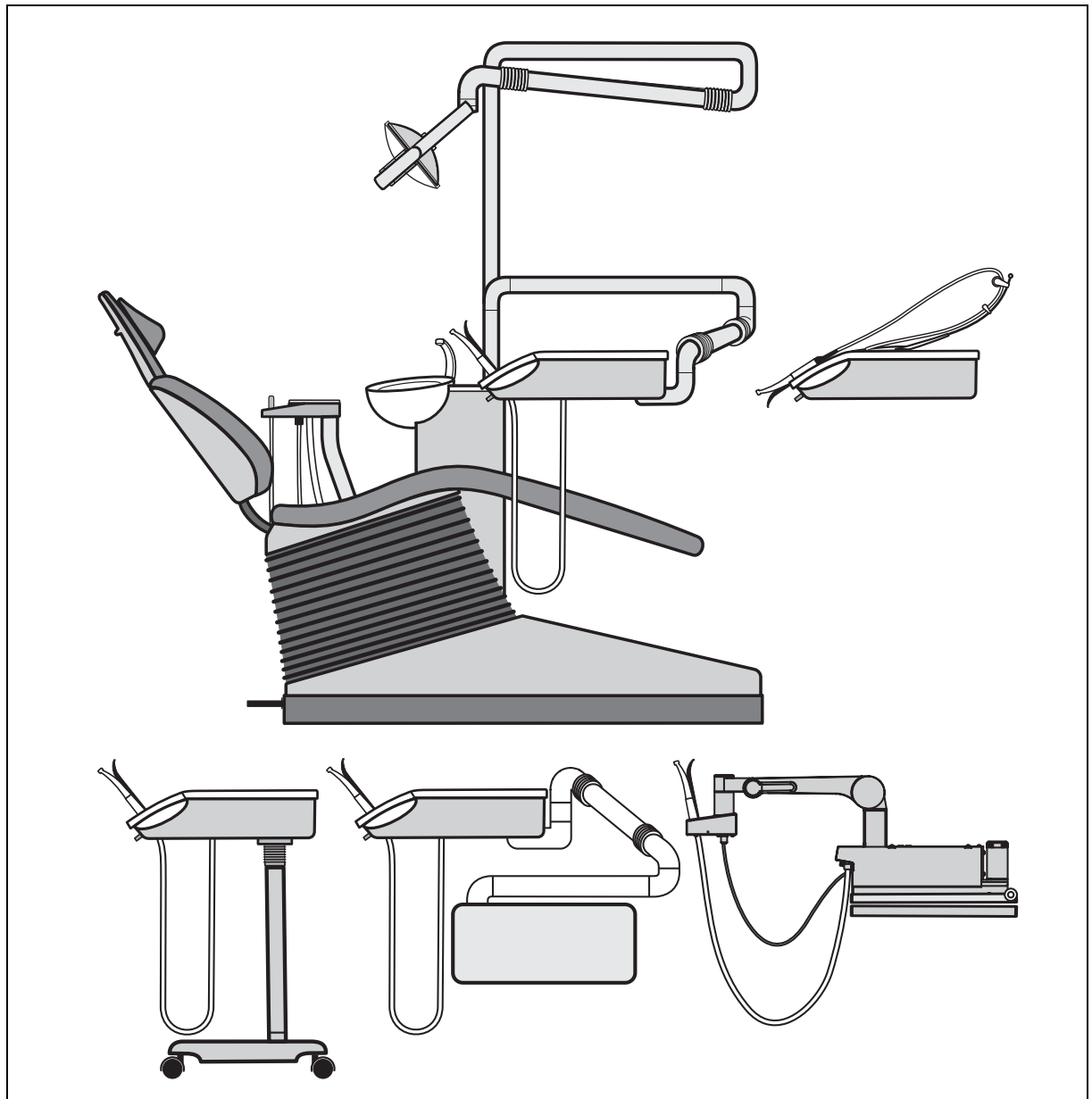


# C8<sup>+</sup>, C8<sup>+</sup> Turn

## Operating Instructions

English





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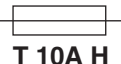






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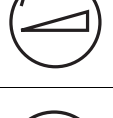
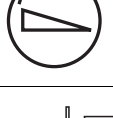

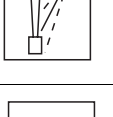

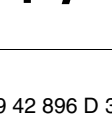
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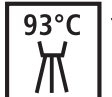











# 1





## Explanation of the symbols used






| Symbol  | Explanation             |
|---|-------------------------|
|    | ON                      |
|    | OFF                     |
|    | CAUTION                 |
|    | Fuse                    |
|    | Clean with water        |
|  | Warning of danger       |
|  | Emergency stop function |
| <b>NO</b>   | Wrong                   |
|  | no/not OK               |
| <b>o.k.</b>   | Right                   |
|  | Maximum load            |
|  | Wrong                   |
|   |                         |

| Symbol  | Explanation   |
|---|---|
|    | Patient chair up  |
|    | Patient chair down  |
|    | Patient chair upright   |
|    | Patient chair inclined  |
|   | Factory settings  |
|  | Activate chair program S, rinsing position (Last memory function) |
|  | Activate chair program 0, entry/exit position                     |
|  | Activate chair program 1, upper jaw treatment position            |
|  | Activate chair program 2, lower jaw treatment position            |
|  | Individual programming, rinsing position S                        |
|  | Individual programming, entry/exit position 0                     |
|  | Individual programming, upper jaw treatment 1                     |
|  | Individual programming, lower jaw treatment 2                     |

| Symbol  | Explanation  |
|---|--|
|    | Short acoustic signal                              |
|    | Long acoustic signal                               |
|    | Time in seconds                                    |
|    | Time in minutes                                    |
|    | Stop chair movement                                |
|   | Brake applied                                      |
|  | Brake released                                     |
|  | Speed increase                                     |
|  | Speed reduction                                    |
|  | Observe operating instructions of the manufacturer |
|  | Spray cooling                                      |
|  | Changing the intensity of spray air/spray water    |
|  | Increase/reduction of a variable                   |

| Symbol  | Explanation   |
|---|---|
|    | Can be sterilized in the autoclave at 135°C/275°F               |
|    | Can be thermoisinfected in the thermoisinfector at 93 °C/197 °F |
|    | 3-way syringe – water   |
|    | 3-way syringe – air   |
|    | 3-way syringe – spray   |
|   | Can be set only by the service engineer                         |
|  | Tumbler filler  |
|  | Cuspidor flushing   |
|  | Press and hold key  |
|  | Release key   |
|  | Press key briefly   |
|  | SIROLUX E/<br>SIROLUX FANTASTIC<br>Maximum brightness           |
|  | SIROLUX E/<br>SIROLUX FANTASTIC<br>Reduced brightness           |

| Symbol  | Explanation            |
|---|------------------------|
|  | Heat dissipation       |
|  | Approximately          |
|  | Tap water              |
|  | After consulting hours |
|   |                        |

| Symbol  | Explanation                          |
|---|--------------------------------------|
|  | or                                   |
|  | Amalgam recycling                    |
|  | CW rotation of electric micromotor   |
|  | CCW rotation of electric micro-motor |
|  | Reprogramming                        |

# 2

## Warning and safety information

### 2.1

#### General warning and safety information

##### Intended use

This dental treatment center is intended for diagnosis, therapy and dental treatment of humans by properly trained personnel.

This unit is not intended for operation in areas subject to explosion hazards.

##### General safety information

**The unit may only be operated by properly trained personnel.**

The “**on-site installation**” must have been performed according to our requirements.

As manufacturers of dental medical equipment and in the interest of the operational safety of your system, we stress the importance of having **maintenance and repair** of your treatment center performed only by ourselves or by agencies expressly authorized by us. Furthermore, safety-critical system components must always be replaced with **original spare parts** upon failure.

When having such work done, we suggest that you request a certificate stating the type and extent of work performed, including information about any modifications of the rated parameters or of the operating ranges (if applicable), as well as the date, name of organization and signature. Modifications to this system which might affect the safety of the system owner, patients or other persons are prohibited by law!

For reasons of product safety, this product may be operated only with original Sirona accessories or third-party accessories expressly approved by Sirona. The user is responsible for any damage resulting from the use of non-approved accessories.

If any equipment not approved by Sirona is connected, it must comply with the applicable standards:

EN 60950 for information technology equipment (e.g. PCs), and  
IEC 60601-1 for medical electrical equipment.

##### Combination with other equipment

Any person who assembles or modifies a medical electrical system complying with the standard IEC 60601-1-1 (safety requirements for medical electrical equipment) by combining it with other equipment (e.g., by connecting it with a PC) is responsible for ensuring that the requirements of this regulation are met to their full extent for the safety of the patients, the operators and the environment.

**In case of doubt, contact the manufacturer of the system components.**

### Electromagnetic compatibility (EMC)

The C8<sup>+</sup>, C8<sup>+</sup> Turn complies with the requirements of IEC 60601-1-2: 2001.

Medical electrical equipment is subject to special precautionary measures regarding EMC. It must be installed and operated in compliance with the specifications provided in the document "Installation Requirements" for the respective treatment center.

Portable and mobile RF communications equipment may interfere with medical electrical equipment. Therefore, the use of mobile wireless phones in practice or hospital environments must be prohibited.

#### With video systems:

Electromagnetic disturbances in the environment of the treatment center may result in reduced image quality. In such cases, it is advisable to repeat the exposure before saving the image.

When a line drop occurs, the image data stored in the video camera may be lost. Deposit the camera and repeat the exposure.

Image artifacts may possibly occur as a result of radio-frequency interference caused by the transmitters of e.g. radio services or radio amateurs.

### Influencing of cardiac pacemakers

The treatment center contains strong magnets. These magnets can affect cardiac pacemakers implanted in patients, users and technical personnel.

Therefore, please observe the safety information on page 25.

### Identification of warning and safety information

To avoid personal injury and material damage please also observe the warning and safety information provided in the present operating instructions. All such information is highlighted by the signal words **NOTE**, **CAUTION** or **WARNING**.

### Symbols used



Observe accompanying documents (on rating plate of chair)

### Ventilation slots

Under no circumstances may the ventilation slots on the unit be covered, since otherwise the air circulation will be obstructed.

Do not spray disinfectants or other similar products into the ventilation slots.

### Water/air supply quality

Air and water supply must meet the requirements specified in the installation instructions.

Use only clean water and, wherever this is not possible, use the fresh water bottle (option).

### Water quality compliance

To ensure compliance with the medical and national legal requirements for water from treatment centers, Sirona recommends equipping the treatment center with a disinfection system. As owner of the treatment center, you are responsible for the water quality and may have to take alternative measures to ensure its compliance if you operate the treatment center without a disinfection system.

Please contact your specialized dealer or your relevant dental association for the respective national requirements and measures.

### DVGW approval

Treatment centers with a disinfection system have a DVGW approval. This approval of the treatment center expires if a media block is installed in the base of the chair (see page 36 and page 74).

### **Vacuum system**

The suction removal of aluminum and other metal oxides from blasting devices via the automatic separator and the amalgam separator integrated in the treatment center is prohibited!

This would cause extreme wear and clogging of the suction and water paths.

A separate vacuum system must be used in connection with metal oxide blasting devices.

Treatment centers equipped with a central wet suction system are generally suitable for suction removal of the above material. However, make sure to observe the instructions provided by the manufacturer of your vacuum system.

No restrictions apply when using salt blasting devices in connection with Sirona treatment centers. However, in such cases, make sure that the system is subsequently flushed with an adequate amount of water.

### **Cuspidor**

Do not use any foaming domestic cleaning agents!

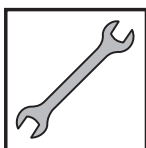
### **Electric micromotors in dentist element**

Intermittent operation: 1 min. ON – 7 min. OFF with a motor current of 1.5 A.

### **Drive motors for chair and backrest**

6% duty time, cycle time 250s.

### **Maintenance of the treatment center**



Despite the outstanding quality of your treatment center and regular care by the practice team, it is required in the interest of operational safety that preventive maintenance be performed at scheduled intervals.

In order to ensure the operational safety and reliability of your treatment center and to avoid damage due to natural wear, you as the system owner must have your system checked regularly by an authorized service engineer from your dental depot. Furthermore, safety checks must be performed.

Please contact your dental depot to obtain a maintenance offer.

For details please refer to chapter 3 "Maintenance".

### **Dismantling and reassembly**

When dismantling and reassembling the system, proceed according to the installation instructions for new installation in order to guarantee its functioning and stability.

### **Disposal**

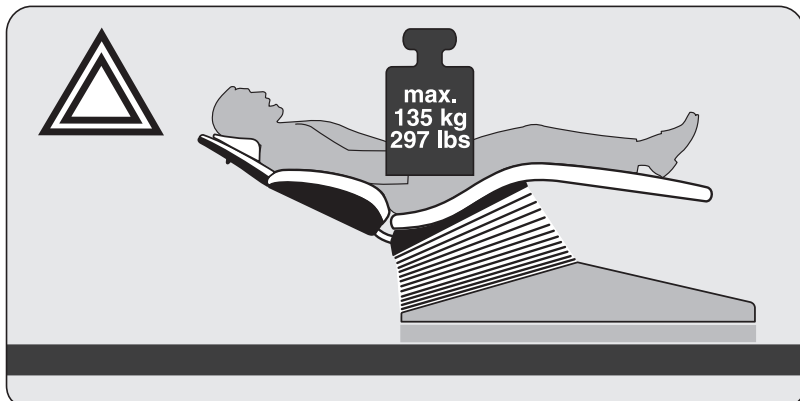


Please observe the disposal regulations applicable in your country.

Within the European Economic Area, this product is subject to Directive 2002/96/EC as well as the corresponding national laws. This directive requires environmentally sound recycling/disposal of the product.

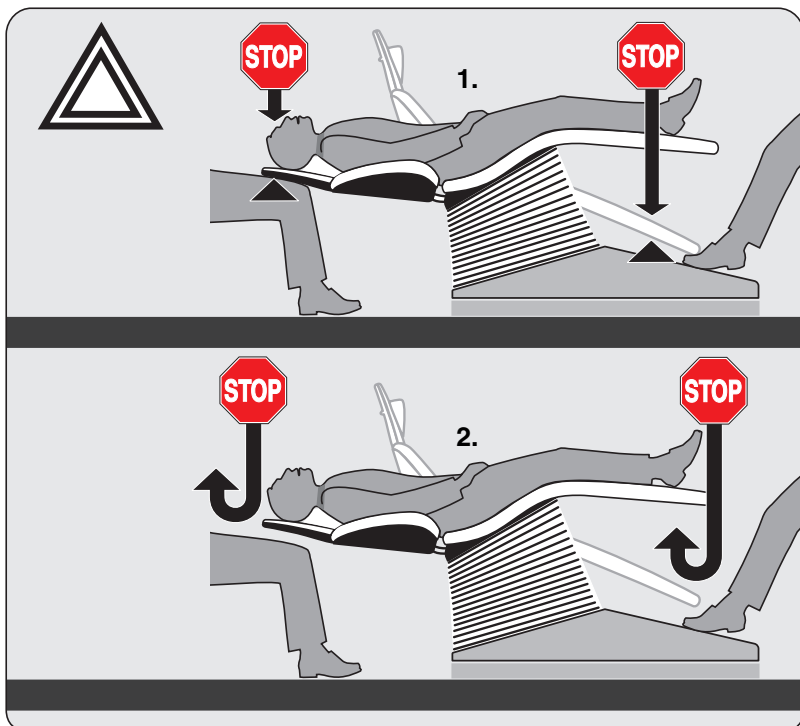
The product must not be disposed of as domestic refuse!

Please contact your dealer if final disposal of your product is required.



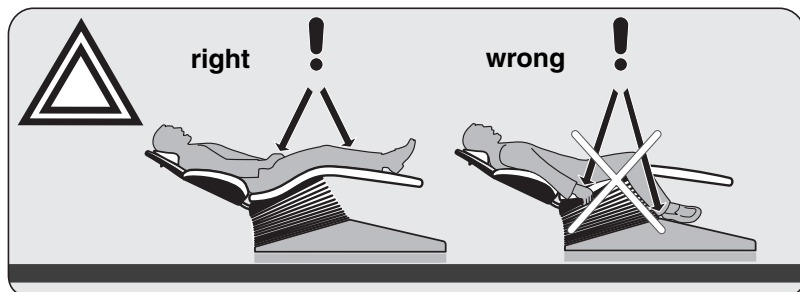
### Maximum load capacity of the treatment chair

Please observe the maximum load capacity of the patient chair of **135 kg** according to EN ISO 6875 (tested with a four-fold safety factor according to EN 60601-1).



