return to work mode

The magenta background indicates which menu item you are currently viewing.

The current settings are indicated by the "x" on the right side of the display.

4.6 Home Function (button (17))

This button has two functions:

By briefly pressing the Home button, you can directly access the Work mode from the options menu (see "*Work mode*" section).

By pressing this button for approximately 5 seconds, the base settings made in the factory will be restored:

- Speed of the handpiece motor = 6,000 rpm
- Direction of rotation of the instrument = clockwise
- Suction level = 4+
- Language = German
- Sound = Aqua
- Background colour = white

The set-up of the base settings cannot be changed.



All settings are reset (also the values of the memory buttons) to the factory settings by pressing the button for approx. 5 seconds. Of course the information (meter readings, etc.), is not affected by this.

4.7 Memory buttons (buttons (29) - (30))

Your device has two memory buttons, which you can use to save your preferred settings in Work mode. These settings are retained even if you turn off the device.

In order to save settings, please set them (instrument rotational speed, direction of rotation of the instrument and suction level) in Work mode and hold the memory button, where you would like to save these settings, for more than 2 seconds. Once the settings are saved, you will hear a sound and the respective memory storage space is shown on the display.

All memory buttons are factory pre-set as follows:

- Handpiece motor speed: 6,000 rpm
- Handpiece motor rotation direction: right
- Suction level: 4+



Please note that the selected adjustments are saved if you keep the memory button pressed for more than 2 seconds. This means that settings saved to this memory button up to that point will be lost.

To recall settings saved to a memory button, briefly press the desired memory button. The saved settings are then applied. This is indicated to you on the display by showing the corresponding memory button.



Please note that when briefly pressing the memory buttons, you only hear a sound after you remove your finger from the button.



The indication of the memory button only appears on the display if you select the settings using the memory button. If you (accidentally) make settings, which are saved to a memory button, the display does not show you that these settings are already stored to a memory button.

4.8 Attaching/detaching the dust bag lid to the control unit



Before you remove the dust bag lid from the control unit or attach it again, turn off the device using the main switch (3) and remove the safety plug (58) from the socket.

4.8.1 Detaching

To detach the dust bag lid from the control unit, please proceed as follows:

- 1) Hold the dust bag lid by the handle and lift it off the control unit. You can feel a slight resistance from the magnetic fasteners when lifting it.

4.8.2 Attaching

To attach the dust bag lid to the control unit, please proceed as follows:

- 1) Reattach the dust bag lid to the control unit. The magnets ensure that the dust bag lid is pulled towards the housing and therefore, closed.



Detaching Fig. 14



Attaching Fig. 15



When changing the dust bag, make sure that the dust bag is not caught between the control unit and the dust bag lid. If this is the case, remove the dust bag lid once again and make sure that the dust bag is not caught anywhere when closing.



Before you close the dust bag lid and resume your work, always make sure that the turbine protection filter (rectangular) is inserted and that you have attached an undamaged dust bag correctly in the receptacle (39) for the dust bag (42), so that no contamination can penetrate the turbine and damage the device.

4.9

Changing the filter



We recommend regularly changing the dust bag (at least once per week) as well as all filters at least every four weeks, to prevent excessive germ build-up. Do not put your health at risk!

Before we describe how to change the filter, we would like to provide you with some quick information on the filtration system in the BaehrTec A700.

1. Filter: Dust bag

To date, this filter has been proven and tested in many suction systems. It filters out the majority of dust particles. It is affordable, not too large and therefore, must be changed more often than a large dust bag. **This has the great advantage that you do not have a build-up of organic dust and pathogens in your filter system for long periods of time.** The dust bag is located in the suction chamber on the receptacle (39) for the dust bag (42).

If you require additional dust bags, you can reorder the microfibre dust bags (item no. 20701) as included in delivery.

2. Filter: Turbine protection filter

This filter prevents larger parts from entering the turbines (e.g. if you have forgotten to install a dust bag). The turbine protection filter is located in the filter chamber on the grille.

3. Filter cartridge

The filter cartridge includes several different fleeces with different features:

- **Sound-insulating fleece**
This fleece ensures that the suction noise is reduced and therefore, contributes to the pleasant volume of the A700.
- **Coarse filter fleece**
This fleece filters coarser particles from the extracted air
- **Ultra-fine filter fleece**
This fleece filters ultra-fine particles from the extracted air.
However, this fleece is also responsible for filtering viruses and bacteria from the extracted air (maximum separation rate 99.99%).
- **Carbon filter foam**
This fleece also ensures that odours are neutralized.

For information on how to change the fleeces of the filter cartridges, please refer to the section on "Changing the filters".



Before you change any of the filters, please turn off the device using the main switch **(3)** and remove the safety plug **(58)** from the socket.



Only the original dust bags and original filters can be used!



Please keep in mind that the dust bag fills up quicker, when working on artificial nails (due to the greater amount of removed material). Furthermore, always wear personal protective equipment (eye, mouth and nose protection), when working on artificial nails!




Used filters cannot be cleaned and the dust bags cannot not be emptied and then reused. Always use fresh filters and a new dust bag for each filter change.



Please dispose of used filters with residual waste. It is best to discard of them in a zip bag.

4.9.1

Changing the dust bag

It is important to change the dust bag immediately, as soon as the symbol for a dust bag change  lights up on the display. We recommend changing the dust bag weekly, to avoid excessive germ build-up.

If the icon for a dust bag change lights up, the suction system will no longer function at full capacity. If you do not observe this indication, the device will automatically switch back to suction level 3 within 30 seconds. This prevents the device from being damaged.

To change the dust bag, please proceed as follows:

- 1) Turn off the device using the main switch and disconnect it from the power supply.
- 2) Remove the dust bag lid from the control unit (see the section on "Detaching/attaching the dust bag lid from/to the control unit").
- 3) Remove the old dust bag from the receptacle **(39)**.

- 4) Clean the filter chamber and the dust bag lid each time you change the dust bag, to guarantee proper suction power and to prevent germ formation. Do not put your health at risk!



For cleaning, we recommend the Baehr wipes item no. 11000.

- 5) Carefully push the opening of the dust bag onto the receptacle (39), until the (cardboard) reinforcement of the dust bag locks into the slot on the dust bag lid.



Make sure that you do not damage the dust bag, when sliding it on and that you do not bend the seams.

- 6) Place the dust bag lid back on the control unit (see section on “*Detaching/attaching the dust bag lid from/to the control unit*”).

4.9.2

Changing the turbine protection filter



The turbine protection filter and all other filters must be replaced immediately if you have been working with your BaehrTec A700 without a dust bag (you forgot) or if a dust bag has burst.

To change the turbine protection filter, please proceed as follows:

- 1) Turn off the device using the main switch and disconnect it from the power supply.
- 2) Remove the dust bag lid from the control unit (see the section on “*Detaching/attaching the dust bag lid from/to the control unit*”).
- 3) Remove the old turbine protection filter from the suction chamber.
- 4) Clean the suction chamber, the dust bag lid, the grille and the magnetic fasteners on the control unit and the dust bag lid whenever a filter is changed.




For cleaning, we recommend the Baehr wipes item no. 11000.

- 5) Place a new turbine protection filter on the grille.

**Fig. 16**

- 6) Place the dust bag lid back on the control unit (see section on “*Detaching/attaching the dust bag lid from/to the control unit*”).

4.9.3 Changing the filters

You have to change the turbine protection filter and all other filters if you inserted a new dust bag and the symbol  for a dust bag change still lights up. You should also change the turbine protection filter and the other filters if you believe that the symbol for a dust bag change has lit up too early after successfully changing the dust bag. We strictly recommend changing the filters on a regular basis; at least every four weeks.

To change all filters, please proceed as follows:

- 1) Turn off the device using the main switch and disconnect it from the power supply.
- 2) The filter grille can be removed from the device by pressing the clip down and lifting the filter grille out of the device.



Fig. 17

- 3) Remove the filter grille **(43)** and all filters from the device and clean the filter cartridge and the removed filter grille using Baehr wipes item no. 11000 and dispose of the used filters in a zip bag with your household waste.
- 4) Now, insert new filters in the following order (starting from the device interior):
 Sound-insulating fleece **(a)**
 Coarse filter fleece **(b)**
 Ultra-fine filter fleece **(c)**
 Carbon filter foam **(d)**
 Filter grille **(e) / (43)**

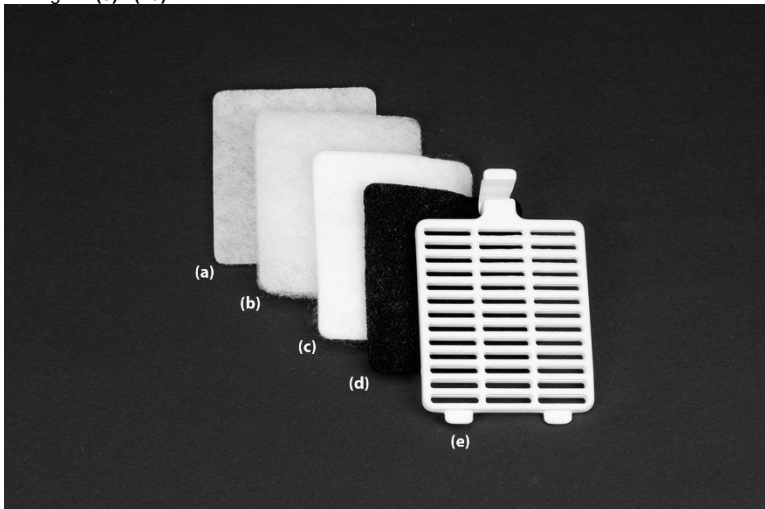


Fig. 18

- 5) Then, place the filter grille back into the device.