### Safety stop for patient chair

- Headrest
- Backrest
- Toeboard

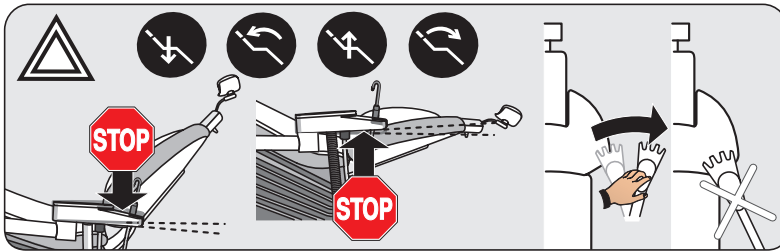


### Hand/foot placement

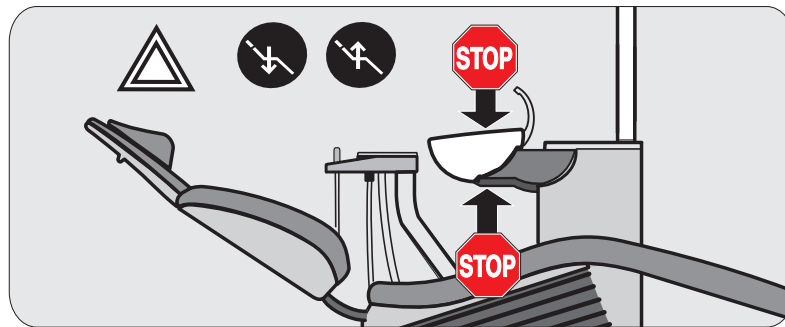
### **! ATTENTION**

Make sure that no obstacles (e.g. window wings, drawers, devices, ...) extend into the movement range.





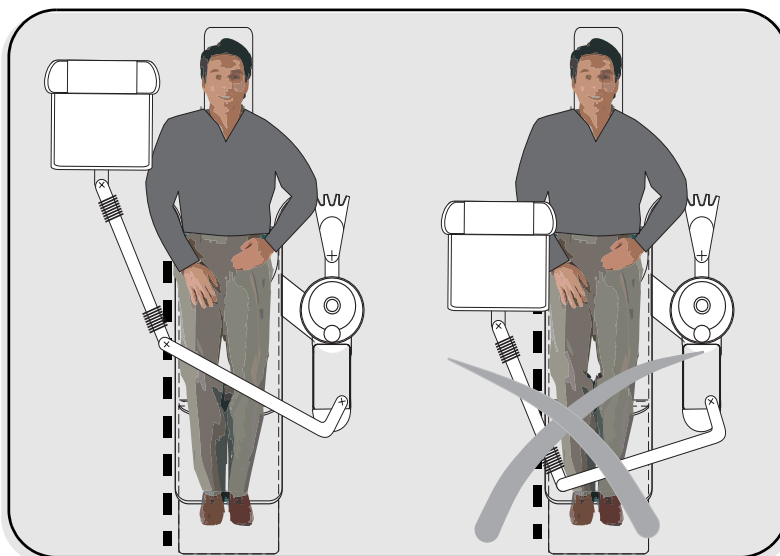
### Safety stop for assistant element



### Safety stop for cuspidor

C8<sup>+</sup> Turn

C8<sup>+</sup> "Long cuspidor"



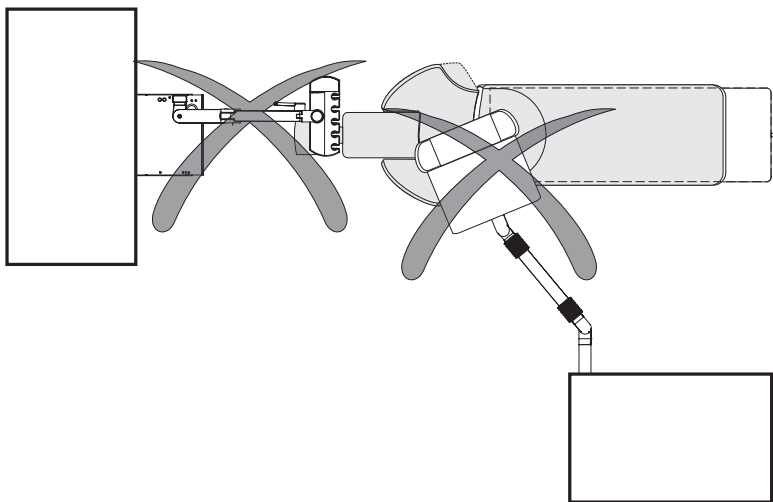
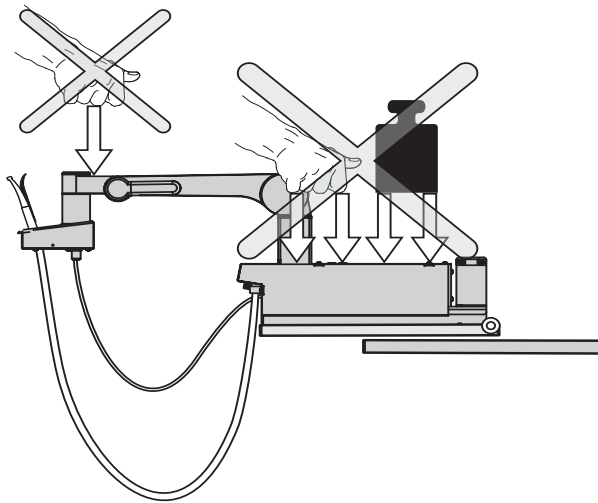
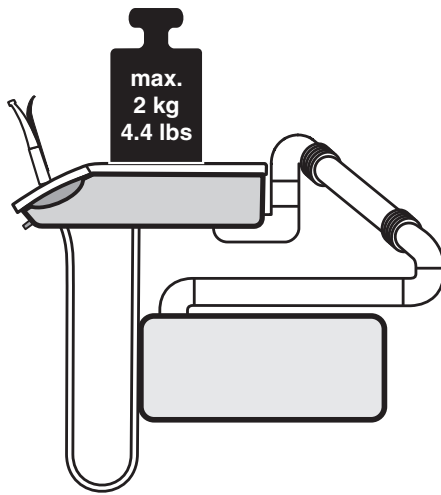
### Position of the dentist element

#### **⚠ ATTENTION**

When moving the chair (via program or manually), make sure that the patient does not under any circumstances come into contact with the support arm or the dentist element.

## 2.2

### Dentist element - rear and side delivery of instruments



#### Side delivery of instruments

To ensure its mechanical stability, install the dentist element only on cabinets which have been approved by Sirona.

#### Rear instrument delivery

To ensure its mechanical stability, install the dentist element only on cabinets which have been approved by Sirona.

#### **ATTENTION**

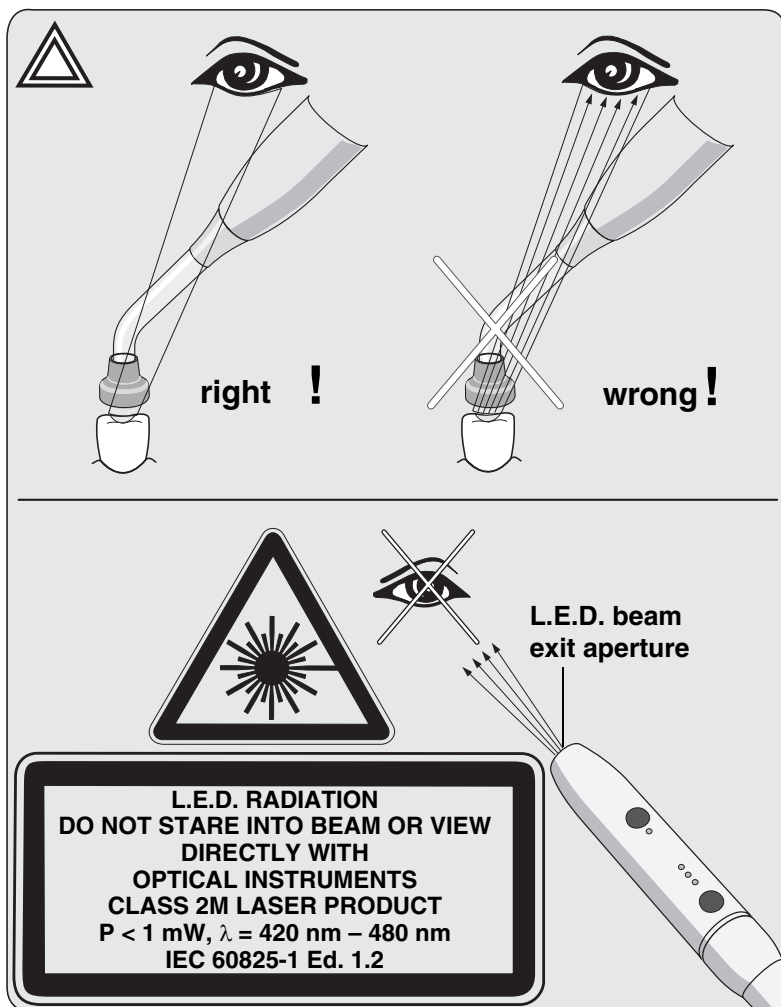
*Never place any objects on this dentist element.*

#### Position of dentist element: rear and side delivery of instruments

#### **ATTENTION**

*When moving the chair (via program or manually), make sure that the patient does not under any circumstances come into contact with the support arm or the dentist element.*

## 2.3 Satelec Mini L.E.D. curing light



### ⚠ ATTENTION

Always use the glare shield!  
The light beams emitted by this instrument may be hazardous and may never be directed to the eyes of any person, even if this person wears goggles with protective lenses. The light may be directed exclusively to the treatment area in the oral cavity.

### ⚠ ATTENTION

Do not stare into the beam path with the glass rod removed (Class 2M laser product).  
Viewing the LED light exit aperture with certain optical instruments (e.g. a magnifying lens) within a distance of 100 mm may constitute an eye hazard.

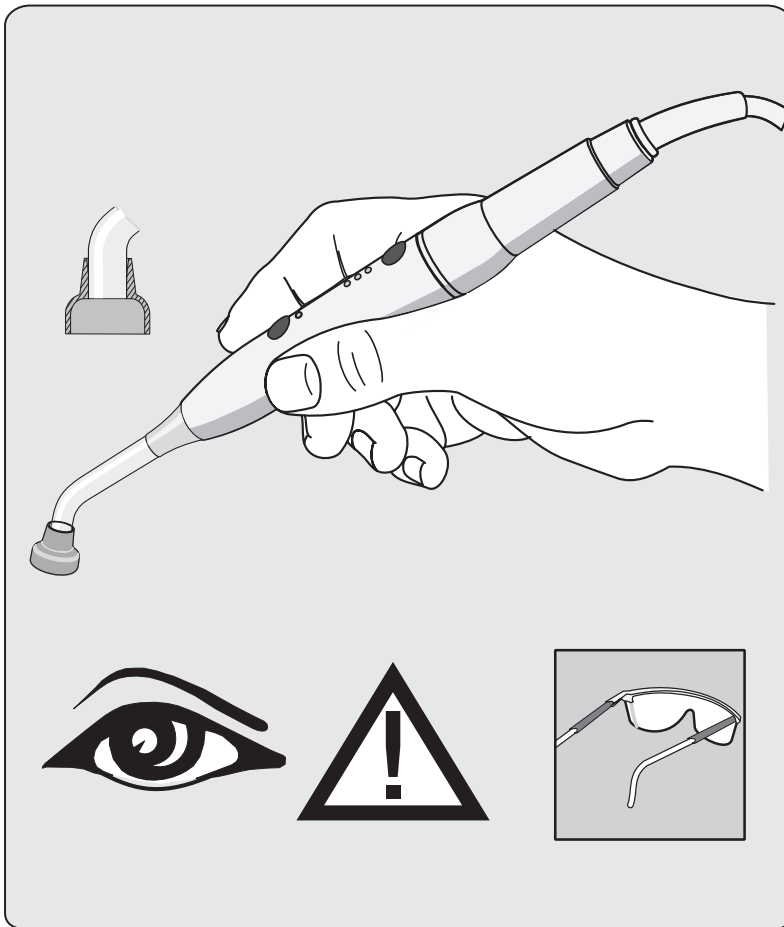
### Optical specification

Wavelength  $\lambda$ : = 420 nm – 480 nm

L.E.D. laser power P: < 1 mW

### ⚠ ATTENTION

Heavy line voltage drops may lead to a shutdown of the Mini L.E.D. The fault is signaled by a double beep. Check the selected operating mode and restart the Mini L.E.D.



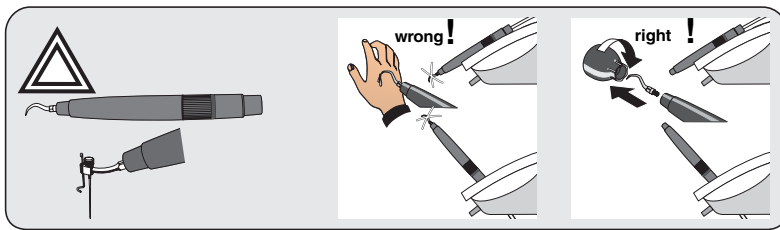
### Additional safety information

Any condensation occurring in the handpiece of the Mini L.E.D. may cause impairments (e.g. fogging of the L.E.D.). When moving the handpiece from a cool environment to a warm room, always wait for it to reach room temperature before putting it into operation.

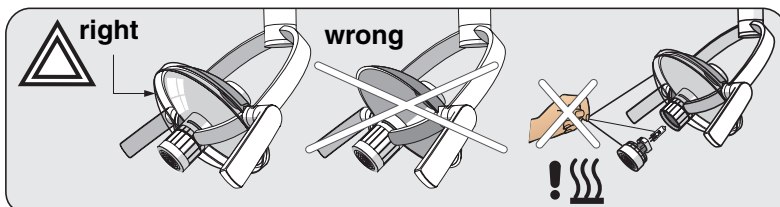
Curing lights must not be used on persons who are suffering from or have in the past been afflicted by photobiological reactions (including solar urticaria and erythropoietic porphyria). Nor should they be used on persons currently being treated with any medicine which increases one's sensitivity to light (including methoxsalene and chlorotetracycline).

Any persons who have in the past suffered from retinal or eye lens disorders or have undergone eye surgery, especially for gray cataracts, must consult their medical eye specialist before using the light or undergoing treatment with the Mini L.E.D. Caution is advisable even if the patient gives his or her consent, since the light intensity can cause accidents. It is especially advisable to always wear appropriate protective goggles (UV filter).

## 2.4 SIROSONIC L



## 2.5 SIROLUX E/SIROLUX FANTASTIC



### **! ATTENTION**

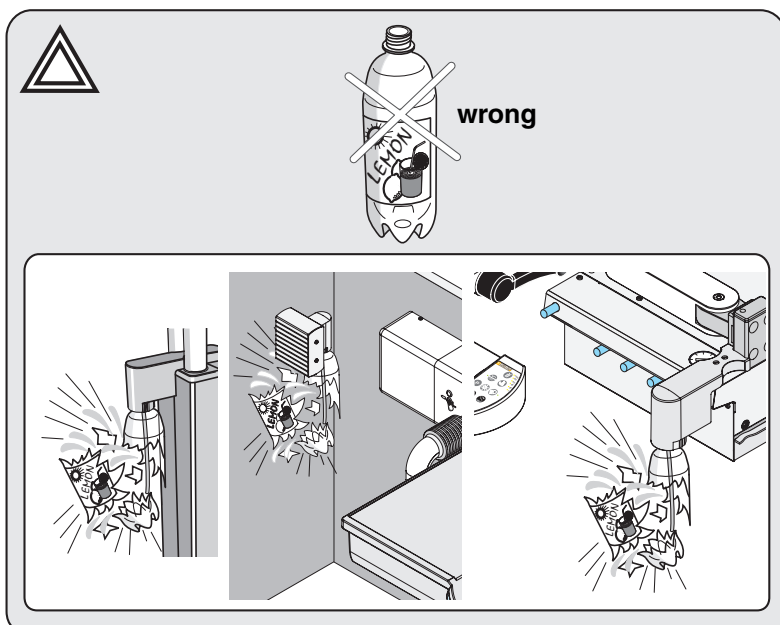
Never operate without cover:  
Watch out for overheating of lamp components and let them cool down.