Fig. 19

4.10

Getting started

1. Please make sure that there is a dust bag in your BaehrTec A700. To do so, you have to detach the dust bag lid from the control unit (see section on *"Detaching/attaching the dust bag lid from/to the control unit"*). On the receptacle (39) on the inside of the dust bag lid, a dust bag is pushed on up to the stop. Furthermore, there is a turbine protection filter inside the suction chamber. If everything is OK, reattach the dust bag lid back to the control unit (see section on *"Detaching/attaching the dust bag lid from/to the control unit"*). If there is no dust bag, you have to insert a new dust bag before working with the device (see section on *"Changing the dust bag"*). Now, reattach the dust bag lid to the control unit (see section on *"Detaching/attaching the dust bag lid from/to the control unit"*).
2. Please ensure that the device has a secure footing, does not fall down and cannot be torn down and that the extracted air can escape easily. Switch the main switch (3) off.
3. Insert the included cold device connection cable (57) with the cold device coupling (56) into the cold device plug (46).
4. Plug the safety plug (58) into a proper safety outlet.
5. Now, switch on the BaehrTec A700 using the main switch (2). After a short LED check, the "Power ON" LED (4) and the LED for the largest instrument (6,000 rpm) (5) will light up.

The following items are set after each power on:

- Handpiece motor direction of rotation = right
- Handpiece speed = 6,000 rpm (LED illuminated)
- Handpiece motor = OFF
- Suction level = 4+
- Suction = ready for operation
- Suction = off (because handpiece motor = off)

These settings are also shown to you accordingly on the display. The BaehrTec A700 is now ready for use.

6. Now, hold the handpiece in one hand and insert an instrument with a shaft diameter of 2.35 mm as far as possible into the opening for DIN-instruments (**52**). Only use instruments with a standardized shaft diameter according to DIN EN ISO 1797 amounting to 2.35 mm, cylindrical TYPE 2. Given that the BaehrTec A700 has a quick-clamping mechanism, the instrument only needs to be (completely) inserted as deep as possible, to ensure a secure hold. The head of the instrument cannot be larger than the instrument head shown on the front panel (max. 12 mm).



Never use instruments with an oily, worn, scratched or bent shaft. Otherwise, there is no guarantee that your instrument can be held firmly in the handpiece! Furthermore, this can result in an imbalance occurring in the handpiece, which can damage it. The imbalance can also lead to compromising the secure hold of the instrument.



Caution risk of injury! Never attempt to insert or remove instruments into/out of the opening (**52**), when the handpiece motor is running. Instruments can only be changed when the handpiece motor is switched off.



The instrument heads indicated on the front foil are intended to help you identify the maximum speed for your instruments. However, before you work with an instrument, be sure to follow the manufacturer's instructions regarding the permitted maximum speed. Under no circumstances can the maximum speed specified there be exceeded. This poses a risk of injury and the risk of damaging your device.

7. Now, select the permitted maximum speed for the instrument you currently want to work with. The instrument heads depicted (max. diameter) and the associated speed should help you find the permitted maximum speed for your instruments quickly and safely. **Under no circumstances can the permitted maximum speed be exceeded;** otherwise the instrument or the handpiece can be damaged. This can also cause injuries due to broken instrument heads. The correct permitted maximum speed for the instrument you currently want to use can be found by comparing the instrument diameter on the front film with the instrument heads shown. Once you have found a match, press the on the depicted instrument head, which you have found to be correct. The permitted **maximum** speed is now set. The speed is shown on the display. Lower speeds are generally permitted for all of the instruments.

WARNING: This is a speed recommendation. Please refer to the data sheet of the instrument manufacturer, to find out the permitted maximum speed of the instrument. Under no circumstances can the permitted maximum speed be exceeded; otherwise the instruments or the handpiece can be damaged. This can also cause injuries due to broken instruments.



The speed ranges 6,000 and 10,000 rpm for the instruments with 12 mm diameter (abrasive caps/DiaTWISTER) are not designed to be used to remove calluses but rather to **smoothen** calluses (with little pressure).



To remove calluses, select instruments (abrasive caps/DiaTWISTER) with 10 mm diameter for the speed ranges 15,000 or 20,000 rpm.

8. No, turn on the handpiece motor using the push button **(13)** on the control unit or the push button **(55)** on the handpiece. The arrow on the display is now blue. Now, the instrument turns clockwise at the speed you have selected. You can now change the motor speed of the handpiece by pressing the buttons **(5) – (12)** however, you cannot exceed the highest permissible speed for the instrument being used. The selected speed is indicated on the display. You can change the instrument speed in steps of 1,000 using the buttons **(14)** and **(15)**.

Please note that by changing the rotational speed in steps of 1,000 (button **(14)** or button **(15)**), the maximal permissible instrument size also changes, as soon as you reach the next defined maximum rotational speed using the buttons **(5) – (12)**. This is shown to you with the blue LED in the instrument area **(5a) – (12a)**. The actual speed is shown on the display **(19)**.



E.g.

The speed is set to 6,000 rpm. Now, press the button **(14)** until you reach the next defined rotational speed (9,000 rpm = button **(6)**) by pressing the buttons **(5) – (12)**. Now, the LED for 9,000 rpm lights up automatically **(6a)**. This reminds you that a different maximum instrument diameter must be used.



The instrument heads indicated on the front foil are intended to help you identify the maximum speed for your instruments. However, before you work with an instrument, be sure to follow the manufacturer's instructions regarding the permitted maximum speed. Under no circumstances can the maximum speed specified there be exceeded. This poses a risk of injury and the risk of damaging your device.



The maximum speed for the instrument currently in use cannot be exceeded.



Make sure that you do not block the handpiece motor by overloading it. This can be the case for example if your instrument gets caught in something (such as a towel) while working. If this happens, switch off your device using the main switch as soon as possible or disconnect it from the mains as soon as possible.

As soon as the device is disconnected from the mains, remove the blockage and check your device for damage (e.g. instrument or handpiece damaged). Only reconnect the device to the mains and turn it on again if you do not find any damage. Now, check your device at a handpiece rotational speed of 6,000 rpm with a small instrument (max. Ø 7 mm) and carefully test the entire rotational speed range step by step. If everything is OK, you can continue your work carefully.

9. You can change the suction level using the push buttons **(27)** or **(28)** or set minimal suction with push button **(21)** or maximum suction with push button **(22)**. The selected suction level is shown on the display.



As soon as the handpiece motor is running, the suction also always automatically switches on (barely noticeable).

We deliberately chose to do this because this prevents the handpiece from becoming warm and also ensures that dust created by using the device is suctioned off to a minimum.

10. You can switch the suction function to "Not ready for operation" and in doing so, to off, using push button **(20)**.
11. You can turn the handpiece motor on/off using push button **(13)** on the control unit or push button **(55)** on the handpiece.



Please note that the suction is automatically switched off as soon as you turn off the handpiece motor.

12. You can switch the direction of the handpiece motor to counterclockwise or clockwise (for righties or lefties) using push button **(16)**. This is shown on the display, when the arrow indicating the direction of rotation points in the other direction.



You can change the direction of rotation while the handpiece motor is running.

- 13. You can make changes
 - o before the handpiece motor is running
 --> when switching on the handpiece motor, the device operates with the preset values
 - o while the handpiece motor is running
 --> the changed settings will take effect immediately

14. If the display shows the symbol for a dust bag change, it is time to change the dust bag. In this case, the suction system will no longer work at full capacity. If you do not observe this indication, the suction will switch back to level 3 automatically within 30 seconds. This prevents the device from being damaged. (For information on how to change the dust bag, please refer to the section on "*Changing the dust bag*").

We are confident that you will quickly become accustomed to working with your BaehrTec A700 safely and properly and wish you all the best doing so!

4.11 Instrument changing aid (insertion and removal aid for very small instruments)

To supplement your Easy-Clean clamping mechanism, we have developed an instrument changing aid, to make it easier for you to change (remove and insert) very small instruments (instrument diameter approx. 1.5 mm – approx. 5.0 mm).

	It is essential that you read this section with the utmost care! It contains important information on protecting yourself, others and the device from damage! It can only be used by trained professionals.
	Never change an instrument on a device that is still connected to the mains. First, turn off the device using the main switch and disconnect it from the power supply.
	Caution risk of injury! Never try to change the instrument on the handpiece while the handpiece motor is running. The handpiece motor must be switched off.
	Only use the appropriate tool to change the instrument. Other types and fields of application are carried out at your own risk, and can pose risks. No type of misuse is permitted. Improper use can lead to damage to persons or objects. The manufacturer cannot be held responsible for damages caused by improper use, unqualified personnel or incorrect operation. All warranty claims are void following improper use.
	Clean the instrument changing aid after each use and make sure that it is always in a perfect hygienic condition before use.
	For reasons of hygiene, please clean the instrument changing aid after use under running water and then, with Baehr quick surface disinfectant (item no. 11015).
	The images are for illustrative purposes only and do not necessarily depict the BaehrTec A700. Subject to technical and optical changes.

Insert

Insert the instrument shaft into the clamping mechanism on the handpiece.

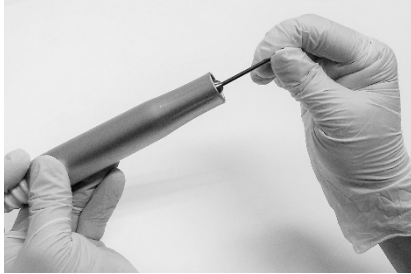


Abb.20

Hold the instrument changing aid horizontally to the handpiece.




Abb.21

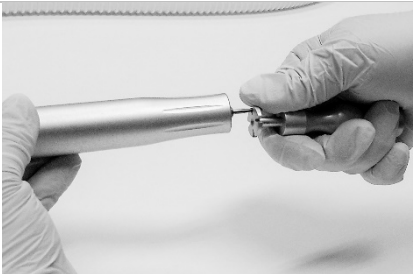
With the countersink on the head of the instrument changing aid, insert the instrument into the handpiece up to the stop.