### SIROLUX FANTASTIC

### **! ATTENTION**

Pay attention to elevated temperature of the lamp components; and let these cool down.

## 2.6 Fresh water bottle



### Fresh water bottle

### **! ATTENTION**

Use only Sirona fresh water bottles!



# 3

## Maintenance

---

Despite the outstanding quality of your treatment center, it is necessary to perform inspections and preventive maintenance as well as safety tests at scheduled intervals in order to ensure its operational safety.

These events are documented in the Maintenance Manual.

Care and cleaning is done by the practice team.

For details please refer to the following sections.

---

### 3.1 Care and cleaning by the practice team

The practice team is responsible for regular cleaning and care of the treatment center, with the aim of minimizing the risk of contamination for patients and users.

The work to be performed is specified in the chapter "**Care and cleaning by the practice team**".

The surfaces (apart from upholstery) can be sprayed and wiped with surface disinfectants.

---

### 3.2 Inspection and maintenance

In order to ensure the operational safety and reliability of your treatment center and to avoid damage due to natural wear, **annual** inspection and maintenance must be performed on your treatment center. This is done by an authorized service engineer from your dental depot.

The steps to be performed as well as the parts which must be replaced are specified in the document "**Maintenance Certificate**".

An overview of the inspection and maintenance work performed is additionally recorded by the service engineer in the "**Installation Report/Warranty Passport**". This document is part of the "**Maintenance Manual**".

## 3.3 Safety checks

Medical equipment is designed in such a way that the first occurrence of a fault does not create a hazard to the safety of patients, users or other persons. Hence it is important to detect such faults before a second fault occurs, which might then lead to safety hazards.

For that reason it is essential to perform safety tests **every 2 years** which aim particularly at detecting electrical faults (e.g. isolation defects). This is done by an authorized service engineer from your dental depot, most practically together with the work to be performed according to section 3.2.

The check includes a visual inspection as well as measurements of the protective ground wire connections and the equivalent leakage currents.

The inspections and measurements to be performed are specified in the "**Maintenance Manual**". The measured values must be documented there by the service engineer.



Safety tests must also be performed and documented during **initial startup**, after extensions/upgrades (**conversion**) of your treatment center and after **repair work which might affect the electrical safety of the system**.



### **NOTE**

*The treatment center must not be operated if it has failed to pass the safety tests!*

# 4 Technical description

|  |   |                      |                                |                    |             |               |                  |     |             |
|--|---|----------------------|--------------------------------|--------------------|-------------|---------------|------------------|-----|-------------|
| <b>Model designation</b>                             | C8 <sup>+</sup> , C8 <sup>+</sup> Turn,   |                      |                                |                    |             |               |                  |     |             |
| <b>Power supply</b>                                  | 100 V/115 V/127 V/230 V AC 50/60 Hz   |                      |                                |                    |             |               |                  |     |             |
| <b>Nominal current</b>                               | <table> <tr> <td>11.5 A</td><td>at 100 V AC</td></tr> <tr> <td>10 A</td><td>at 115 V AC</td></tr> <tr> <td>9 A</td><td>at 127 V AC</td></tr> <tr> <td>5 A</td><td>at 230 V AC</td></tr> </table>              | 11.5 A               | at 100 V AC                    | 10 A               | at 115 V AC | 9 A           | at 127 V AC      | 5 A | at 230 V AC |
| 11.5 A   | at 100 V AC   |                      |                                |                    |             |               |                  |     |             |
| 10 A   | at 115 V AC   |                      |                                |                    |             |               |                  |     |             |
| 9 A  | at 127 V AC   |                      |                                |                    |             |               |                  |     |             |
| 5 A  | at 230 V AC   |                      |                                |                    |             |               |                  |     |             |
| <b>Main unit fuse</b>                                | T 10 A H, 250 V AC, Order No. 10 77 460   |                      |                                |                    |             |               |                  |     |             |
| <b>Operating conditions</b>                          | <table> <tr> <td>Ambient temperature:</td><td>10°C – 40°C (50°F – 104°F)</td></tr> <tr> <td>Relative humidity:</td><td>30% – 75%</td></tr> <tr> <td>Air pressure:</td><td>700hPa – 1060hPa</td></tr> </table> | Ambient temperature: | 10°C – 40°C (50°F – 104°F)     | Relative humidity: | 30% – 75%   | Air pressure: | 700hPa – 1060hPa |     |             |
| Ambient temperature:                                 | 10°C – 40°C (50°F – 104°F)  |                      |                                |                    |             |               |                  |     |             |
| Relative humidity:                                   | 30% – 75%   |                      |                                |                    |             |               |                  |     |             |
| Air pressure:  | 700hPa – 1060hPa  |                      |                                |                    |             |               |                  |     |             |
| <b>Transport and storage conditions</b>              | <table> <tr> <td>Temperature:</td><td>-40°C – +70°C (-40°F – +158°F)</td></tr> <tr> <td>relative humidity:</td><td>10% – 95%</td></tr> <tr> <td>Air pressure:</td><td>500hPa – 1060hPa</td></tr> </table>     | Temperature:         | -40°C – +70°C (-40°F – +158°F) | relative humidity: | 10% – 95%   | Air pressure: | 500hPa – 1060hPa |     |             |
| Temperature:   | -40°C – +70°C (-40°F – +158°F)  |                      |                                |                    |             |               |                  |     |             |
| relative humidity:                                   | 10% – 95%   |                      |                                |                    |             |               |                  |     |             |
| Air pressure:  | 500hPa – 1060hPa  |                      |                                |                    |             |               |                  |     |             |
| <b>Protection class</b>                              | Class I device  |                      |                                |                    |             |               |                  |     |             |
| <b>Degree of protection against electric shock</b>   | Type B applied parts,<br>except SIROCAM 3/SIROCAM C;<br>Type BF applied parts <div>  </div>                               |                      |                                |                    |             |               |                  |     |             |
| <b>Degree of protection against ingress of water</b> | Ordinary equipment (not protected)<br>The foot switch has an IPX1 degree of protection against liquids (drip-proof).  |                      |                                |                    |             |               |                  |     |             |
| <b>Mode of operation</b>                             | Continuous operation with intermittent loading corresponding to the dental mode of working.<br><br>Permanently connected unit.  |                      |                                |                    |             |               |                  |     |             |
| <b>Year of manufacture</b>                           |  <b>20xx</b> (on rating plate of chair)  |                      |                                |                    |             |               |                  |     |             |
| <b>Tests/approvals</b>                               | This dental treatment center complies with the requirements of IEC 60601-1: 1988 + A1: 1991 + A2: 1995 and of IEC 60601-1-2: 2001.  |                      |                                |                    |             |               |                  |     |             |



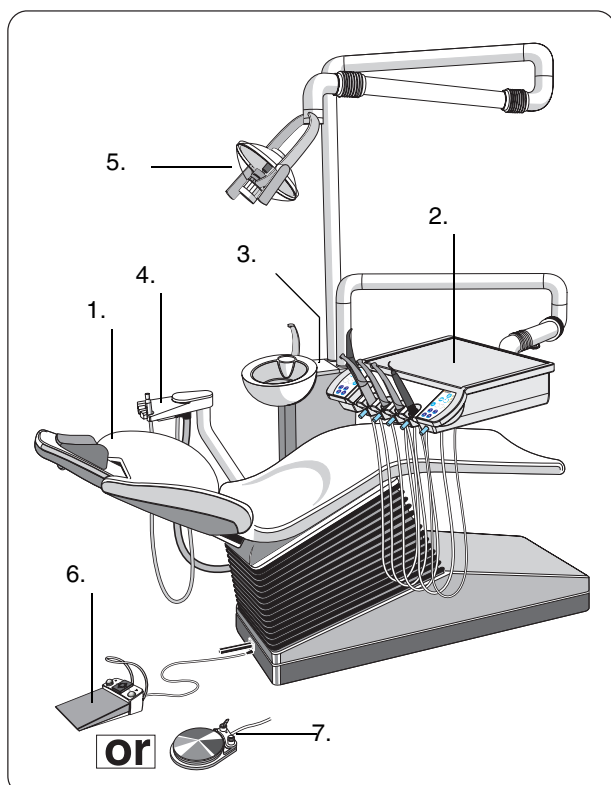
DVGW: This system complies with the technical rules and requirements on safety and hygiene for connection to the drinking water supply (if the appropriate DVGW marking is affixed to it).



This product bears the CE mark in accordance with the provisions of Council Directive 93/42/EEC of June 14, 1993 concerning medical devices.

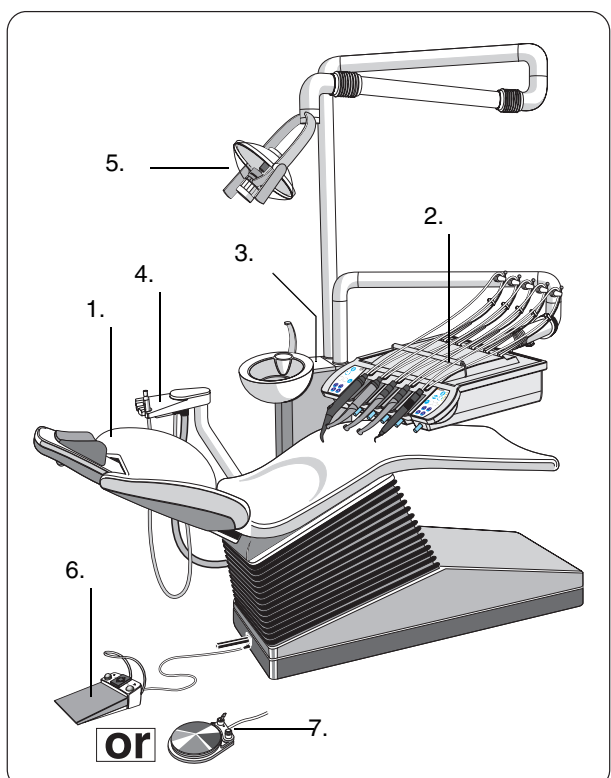


# 5 System versions



## C8<sup>+</sup> OTP

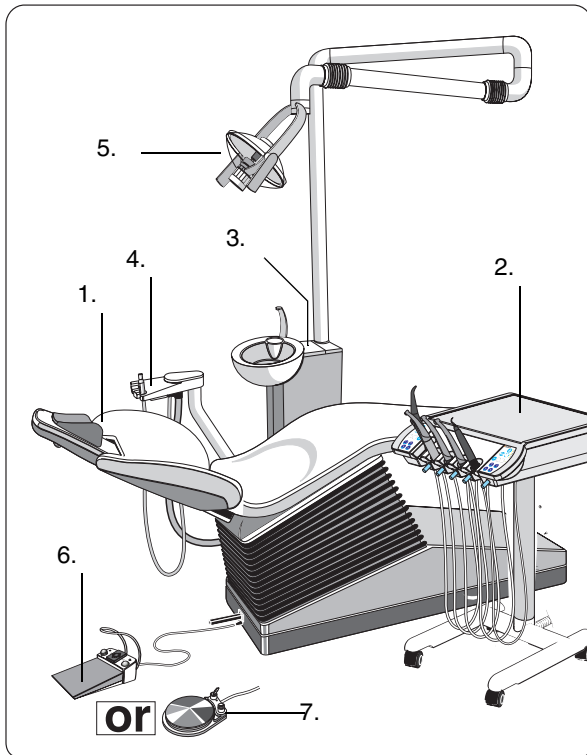
1. Patient chair/Patient chair Turn<sup>1</sup>
2. OTP dentist element
3. Water unit
4. Assistant element/Assistant element mounted at the middle of the chair<sup>1</sup>
5. SIROLUX
6. Instrument foot switch with program positions
7. Instrument foot switch



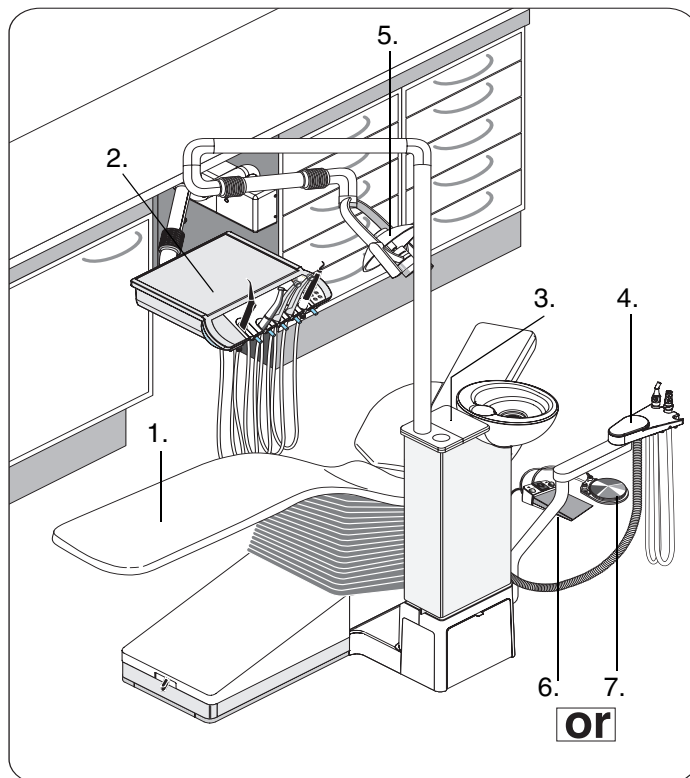
## C8<sup>+</sup> with swivel arm

1. Patient chair/Patient chair Turn<sup>1</sup>
2. Dentist element with swivel arm
3. Water unit
4. Assistant element/Assistant element mounted at the middle of the chair<sup>1</sup>
5. SIROLUX
6. Instrument foot switch with program positions
7. Instrument foot switch

1. Alternative equipment, not illustrated

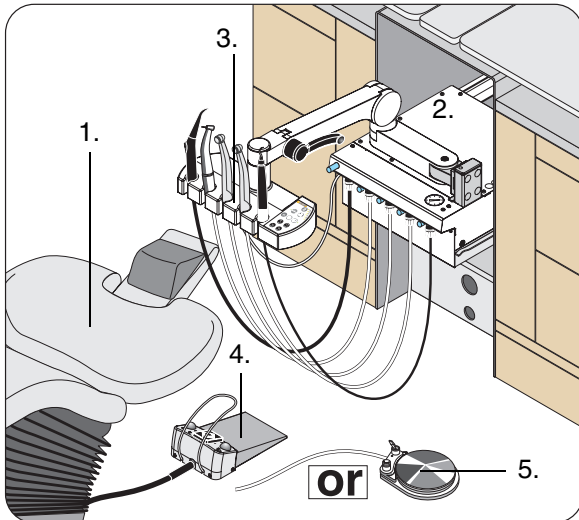
**C8<sup>+</sup> Cart**

1. Patient chair/Patient chair Turn<sup>1</sup>
2. Dentist element
3. Water unit
4. Assistant element/Assistant element mounted at the middle of the chair<sup>1</sup>
5. SIROLUX
6. Instrument foot switch with program positions
7. Instrument foot switch

**C8<sup>+</sup> Side Delivery**

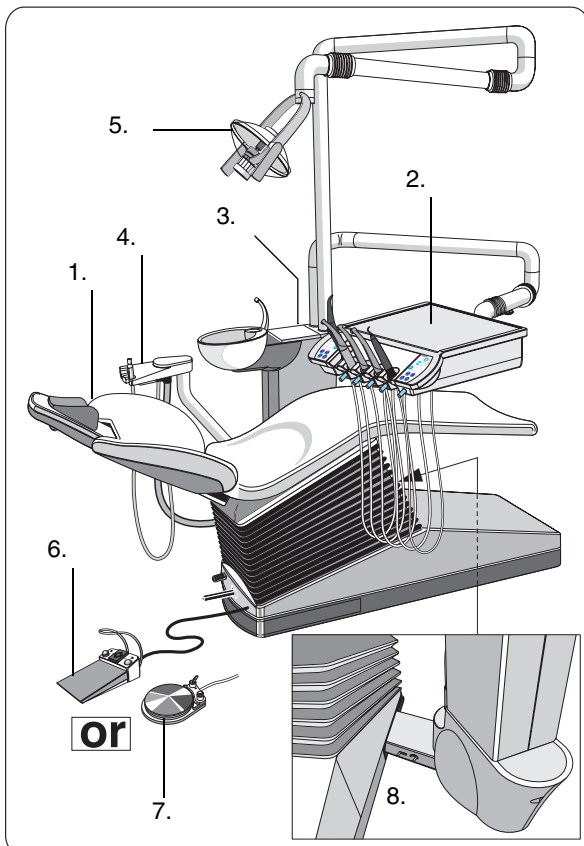
1. Patient chair / Patient chair, Turn<sup>1</sup>
2. Dentist element
3. Water unit
4. Assistant element
5. SIROLUX
6. Instrument foot switch with program positions
7. Instrument foot switch