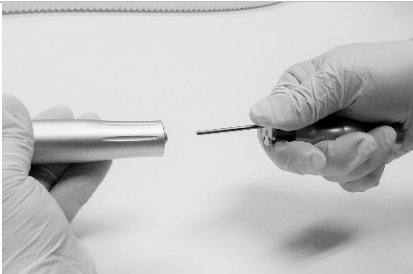


Fig. 22

Pull out

<p>Hold the instrument changing aid horizontally to the handpiece.</p>	 <p style="text-align: right;">Abb.23</p>
--	---

<p>Position the instrument head behind the notch on the instrument changing aid. Place your thumb over the notch on the instrument changing aid, so that the instrument does not drop when being pulled out.</p>	 <p style="text-align: right;">Abb.24</p>
--	---

<p>Carefully remove the instrument from the clamping mechanism on the handpiece with the instrument changing aid.</p>	 <p style="text-align: right;">Abb.25</p>
---	--

For detailed video instructions on using the instrument changing aid, which supplements this information sheet, please go to www.fusspflege.com/easy-clean.

To access the website directly, please scan the QR code with your smartphone and an appropriate app.



5 **Servicing and care**5.1 **Safety information**

Never perform cleaning work or change a filter on a device that is still connected to the mains.



Before sending in the device, it is essential that you remove the dust bag!!!



Make sure your device is in an immaculate hygienic condition before sending it in for servicing. Possible cleaning work is always charged.



Due to safety regulations, you are required to carry out an individual risk assessment for your electronic devices. On this basis, you are obligated to have your devices inspected. We recommend having your devices inspected once a year.



Always send in your device with the original power cable.

5.2 Care (cleaning and disinfection)

To prevent transmitting pathogens, the requirements of the nationally responsible authorities for hygiene and disinfection must be observed.

For cleaning and disinfection, we recommend the Baehr wipes item no.11000 or a non-alcohol-based surface disinfectant, which potentially covers the existing bacterial spectrum. The disinfectants and cleaning agents must be used according to the manufacturers' instructions.



Do not use any acids, strong alkalis, solvents or corrosive agents for cleaning purposes.



When using disinfectants, a slight lightening or dulling of surfaces can occur. However, this will have no effect on the function or the safety of the device.



Never immerse the device in water or any other liquids; this poses a risk of electric shock.



Under no circumstances can disinfection spray be used because that would allow moisture to penetrate the device, which could lead to bearing damage or electronic damage or even pose a risk of an electric shock!

Clean the outside of the handpiece and the panels of the device after each treatment by wiping them down with disinfectant (observe application times, do not dry off and allow to evaporate before the next treatment). To do so, we recommend the BAEHR wipes for quick disinfection (item 11000, 11001, 11044).

Clean and disinfect the handpiece every work day as follows: Turn off the device using the main switch and disconnect it from the power supply. Unscrew the outer handpiece sleeve ((53) Fig. 11) from the handpiece cap ((54) Abb.11). Clean the handpiece cap with a small, soft brush and wipe it down with the BAEHR wipes for quick disinfection (Item 11000, 11001, 11044). The handpiece cape with the electronic parts of the handpiece cannot, under any circumstances, be placed in any liquid.

Wipe down the handpiece sleeve on the outside with disinfectant and on the inside with a cleaning and disinfection cloth, which does not have fixing properties (we recommend the BAEHR wipes for quick disinfection, 5 min. (Item 11000, 11001, 11044).

You can find more manufacturer information (on cleaning, disinfection and sterilization of the rotating instruments) on our website www.fusspflege.com in the download section of the customer portal.



We recommend regularly changing the dust bag (at least once a week) and all filters at least every four weeks (even if the filter display does not indicate a filter change), to prevent excessive germ build-up. Do not put your health at risk.

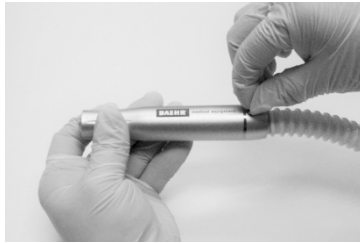
5.2.1 Cleaning the handpiece button

If your handpiece button is dirty or the button no longer functions correctly, then proceed as follows:

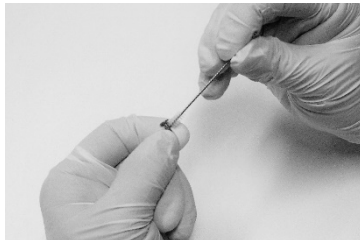
Switch off your device using the main switch and disconnect the device from the mains.

Please wear personal protective equipment for the cleaning process (suitable disposable gloves).

Take the button pusher between your thumb and forefinger and pull it out from the button housing.

**Fig. 26**

Clean the button pusher and the button housing with a brush.

**Fig. 27****Fig. 28**

Next, wipe the button pusher and button housing with Baehr quick surface disinfectant (item no. 11015).

**Fig. 29**

Apply a little sewing machine oil to the button pusher with a cotton swab and reinsert it into the button housing.



Fig. 30

Check whether or not functioning has been restored by pushing the button pusher with your finger.