1. Alternative equipment, not illustrated



### C8<sup>+</sup> Rear Delivery

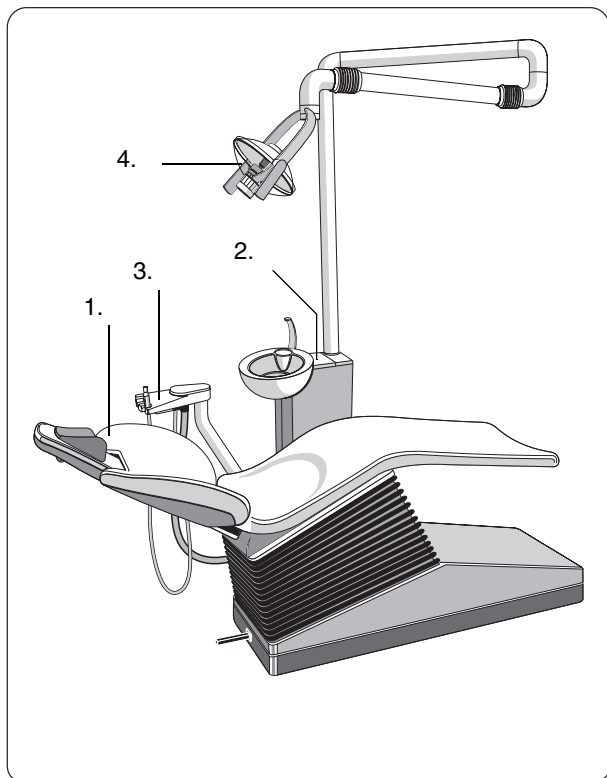
1. Patient chair /  
Patient chair, Turn<sup>1</sup>
2. Dentist element
3. Instrument holder
4. Instrument foot switch with program positions
5. Instrument foot switch



### C8<sup>+</sup> Turn

1. Patient chair Turn
2. OTP dentist element/Dentist element with swivel arm<sup>2</sup>  
Cart dentist element<sup>1</sup>  
Cabinet dentist element<sup>1</sup>
3. Water unit
4. Assistant element/Assistant element mounted at the middle of the chair<sup>1</sup>
5. SIROLUX
6. Instrument foot switch with program positions
7. Instrument foot switch
8. Swivel arm for right-handed ⇌ left-handed conversion

1. Alternative equipment, not illustrated  
2. Alternative equipment, not illustrated



#### C8<sup>+</sup> without dentist element

1. Patient chair/Patient chair Turn<sup>1</sup>
2. Water unit
3. Assistant element/Assistant element mounted at the middle of the chair<sup>1</sup>
4. SIROLUX

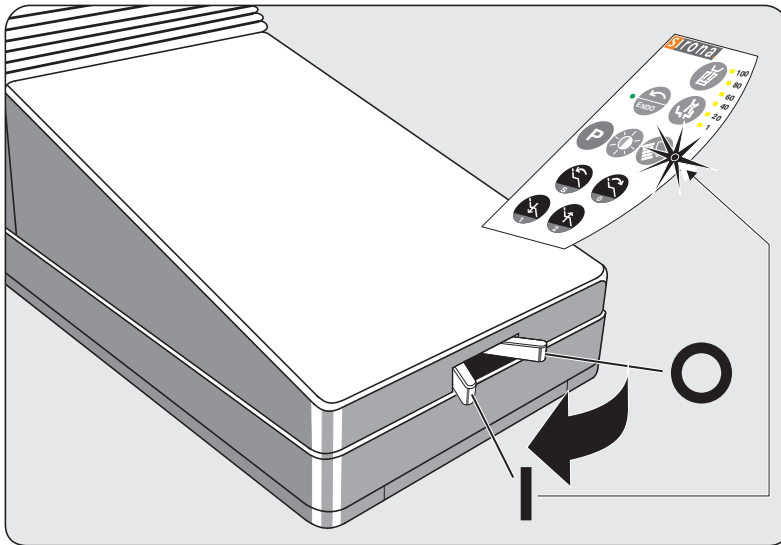


#### NOTE

For operation of the SIVISION 3 video system, please refer to Operating Instructions 59 72 257.

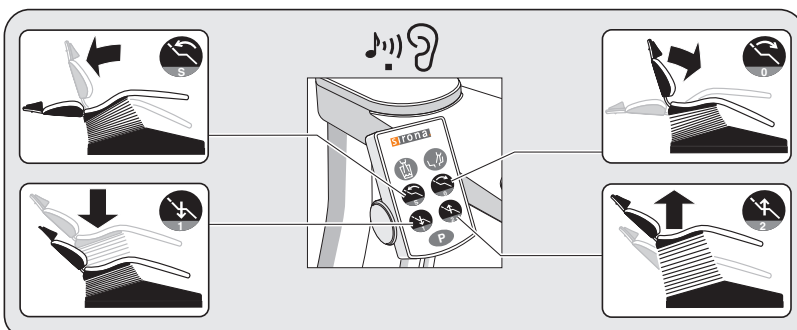
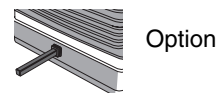
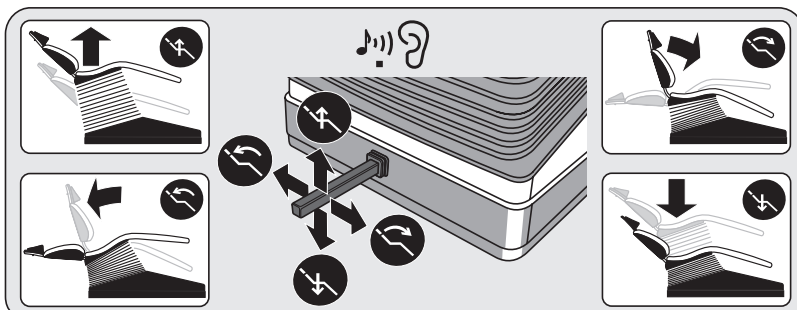
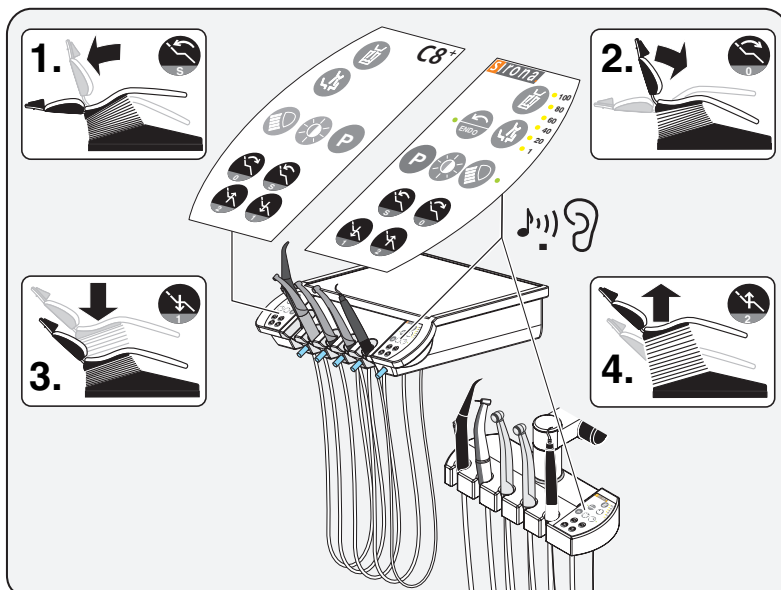
# 6 Putting the system into operation

## 6.1 System ON/OFF switch

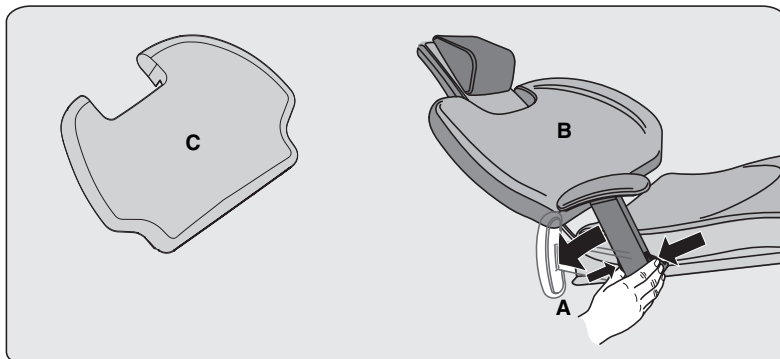


# 7 Patient chair

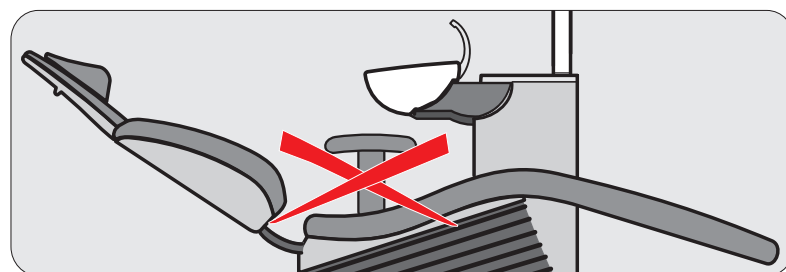
## 7.1 Patient positioning



## 7.2 Adjusting the armrest



- A Folding armrest (optional)
- B Wide backrest
- C Narrow backrest



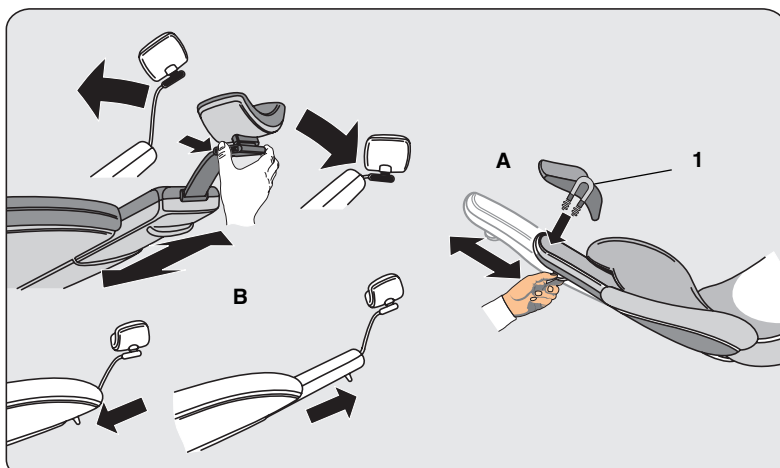
### **⚠ ATTENTION**

#### **Risk of collision!**

The following versions must not be retrofitted with an armrest:

- C8<sup>+</sup> with fixed water unit in combination with long cuspidor

## 7.3 Flat headrest / articulated headrest



- A Flat headrest
- B Articulated headrest (optional)

### **⚠ ATTENTION**

The head pad (A) contains a strong magnet (1) on its bottom side. This magnet could affect any cardiac pacemaker located nearby.

Therefore, do not allow patients, users and technical personnel with a cardiac pacemaker to be located near this magnet.

Furthermore, direct contact of the head pad with magnetic cards can lead to data loss.

## 7.4 MultiMotion headrest



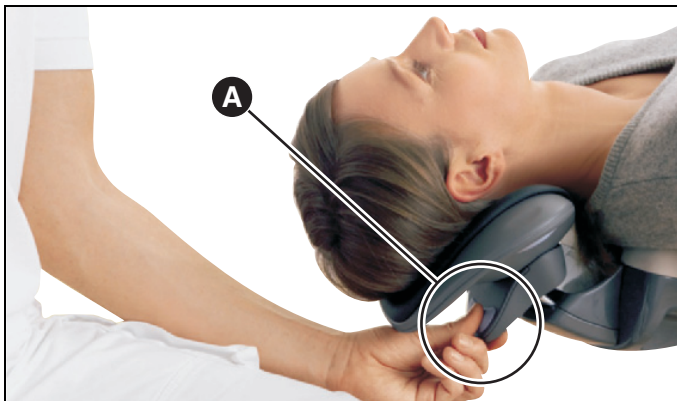
### Adjustment to patient's height

The headrest can be adjusted to the patient's height by pulling out or pushing in the headrest extension. This adjustment is usually required at the beginning of treatment!

#### **i** NOTE

*Before positioning the patient on the headrest, make sure that the head support has been optimally adjusted to the patient's height. This simplifies all subsequent work with the MultiMotion considerably, since readjustment to the patient's height can thus be omitted when changing over from mandibular to maxillary treatment.*

The MultiMotion enables you to adjust the patient's head in a way that optimally supports viewing of areas of the mouth which are difficult to access.



### Adjustment of hyperextension

#### Mandibular position

The mandibular position can be set by pulling the operating handle (A). The anatomical movement of the arched extension keeps the patient's head in the support.

- Pull the headrest out of the guide by pulling handle A.



#### **i** NOTE

*You can reduce the adjustment noise by pressing release A.*





### Maxillary position

- Take the load off the headrest by lifting it slightly.
- Press release **A** on the handle.
- Let the headrest slide down slowly.
- Let go of the release when the headrest reaches the desired position.



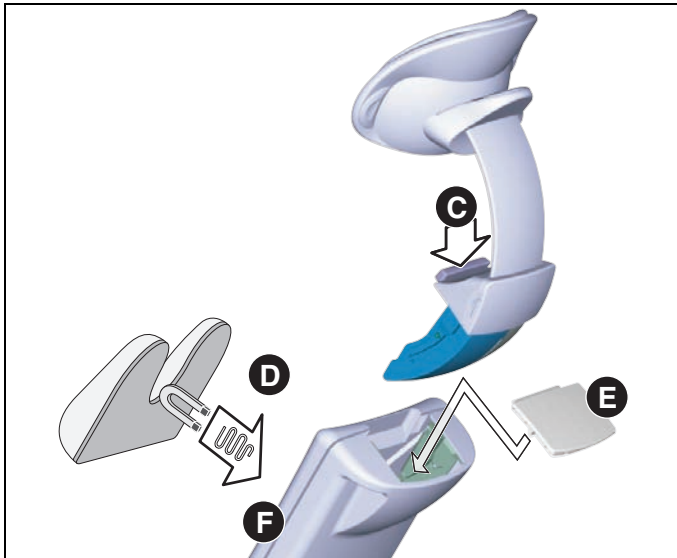
### Rotation and tilt

The MultiMotion enables rotation of the patient's head about the longitudinal axis of his body as well as lateral tilting of his head.

The MultiMotion is set to the desired position as follows:

1. Press and hold one or both of the two side control elements **B**.  
The rotation and tilt adjustment locks of the headrest are now released.
  2. Set the headrest to the desired position.
  3. Let go of the control elements **B**.
- ☒ The supporting surface is fixed in place.

**Make sure that the headrest is indeed fixed in place after you let go of the control elements!**



### Removing the MultiMotion

For certain treatments (e.g. of children) it may be expedient to remove the MultiMotion completely in order to obtain better access to the patient. The patient's head will then be supported on the contact surface of the headrest extension **F**.

To remove the MultiMotion, proceed as follows:

1. Press release button **C**.
2. Pull the complete headrest out of the headrest extension.
3. Cover the opening of the headrest extension with cover cap **E**.
4. If a children's head pad **D** is available, place it on the headrest extension. The head pad is held magnetically.

#### **i** NOTE

*The children's head pad (D) is not included in the scope of supply, however, is available from your dental dealer.*

#### **! WARNING**

*The children's head pad (D) contains a strong magnet on its bottom side. This magnet could affect any cardiac pacemaker located nearby.*

*Therefore, do not allow patients, users and technical personnel with a cardiac pacemaker to be located near this magnet.*

*Furthermore, direct contact of the head pad with magnetic cards can lead to data loss.*

#### **i** NOTE

*Deposit the removed MultiMotion in a safe place where it cannot fall onto the floor.*

### Inserting the MultiMotion

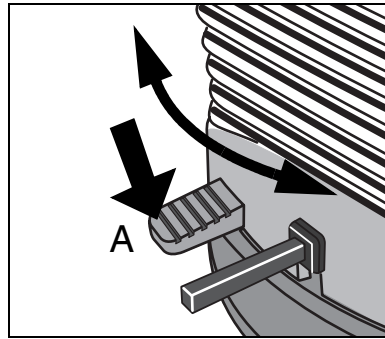
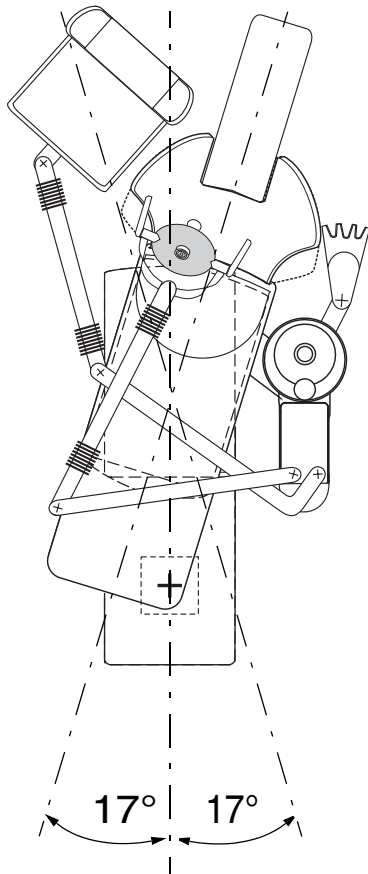
To insert the MultiMotion, proceed as follows:

- Check the guide of the removed headrest for contamination. Remove any contamination.
- Remove the cover cap **E**.

Reinsert the MultiMotion in the guide from above until it audibly locks in place.

**Pull on the headrest again to make sure that it is locked securely in place.**

## 7.5 Changing the patient position by turning (C8<sup>+</sup> Turn only)



### Turning the patient chair

The patient chair can be turned max. 17° to either side.

#### **⚠ ATTENTION**

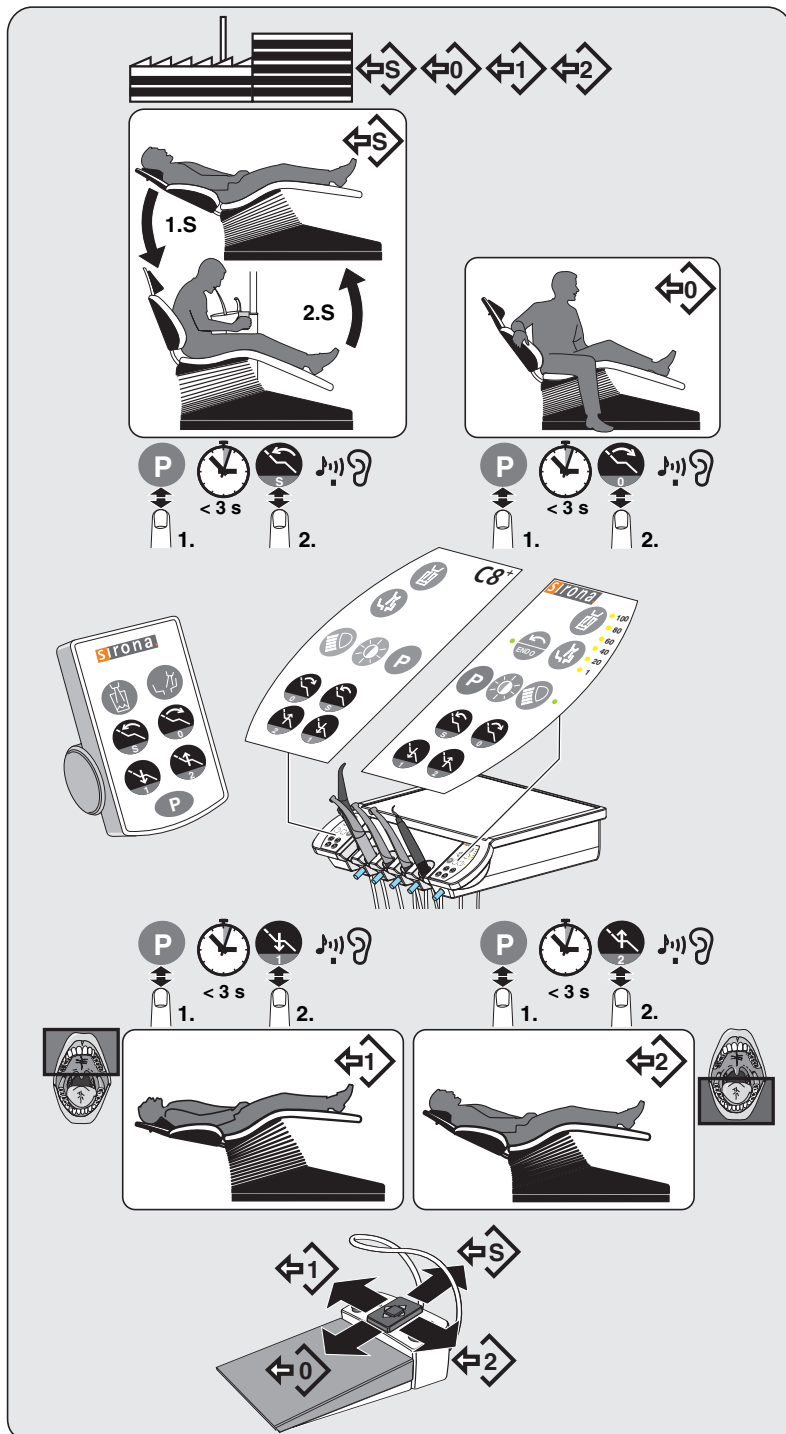
##### **Risk of collision!**

*When turning the chair, make sure that it does not collide with any other components of the treatment center, persons, furnishings or equipment.*

*Turn the chair only if all treatment instruments are in place.*

1. Step on foot pedal **A** to release the locking brake.
2. Turn the patient chair to the desired position.
3. The chair locks in place as soon as you release foot pedal **A**.

## 7.6 Chair programs – factory settings



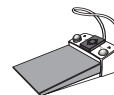
Last Memory function



Option

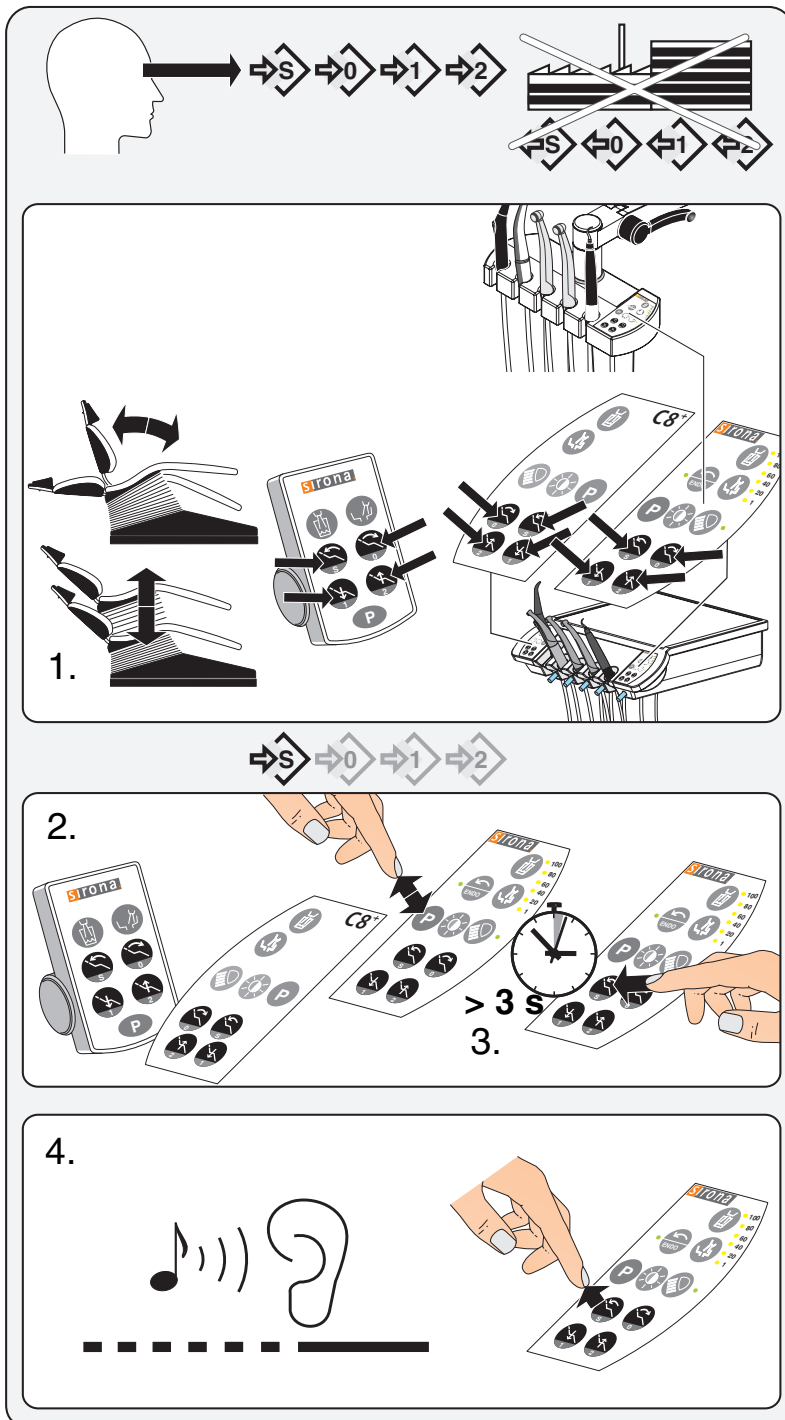


Option  
C8+ without dentist element:  
alternatively



Option

## 7.7 Chair programs – reprogramming



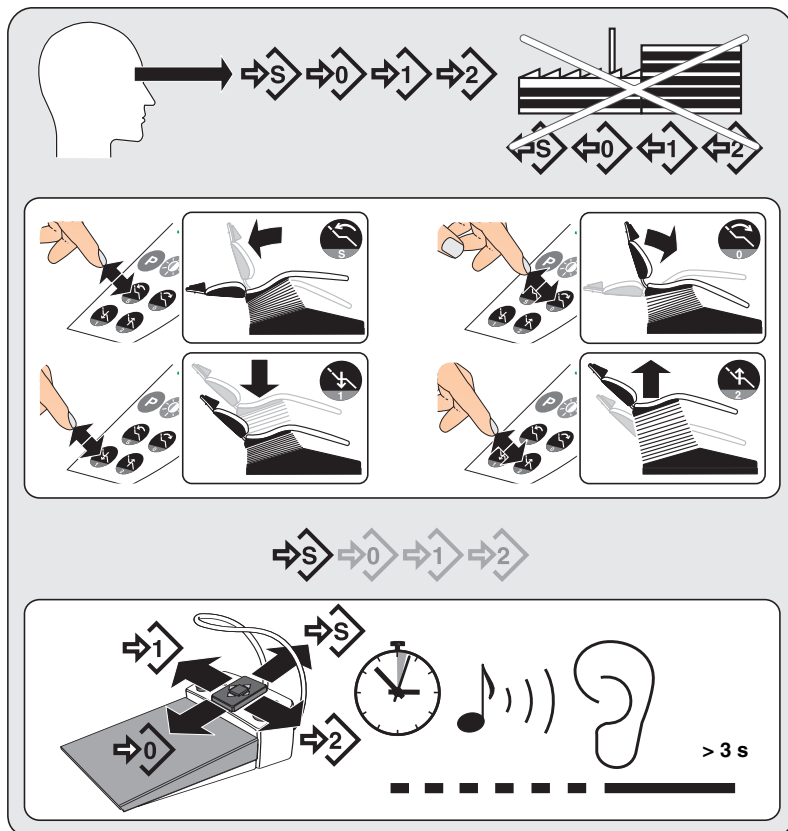
Option



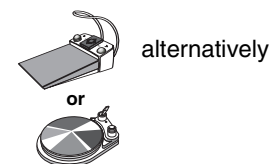
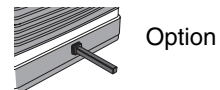
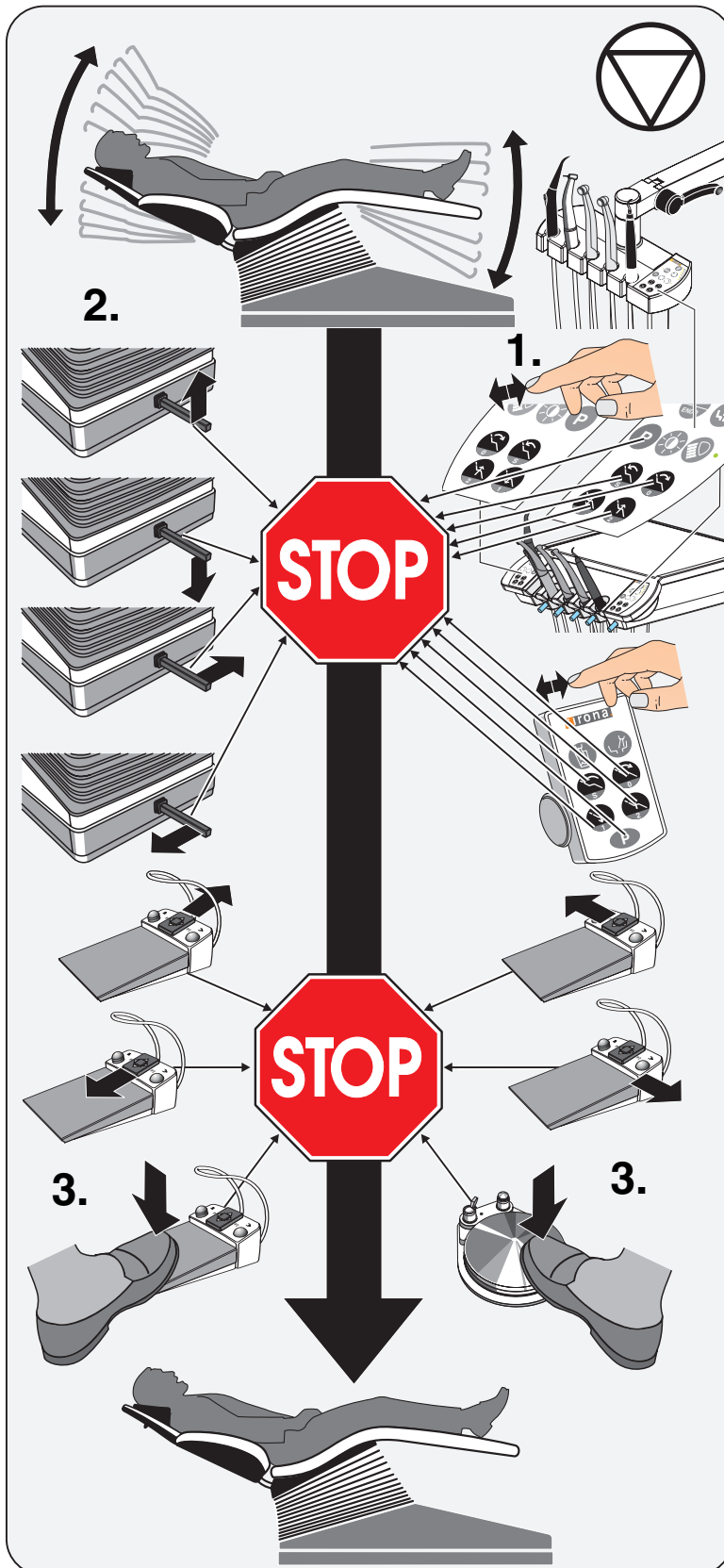
Option

C8<sup>+</sup> without dentist element:  
alternatively

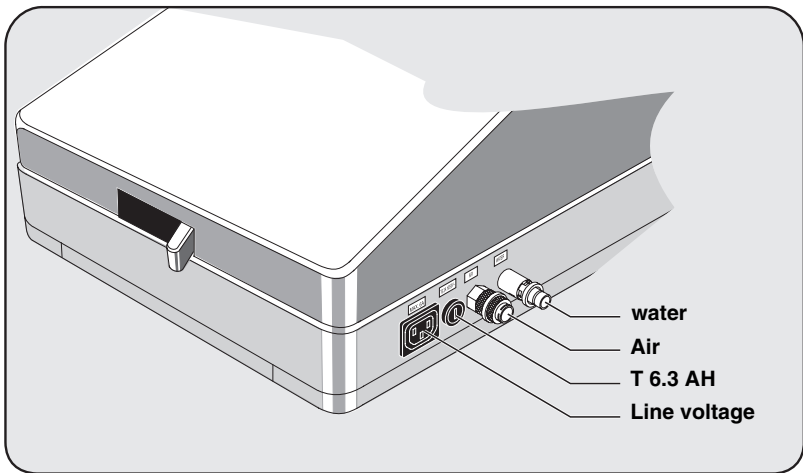
## 7.8 Foot switch – reprogramming



## 7.9 Emergency stop function for chair movement



7.10
Patient chair, options



Patient chair media block

Additional equipment which is approved for dental use (e.g. by EMS) and the hydrocolloid coolant supply (see page 74) may be connected to a media block on the base of the chair (observe manufacturers' specifications for the additional equipment).