Fig. 31

5.2.2 Easy-Clean clamping mechanism






We are delighted to inform you that your handpiece includes our newly developed, innovative and patented Easy-Clean clamping mechanism (hereinafter referred to as "Easy-Clean").



In a conventional clamping mechanism, the dirt, which accumulates when working, can cause an instrument you are operating with your handpiece to stop, even though the motor is running. This can also be accelerated by creams, oils, greases or the like. The consequence: The clamping mechanism is no longer functional or only functional to a limited extent and in the passed, would have to have been sent to the factory for maintenance and cleaning. To save you from having to do this in future, we developed Easy-Clean. You can easily clean Easy-Clean yourself without any great expense or effort.

The Easy-Clean grips need to be cleaned at least once a month!

Recommendation: In the case of an average of 8 to 10 treatments per day, you should clean the grips every 14 days with the tool supplied. If you prefer cleaning the grips every day due to reasons of hygiene – as well as the device itself – please only use the clamping mechanism cleaner 2 (brush) with alcohol.

	<p>It is essential that you read this section with the utmost care! It contains important information on protecting yourself, others and the device from damage! It can only be used by trained professionals.</p>
	<p>Never perform cleaning work or change a filter on a device that is still connected to the mains. First, turn off the device using the main switch and disconnect it from the power supply.</p>
	<p>Caution risk of injury! Never try to perform cleaning work on the handpiece while the handpiece motor is running. The handpiece motor must be switched off.</p>

	<p>Only the appropriate tool should be used to clean Easy-Clean. Other types and fields of application are carried out at your own risk, and can pose risks. No type of misuse is permitted.</p> <p>Improper use can lead to damage to persons or objects.</p> <p>The manufacturer cannot be held responsible for damages caused by improper use, unqualified personnel or incorrect operation.</p> <p>All warranty claims are void following improper use.</p>
	<p>The clamping mechanism cleaner can only be used for Easy-Clean (developed for self cleaning). Under no circumstances can the clamping mechanism cleaner be used on conventional clamping mechanisms, which are not intended for self cleaning; this would cause immediate damage to the clamping mechanism.</p>
	<p>Clean the clamping mechanism cleaner 1 after each use and make sure that it is always in a perfect hygienic condition before use.</p> <p>We recommend a brush (item no. 34914), to clean the clamping mechanism cleaner 1.</p>
	<p>For reasons of hygiene, please clean the clamping mechanism cleaner 2 after use under running water and then, place it in an appropriate surface disinfectant (e.g. BAEHR quick surface disinfectant, 5 min. item no. 11002) and then, rinse off the disinfectant with water and then, alcohol.</p>
	<p>The images are for illustrative purposes only. Subject to technical and optical changes.</p>

<p>1x Clamping mechanism cleaner 1 Universal stainless steel Item no.: 40287</p>	
<p>1x Clamping mechanism cleaner 2 (Cleaning brush for Easy-Clean) Item no.: 40269</p>	

To clean Easy-Clean, please proceed as follows:

1. **Turn off the device using the main switch and disconnect it from the power supply. Never clean the device while the handpiece motor is still running! Risk of injury! Moreover, the clamping mechanism will suffer damage! Do not put your health at risk!**
2. Put on disposable gloves and pick up the handpiece.
3. Now, press on the top of the handpiece with your thumb. By holding the tip with the disposable glove, you prevent the tip from turning while your cleaning (see Fig. 34).
4. Insert the clamping mechanism cleaner 1 without pressure as far as possible into the opening of your handpiece and turn the clamping mechanism cleaner 1, pressing slightly to the left and right (see Fig. 35).
5. Now, pull out the clamping mechanism cleaner 1 from the opening. Next, remove the dirt from the grooves on the clamping mechanism cleaner 1 using a small brush. Repeat the cleaning process until you cannot remove any more dirt.
6. After use, clean the clamping mechanism cleaner 1 with Baehr quick surface disinfectant (item no. 11002).
7. Now, remove any remaining contamination with the clamping mechanism cleaner 2 by inserting it as deep as possible into the opening on your handpiece and then, turning to the left and right (see Fig. 36).
8. Next, pull the clamping mechanism cleaner 2 back out of the opening.
9. Only clean the clamping mechanism cleaner 2 with water first and then, with Baehr quick surface disinfectant (item no. 11002) and then, with Baehr Alcohol (item no. 11032), to degrease the tool.



Fig. 32



Fig. 33

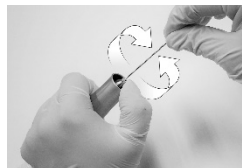


Fig. 34

You can also clean Easy-Clean in the event that cream, fat, oil or the like gets into the clamping mechanism.

To do so, proceed as follows.

1. **Turn off the device using the main switch and disconnect it from the power supply. Never clean the device while the handpiece motor is still running! Risk of injury! Moreover, the clamping mechanism will suffer damage! Do not put your health at risk!**
2. Moisten the clamping mechanism cleaner 2 with alcohol (item no. 11032) (**never** use lubricating disinfectant or other greasy substances because Easy-Clean can otherwise cease to function properly).
3. Insert the clamping mechanism cleaner 2 into the opening of your handpiece and turn it to the left and right.
4. Remove the clamping mechanism cleaner 2.
5. Now, leave the handpiece to air for at least 3 minutes.