The media block is equipped with quick couplings for air and water and an outlet with a separate fuse (6.3A) for non-heating equipment.

Sirona does not assume any liability for possible damage to the connected equipment!

Technical data and requirements

|       | Pressure  | Flow rate        |
|-------|---|------------------|
| water | min. 2.5 bar<br>max. 6.0 bar<br>(corresponding to input pressure on treatment center) | max. 1000 ml/min |
| Air   | 4,4 ± 0.5 bar   | max. 70 NI/min   |

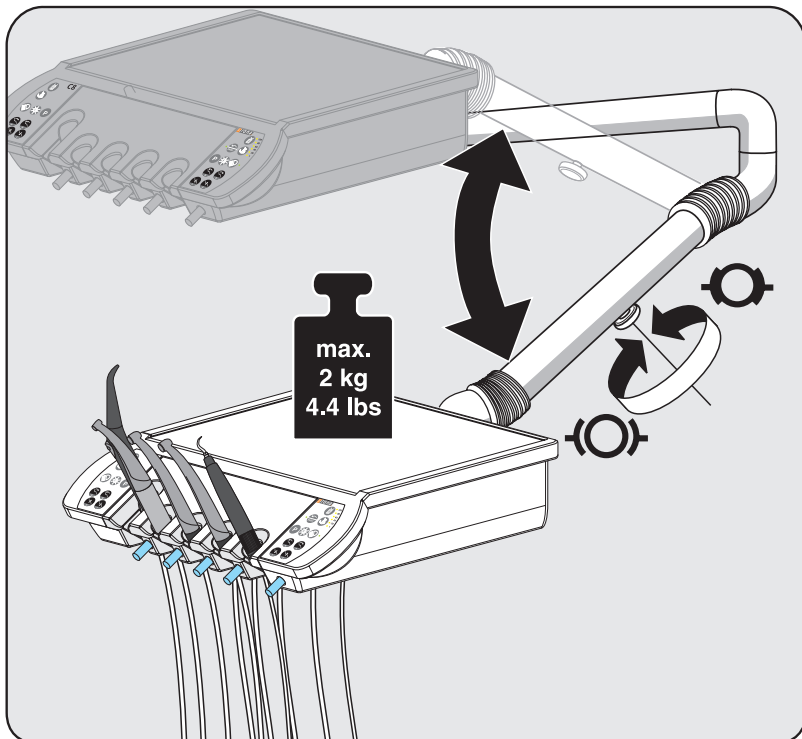
DVGW approval:




The DVGW approval of the treatment center expires if a media block is installed.

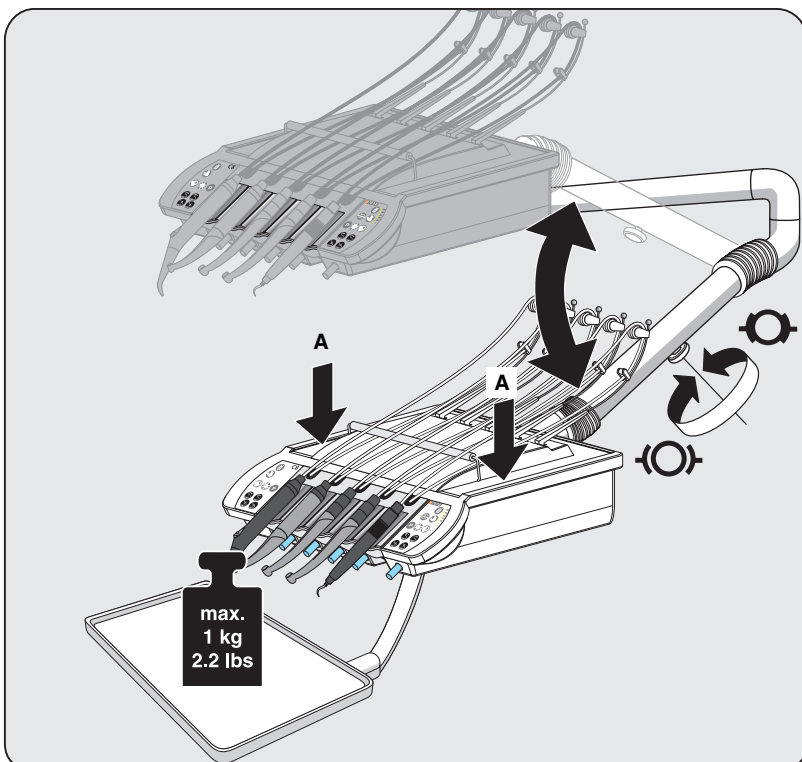


# 8 Dentist element





## 8.1 Locking the dentist element



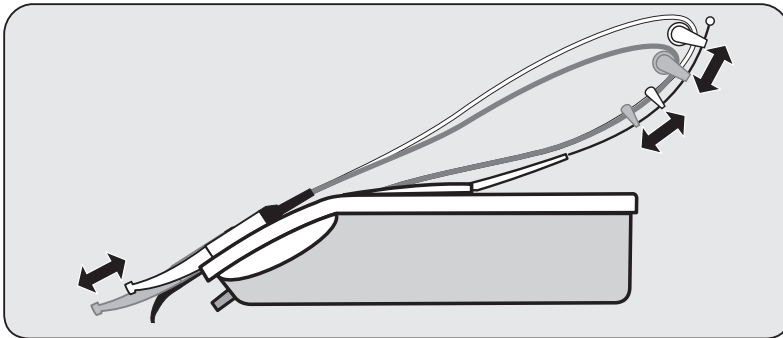
-  Brake applied
-  Maximum load
-  Brake released



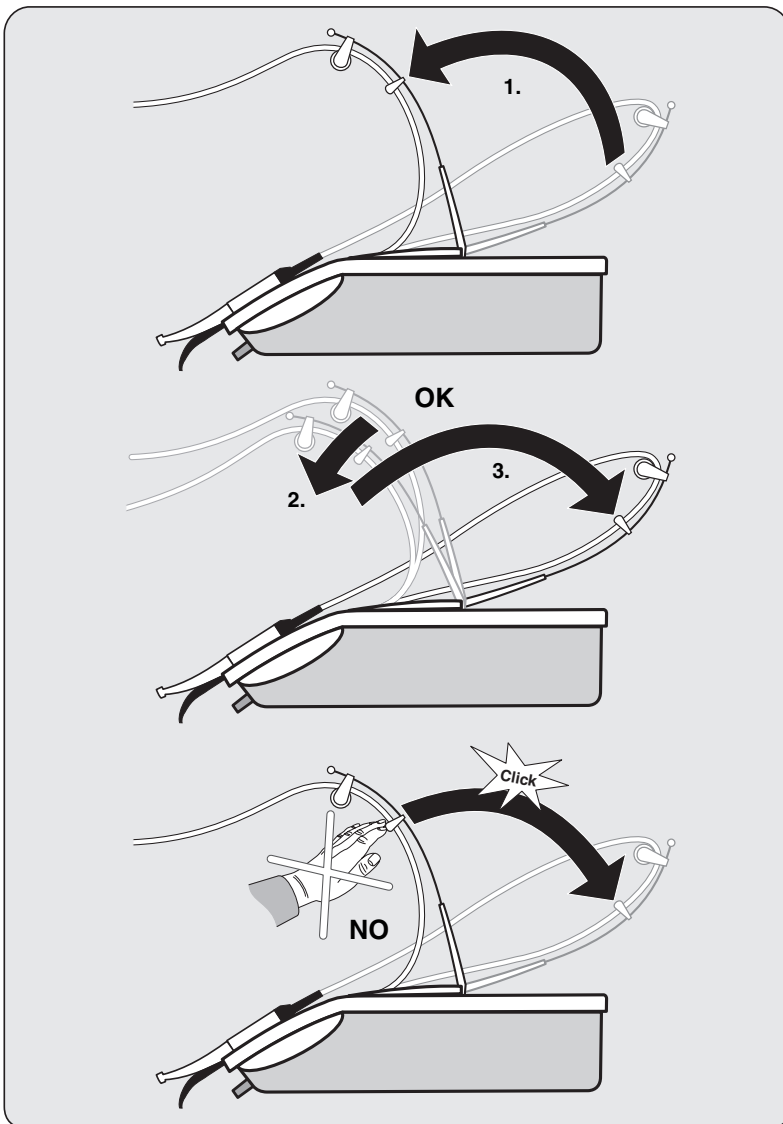
**⚠ ATTENTION**  
*A = You must not place any objects on this dentist element!*

-  Brake applied
-  Maximum load
-  Brake released
-  Option

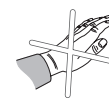
## 8.2 Adjusting the instrument position



## 8.3 Swivel arm

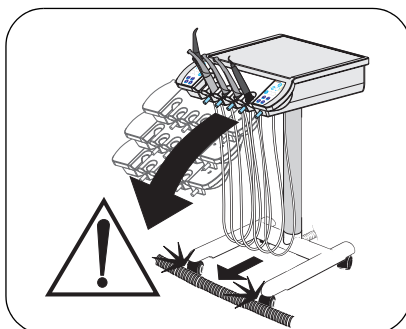
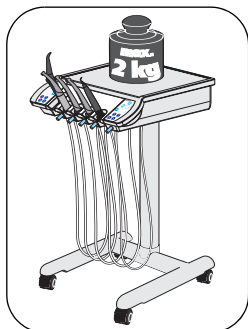


### ATTENTION



**IMPORTANT:** Swivel arms that are locked in place must not be pushed backward! For resetting, pull out the instrument hose again!

## 8.4 Dentist element C8<sup>+</sup> Cart



### Maximum load capacity

2 kg max.

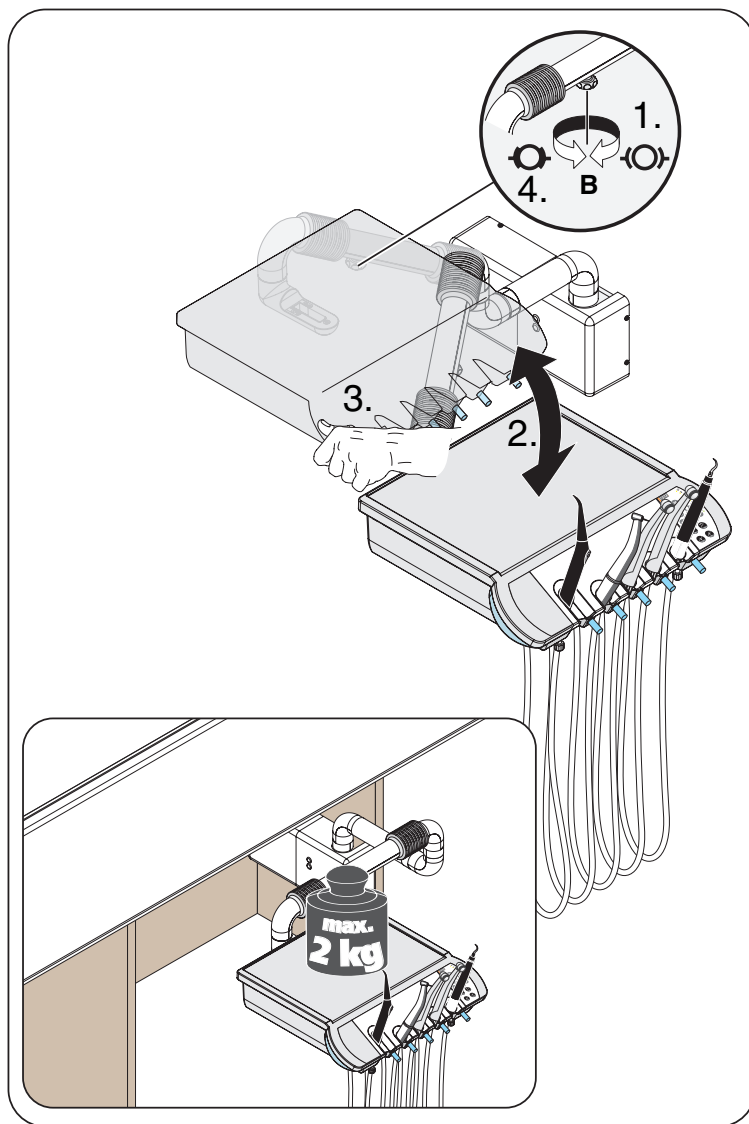
### **⚠ ATTENTION**

**Risk of toppling over!** Move cart slowly and only on even floors without any obstacles!

### **⚠ ATTENTION**

Distribute the additional loads on the dentist element evenly!

## 8.5 Dentist element C8<sup>+</sup> Side Delivery

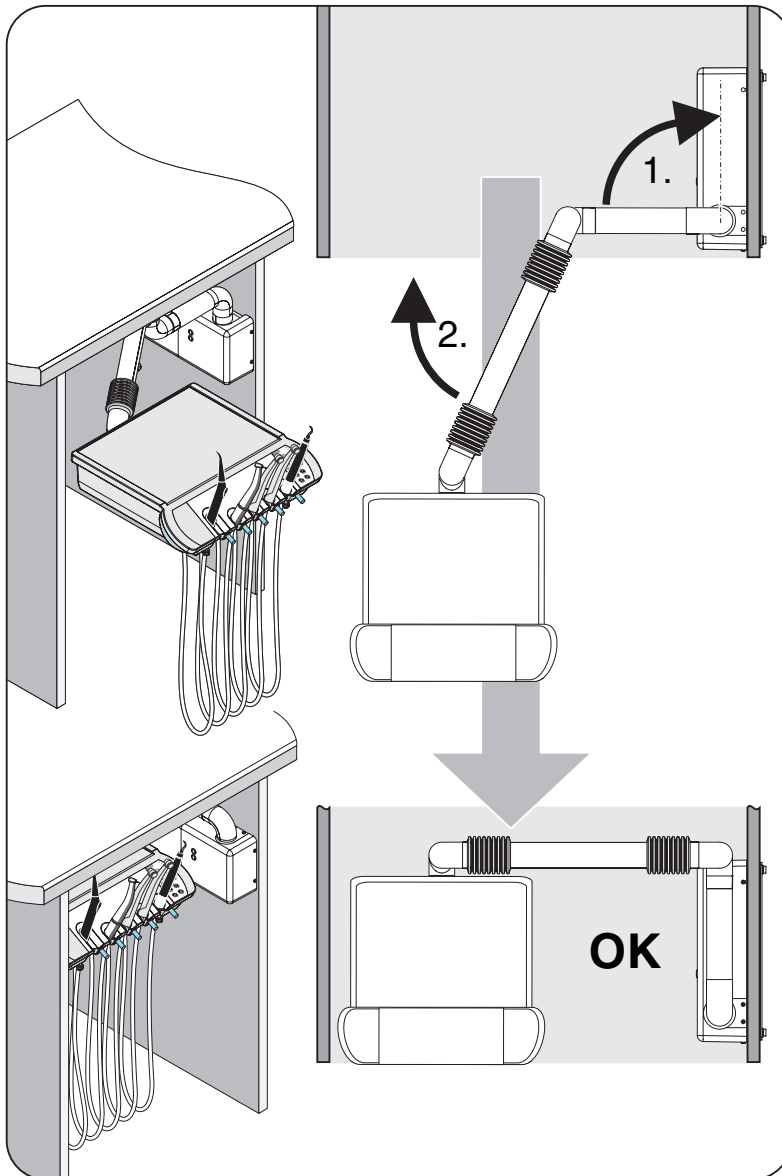


### The stiffness of the support arm is set with a friction brake (B)

1. Loosen the positioning of the dentist element by turning the fixing screw (B) counterclockwise.
2. Position the dentist element at the desired height.
3. Hold the dentist element in this position with one hand.
4. Lock the position of the dentist element by turning the locking screw clockwise.

### **i NOTE**

The maximum load of the dentist element is 2 kg (4.4 lbs)

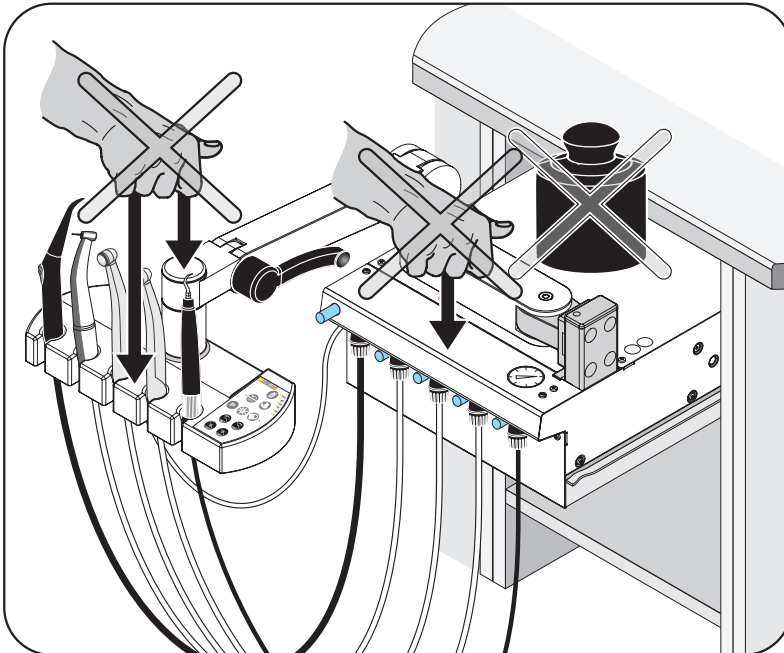


### Parking the dentist element

#### **i NOTE**

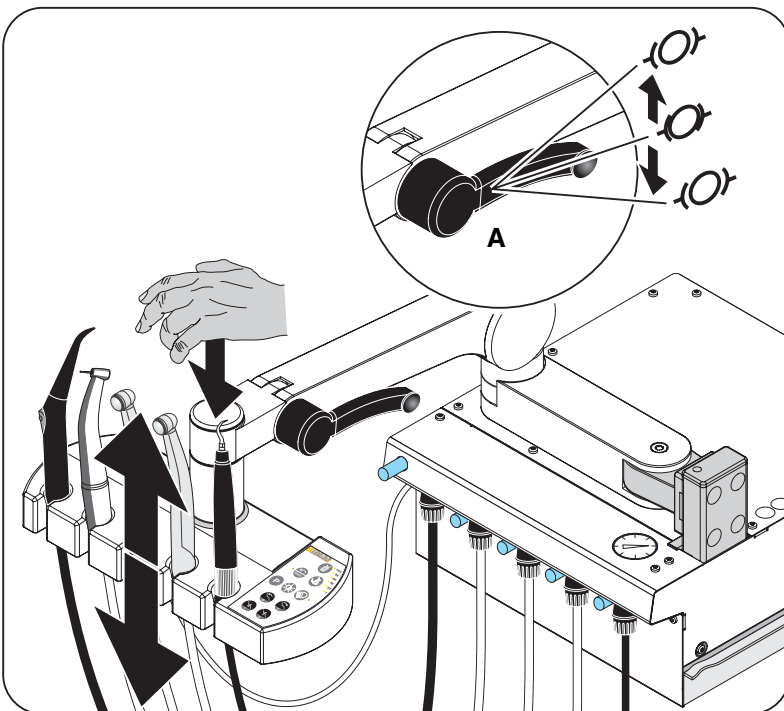
*Avoid collisions with the cabinet when parking the dentist element.  
Hold the dentist element so that there is no risk of crushing your hands.*

## 8.6 Assistant element C8<sup>+</sup> Rear Delivery



### **i NOTE**

Never place any objects on this dentist element!  
It is prohibited to apply pressure to the components.

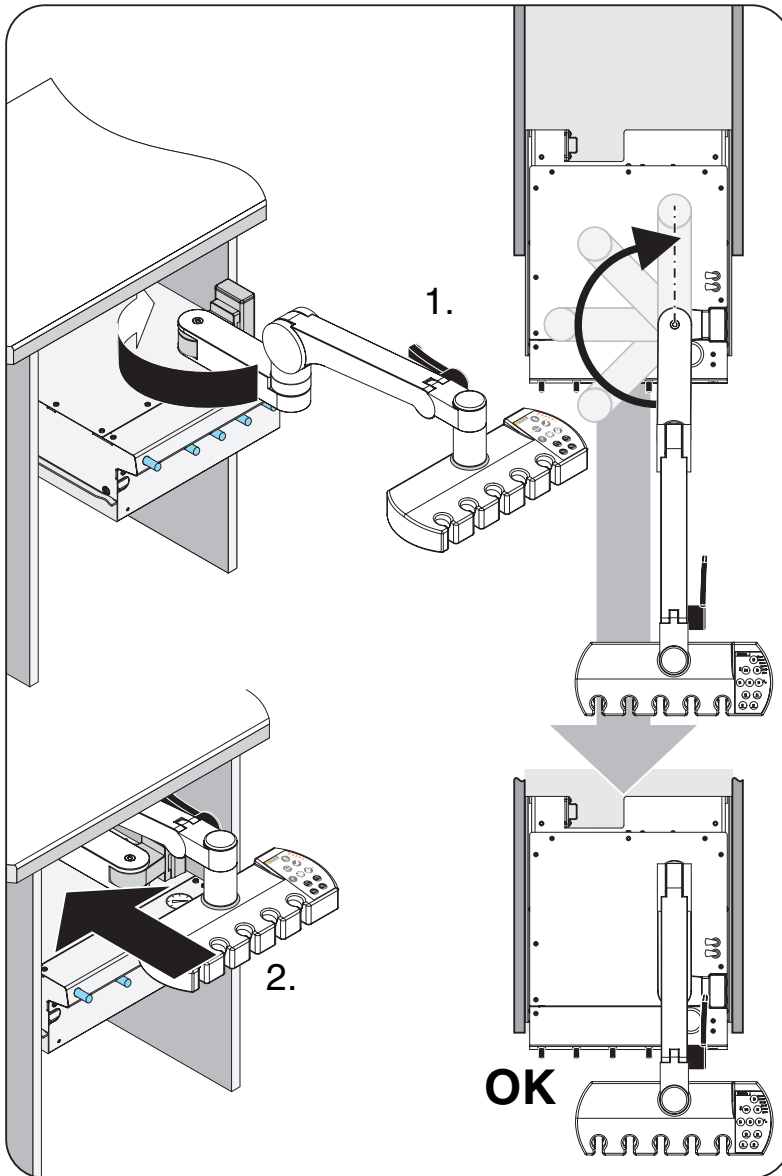


### **Setting the height of the instrument holder**

### **! ATTENTION**

When releasing brake **A**, hold the support arm securely to prevent it from moving upward too quickly.

To disengage the brake, move lever **A** up or down.

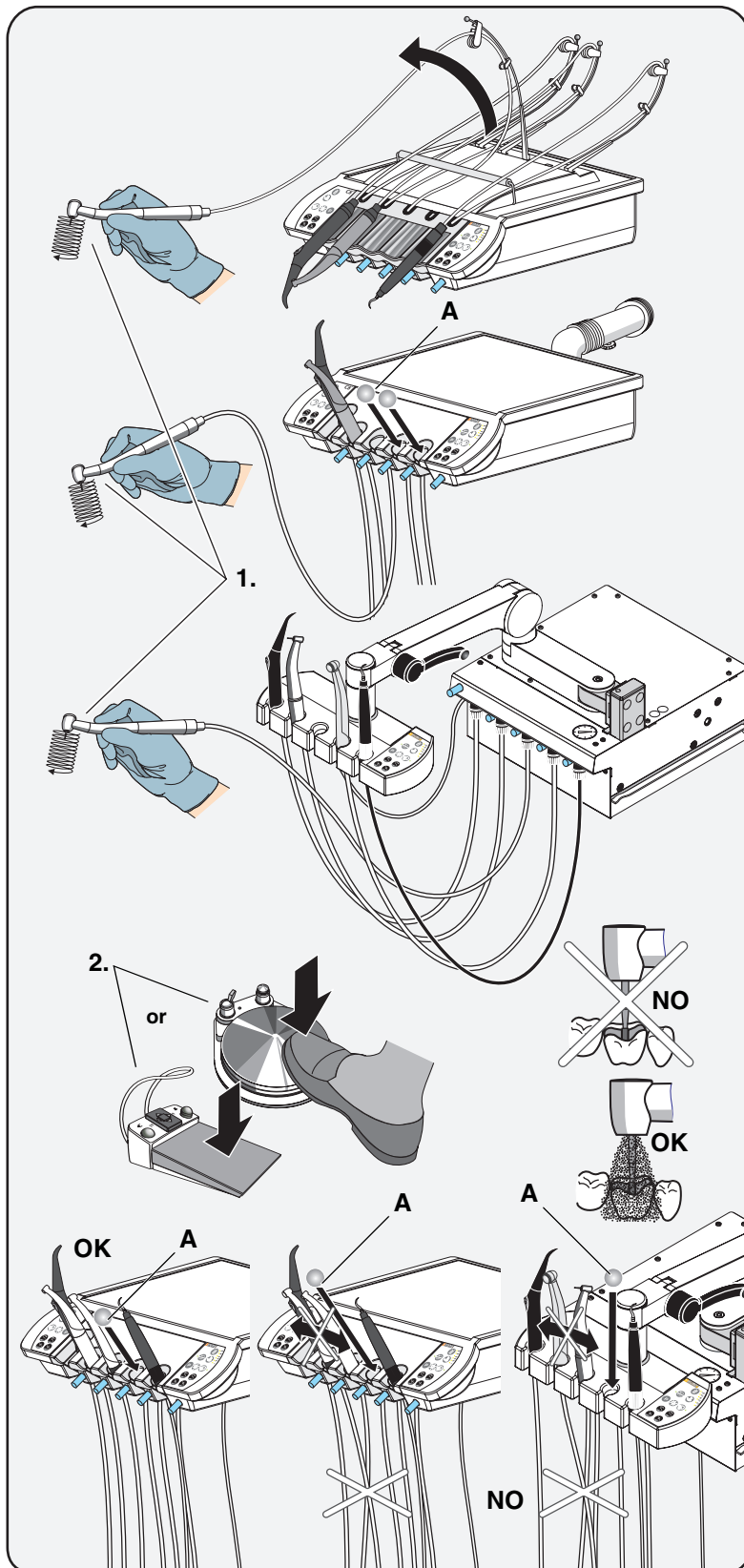


### Parking the dentist element

#### **i NOTE**

*Avoid collisions with the cabinet when parking the dentist element.  
Hold the dentist element so that there is no risk of crushing your hands.*

## 8.7 Starting an instrument



**A =** Unused holders should be sealed with a ball!

### **⚠ ATTENTION**

Do not operate the instrument without spray.  
Always place the instrument back in the correct holder.

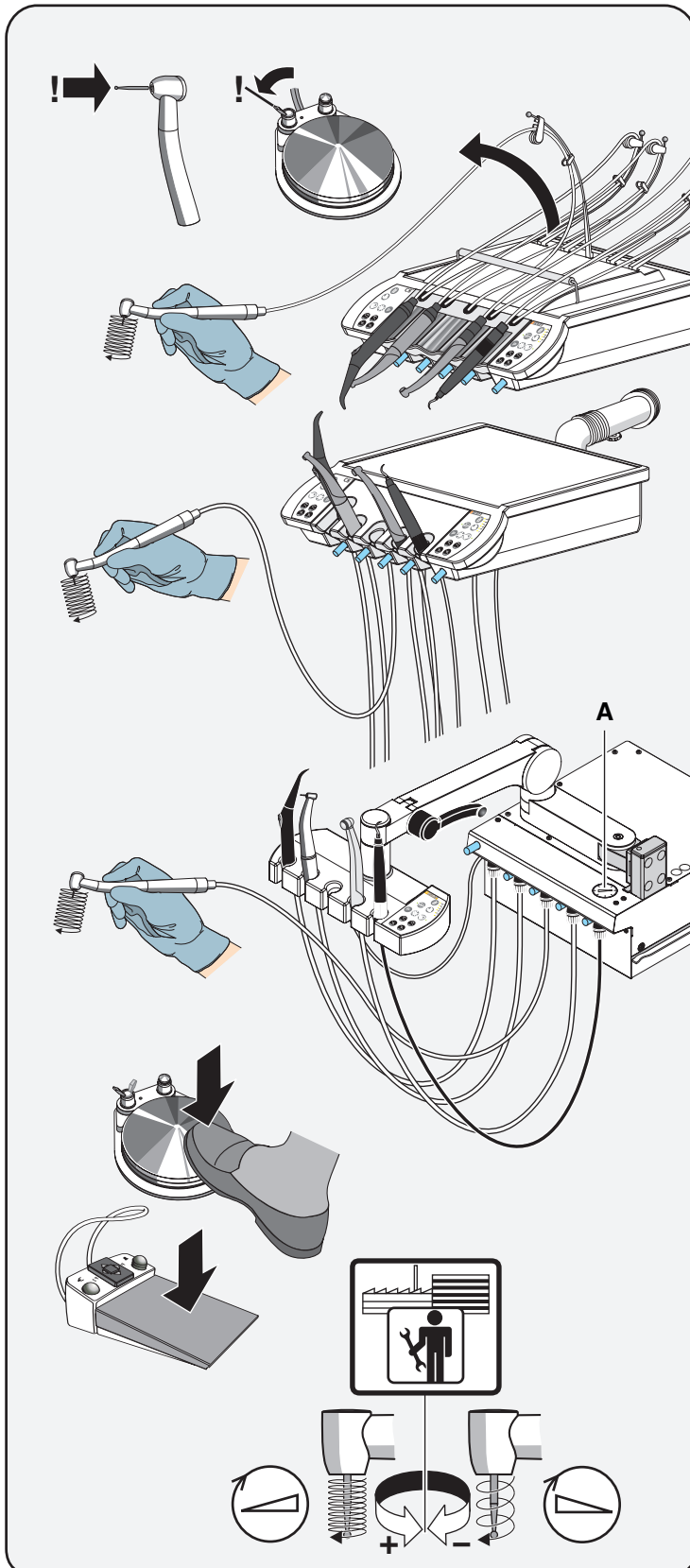
### **i NOTE**

Also observe the operating instructions for the treatment instruments and the video system.

### **⚠ ATTENTION**

Use only treatment instruments approved by Sirona!

## 8.8 Adjusting the driving air pressure

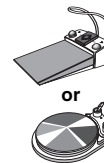


Only by a  
service engineer



### NOTE

The manometer (A) indicates the current driving air pressure.