Your handpiece is now once again ready for operation.

If your handpiece still does not function correctly in spite of these cleaning measures or if you have any questions about the cleaning process, please contact us.

For detailed video instructions on cleaning the Easy-Clean grips, which supplements this information sheet, please go to www.fusspflege.com/easy-clean.

To access the website directly, please scan the QR code with your smartphone and an appropriate app.



5.3 Warranty

The warranty period is 24 months.

There is no liability for defects or their consequences, which are caused by natural wear and tear, improper cleaning, care or maintenance, non-observance of regulations for operation, maintenance or connection, contaminants in the air supply, unusual or prohibited chemical or electrical influences, unless the supplier is to blame for them.

Wear parts are in particular: Handpiece bearing, clamping mechanism for instruments, bearing of handpiece motor as well as cable break.

The colour fastness of plastics and paints is not covered by the warranty. The same applies to cable breaks.

Damage to the device, which is caused by improper handling or falling down, is not covered by the warranty.

There is no liability for defects or their consequences, which are the result of improper intervention or modifications made by the customer or by third parties, which were not approved by the supplier in advance.

5.4 Recycling/disposal

Used devices must be disposed of as electronic scrap and do not belong in household waste. Please refer to the country-specific particularities in this respect.

The resulting waste must be recycled or disposed of in a way that is not hazardous to humans or the environment. In the process, please observe the applicable national regulations as well as your regional public disposal systems.

The device is subject to the EC Directive 2012/19 on Waste Electrical and Electronic Equipment (WEEE). Therefore, we would like to point out that the device must be disposed of in line with these special requirements within Europe at the end of its service life.

Incorrect or improper disposal endangers our environment

5.5 Self-help in the event of malfunctions

Malfunction	Cause	Solution
Control unit without function	<ul style="list-style-type: none"> • Main switch off • Control unit not connected to power supply • Connecting outlet without power • Mains cable not contacted correctly (plugged in) • Fuse(s) problem (see section 5.5.1 Replacing fuses) 	<ul style="list-style-type: none"> • Turn on main switch • Connect device to power supply • Connect the device to a functional socket • Cold device coupling correctly into the cold device socket • Check main fuse and replace if necessary <p>The device must be switched off and disconnected from the power supply before checking the fuses.</p>
Filter indicator lit	<ul style="list-style-type: none"> • Handpiece clogged • Dust bag is full • Turbine protection filter in suction box is clogged • Filter cartridge is clogged 	<ul style="list-style-type: none"> • Unscrew the front panel and clean the handpiece. It is essential that the device is first turned off and disconnected from the mains! • Change dust bag • Change turbine protection filter • Change filter in cartridge
Low suction power and the device gets hot	<ul style="list-style-type: none"> • Filter indicator ignored • Handpiece clogged • Dust bag is full • Turbine protection filter in suction box is clogged • Filter cartridge is clogged • Exhaust is blocked • Dust bag lid is not properly closed • The seal from the guide on the control unit or on the handpiece outlet has slipped, is dirty or defective 	<ul style="list-style-type: none"> • Regularly check the filter indication display • Unscrew the front panel and clean the handpiece. It is essential that the device is first turned off and disconnected from the mains! • Change dust bag • Change turbine protection filter • Change filter in cartridge • Please ensure that the extracted air can escape easily from the back of the device • Properly close the dust bag lid • Check O-rings and replace as required. Clean filter box, gasket groove and dust bag lid.
Malfunction	Cause	Solution

Instruments do not hold	<ul style="list-style-type: none"> • Maximum permitted speed for instrument in use is exceeded • Instrument shaft worn • Instrument shaft bent • Instrument not correctly inserted in clamping mechanism • Cream, ointment or the like on instrument shaft • Too much work pressure on instrument • Pulling movement while working 	<ul style="list-style-type: none"> • Only work with the maximum permissible speed for the instruments used • Check the instrument shaft and use a new instrument if necessary • Urgently replace instrument • Insert instrument up to the stop in clamping mechanism • Clean instrument. Work with small instruments until larger instruments start to clamp securely again. During operation, always make sure that the handpiece tip and the instruments are clean. • Reduce pressure • Avoid pulling
Suction turbine switches to suction level 3 during operation	The dust bag, turbine protection filter and filter cartridge are full, the device will automatically switch to suction level 3, to prevent damage due to a rise in the temperature	Change all filters and the dust bag and make sure that the extracted air can escape easily from the back of the device.
Handpiece vibrates; handpiece is loud with instruments used	<ul style="list-style-type: none"> • Maximum permitted speed for instrument in use is exceeded, • instrument defective (bent, shaft worn, etc.) 	<ul style="list-style-type: none"> • Only work with the maximum permissible speed for the instruments used • Use new instruments.
Push button on handpiece blocked or is difficult to enable	Handpiece or handpiece button soiled	Clean the push button

If one of these malfunctions still persists despite having followed these instructions, please send the unit to the customer service team.

Furthermore, please get in touch with the manufacturer for each fault / each malfunction in cases of doubt.

5.5.1 Change fuses



The microfuses protect your device from damage caused by high currents.
Warning: only these fuses are permitted for the A700 device:
2X microfuse, 3.15 A delay (type H)

Switch off your device using the main switch and disconnect the device from the mains. Use a screwdriver to open the fuse compartment on the cold device socket.



Fig. 35

Replace the microfuses in the compartment.
Now, push the compartment back into the cold device socket.
Make sure that the compartment snaps into place in the device socket.
Reconnect the power cable to the control unit.
If your device is still not working, please send it to us for servicing.



Fig. 36

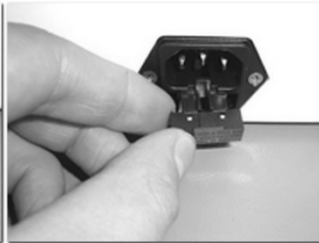


Fig. 37

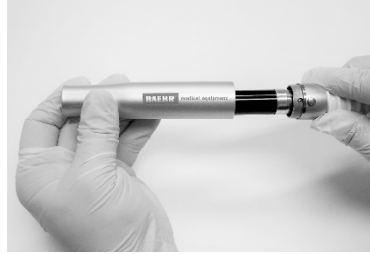
5.5.2 Changing the dampers for the handpiece sleeve

If you notice that the handpiece motor no longer sits comfortably in the handpiece sleeve, this means that the dampers for the handpiece sleeve are worn.

To change the dampers for the handpiece sleeve, please proceed as follows:

Switch off your device using the main switch and disconnect the device from the mains.

Unscrew the handpiece sleeve from the handpiece cap.

**Fig. 38****Fig. 39**

Take the nine dampers for the handpiece sleeve from the slots on the handpiece motor (possibly using a pair of tweezers) and dispose of these properly.

**Fig. 40**

Now, reinsert the new dampers for the handpiece sleeve. Make sure that the three dampers, which each need to be inserted in the middle, are somewhat longer than the six dampers, which each need to be inserted on the outside. The colour of the dampers is not necessarily important. Now, insert each of the three longer dampers in the middle.

Next, insert each of the six shorter dampers on the outside. Press down on all of the dampers once again after that.

**Fig. 41**

Now, screw the handpiece sleeve back onto the handpiece cap.



Fig. 42

6 **Technical specifications****BaehrTec A700**

Operating voltage	110 – 240 V AC voltage
Frequency	50 – 60 Hz
Micromotor speed range	6,000 – 27,000 rpm adjustable
Accuracy of the speeds	6,000 – 10,000 rpm, tolerance +/- 25% 10,001 – 20,000 rpm, tolerance +/- 20% 20,001 – 27,000 rpm, tolerance +/- 10%
Power consumption	Max. 150 W
Working voltage	48 V
Control unit dimensions (w x d x h) in mm (without handpiece outlet, without handpiece holder)	260 x 180 x 100
Overall weight (without power cable)	Approx. 1.8 kg
Handpiece dimensions (w x min. Ø x max. Ø) in mm	~117 x ~19 x ~24
Weight handpiece	Approx. 102 g
Ambient temperature (operation)	+10° - +35° C
Storage temperature	-5° - +40 °C
Humidity	30% - 85%
Permitted air pressure	800 hPa - 1060 hPa
Volume flow at max. performance	210 l +/- 10%
Max. vacuum (suction level 6) with filter and dust bag	- 70 mbar +/- 10%
Fuse	2X microfuse, 3.15 A time-lag (type H)
IP rating 30	Not protected against water Protection against ingress of solid foreign objects with a diameter > than 2.5 mm
Volume <i>Measurement conditions: Device on foam pad (20 mm) from the front; distance 1m; dust bag used; turbine protection filter inserted; filter cartridge including filters, handpiece displaced 1m from the control unit and covered with hood. Extracted air flows freely, not discharging in the direction of the sound-level measurement device. Handpiece speed: 6,000 U/min</i>	49 dB to 56 dB +/- 10%

Subject to visual and technical changes.

Notes

Spare parts/accessories

- Baehr wipes
Item no.: 11000
- Baehr wipes refill bag
Item no.: 11001
- Baehr quick surface disinfectant
Item no.: 11015
- Baehr alcohol
Item no.: 11032
- Dust bags for BaerTec A700 (pack of 5)
Item no. 20701
- Replacement filter set for BaehrTec A700
Item no.: 20702
- Brush
Item no.: 34916
- Easy-Clean tool set
Item no.: 40279
- Dampers for handpiece sleeve (set)
Item no.: 40286
- Power cable case, short for BaehrTec A2000 (suitable for A700)
Item no.: 40796
- Power cable with straight cold device connector
Item no.: 2097006
- Handpiece front part replacement set
Item no.: 40300

Contact address & manufacturer

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