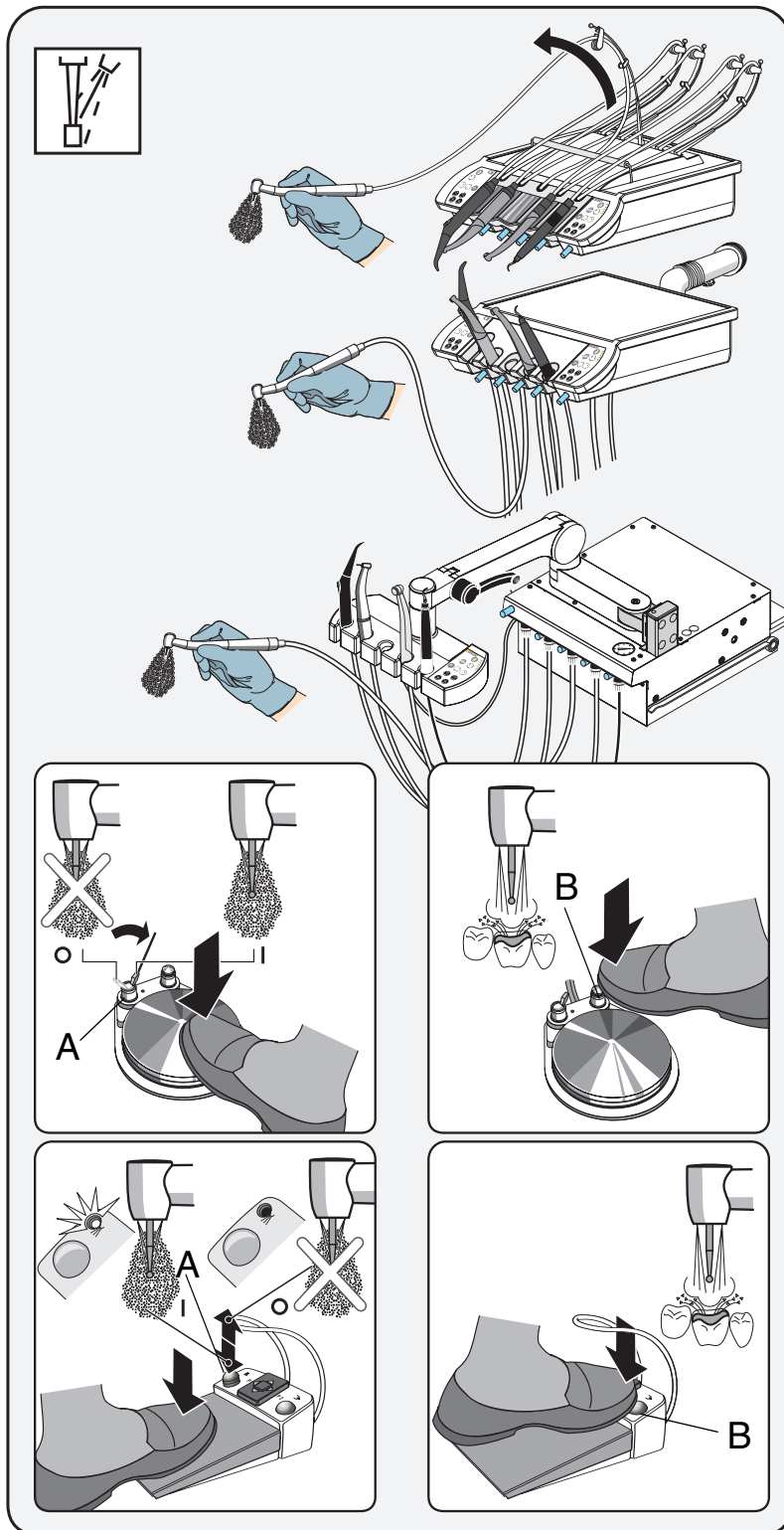
alternatively



or

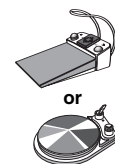


## 8.9 Instrument spray ON/OFF – chip blower



A = Spray ON/OFF

B = Chip blower



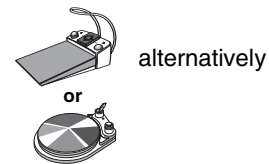
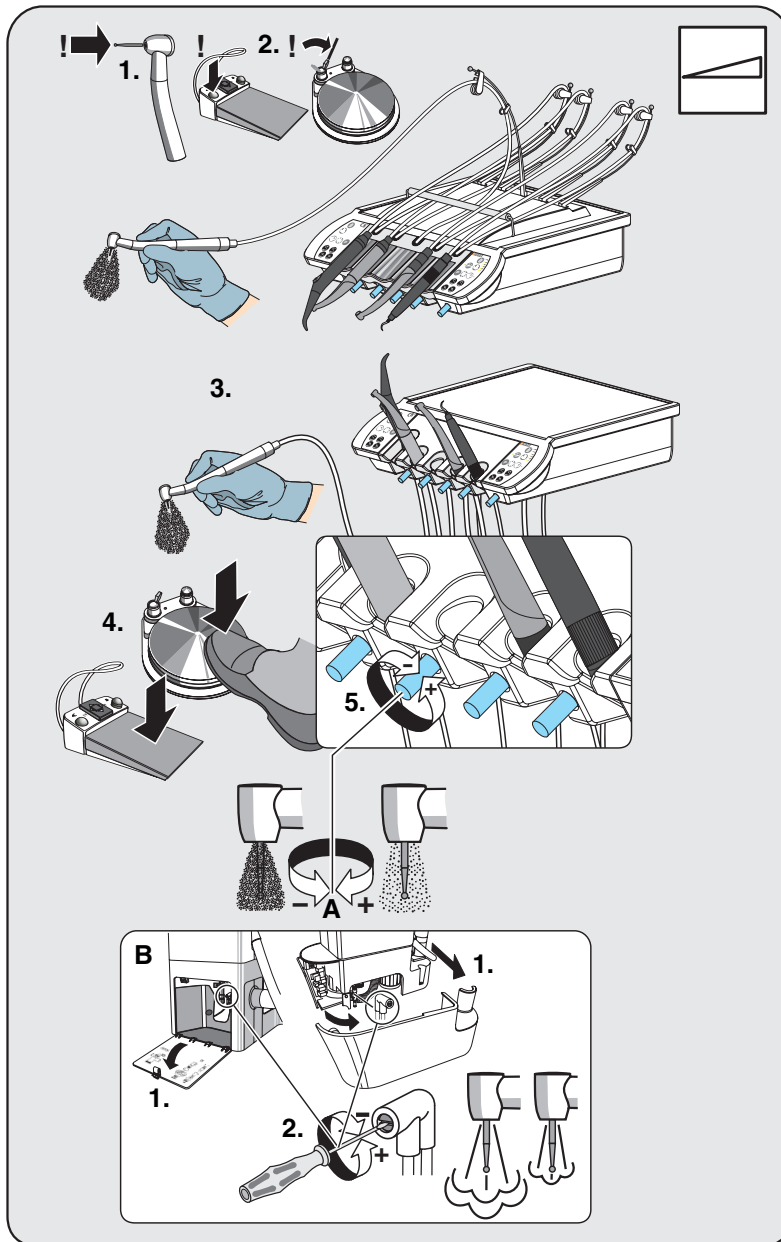
or

alternatively

### **i NOTE**

For the adjacent foot switch, "Spray ON" is indicated by a green signal in the upper left corner.

## 8.10 Instruments – adjusting the spray intensity – not C8<sup>+</sup> Rear Delivery



**A = Spray WATER**

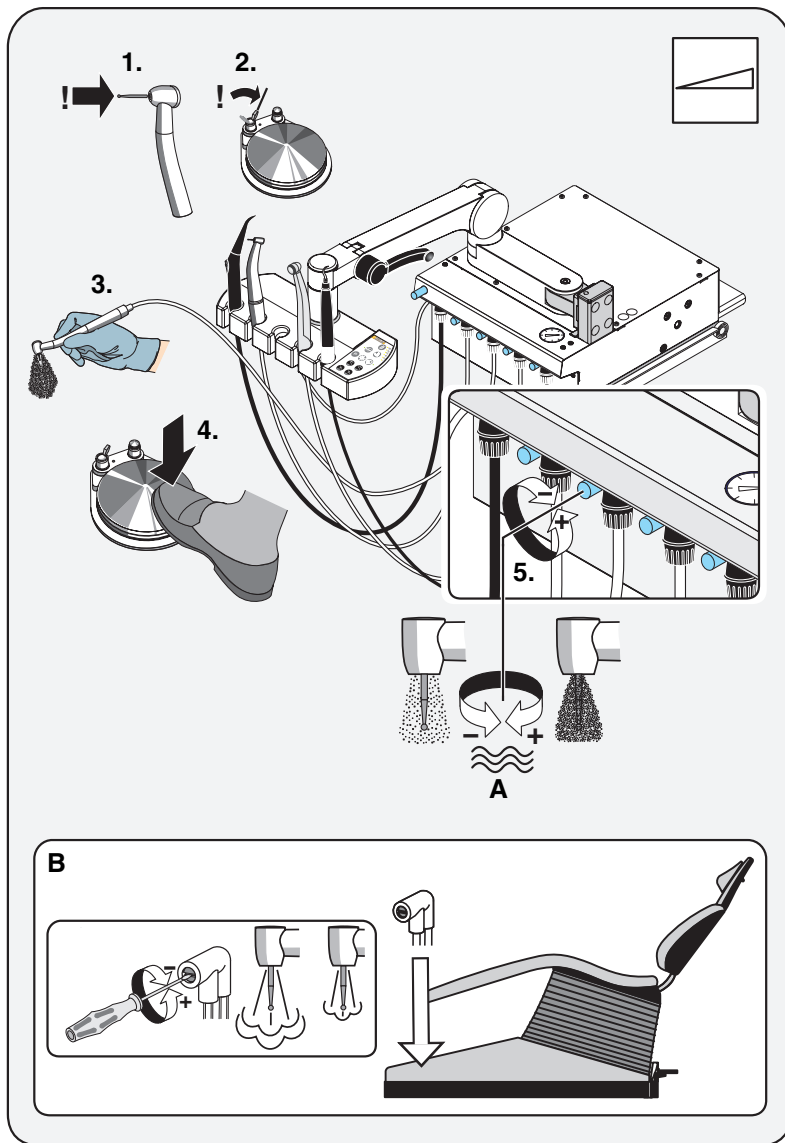
**B = Spray AIR**

### C8<sup>+</sup>Cart / C8<sup>+</sup> Side Delivery



The control choke may be adjusted only by a service engineer.

## 8.11 Instruments – adjusting the spray intensity – C8<sup>+</sup> Rear Delivery



### Spray WATER (A)

1. Insert the burr.
2. Preselect spray on the instrument foot switch.
3. Remove the instrument.
4. Actuate the instrument foot switch.
5. Adjust the spray water using the rotary knob on the instrument holder or rack, located on the lower part of the dentist element front panel.

### Spray AIR (B)

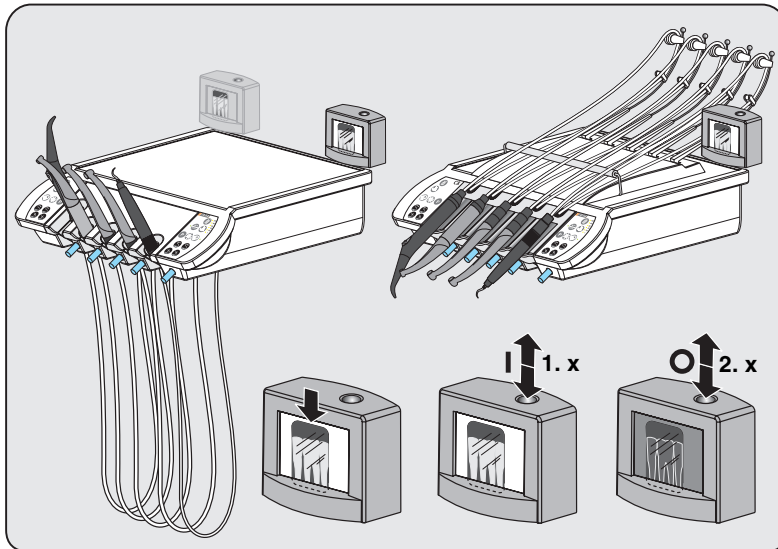
#### **i** NOTE



The control choke may be set only by a service engineer.

# 9 Dentist element options

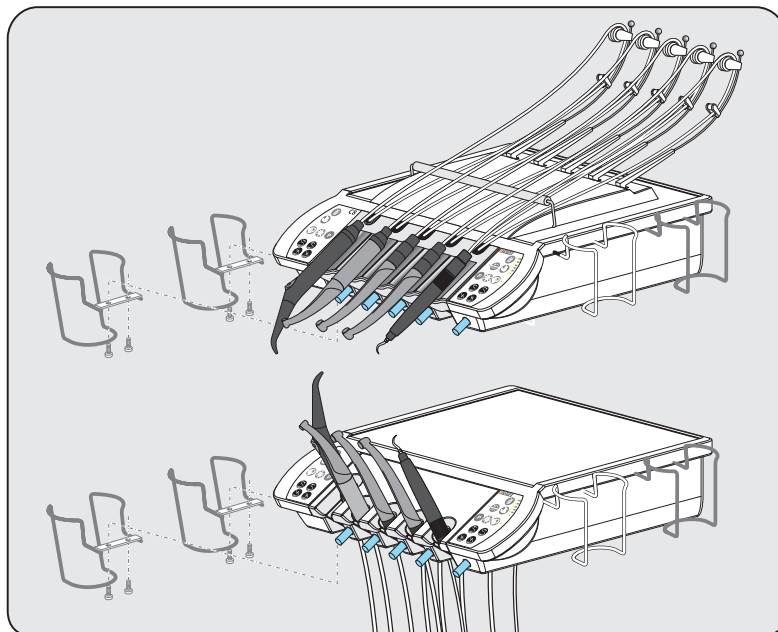
## 9.1 X-ray image viewer



### **i NOTE**

*Not available with C8<sup>+</sup> Side Delivery and C8<sup>+</sup> Rear Delivery versions.*

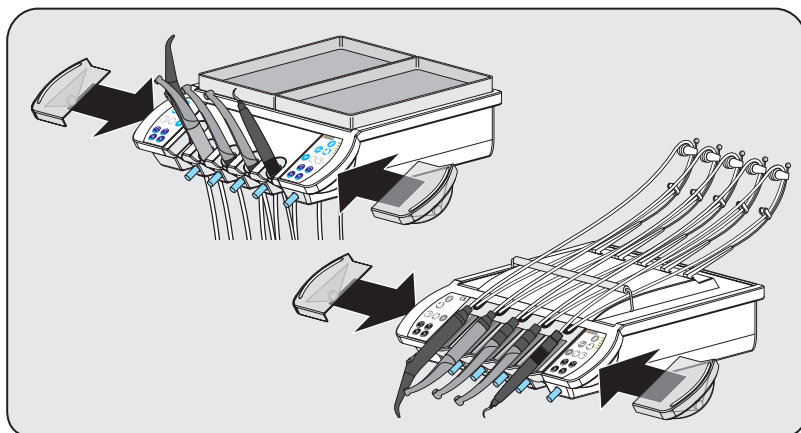
## 9.2 Tumbler holder



### **i NOTE**

*Not available with C8<sup>+</sup> Side Delivery and C8<sup>+</sup> Rear Delivery versions.*

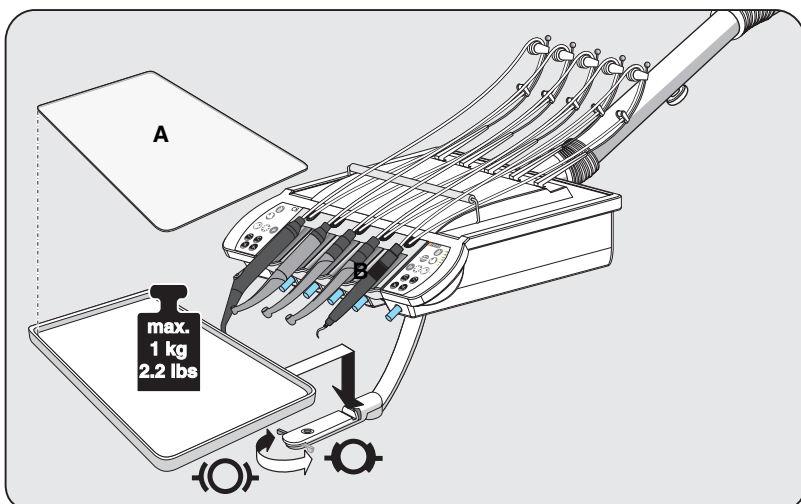
## 9.3 Silicone handles, right/left



### **i NOTE**

Not available with C8<sup>+</sup> Rear Delivery version.

## 9.4 Tray



### **i NOTE**

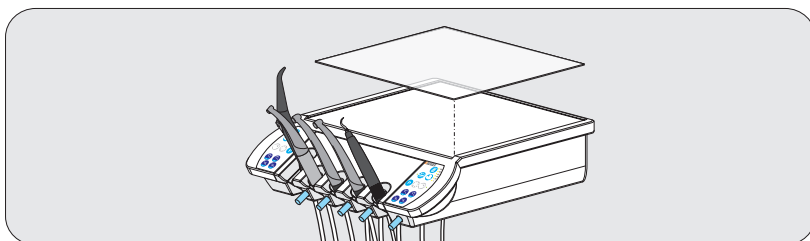
Not available with C8<sup>+</sup> Rear Delivery version.

A = Silicone mat, optional  
Option



Maximum load

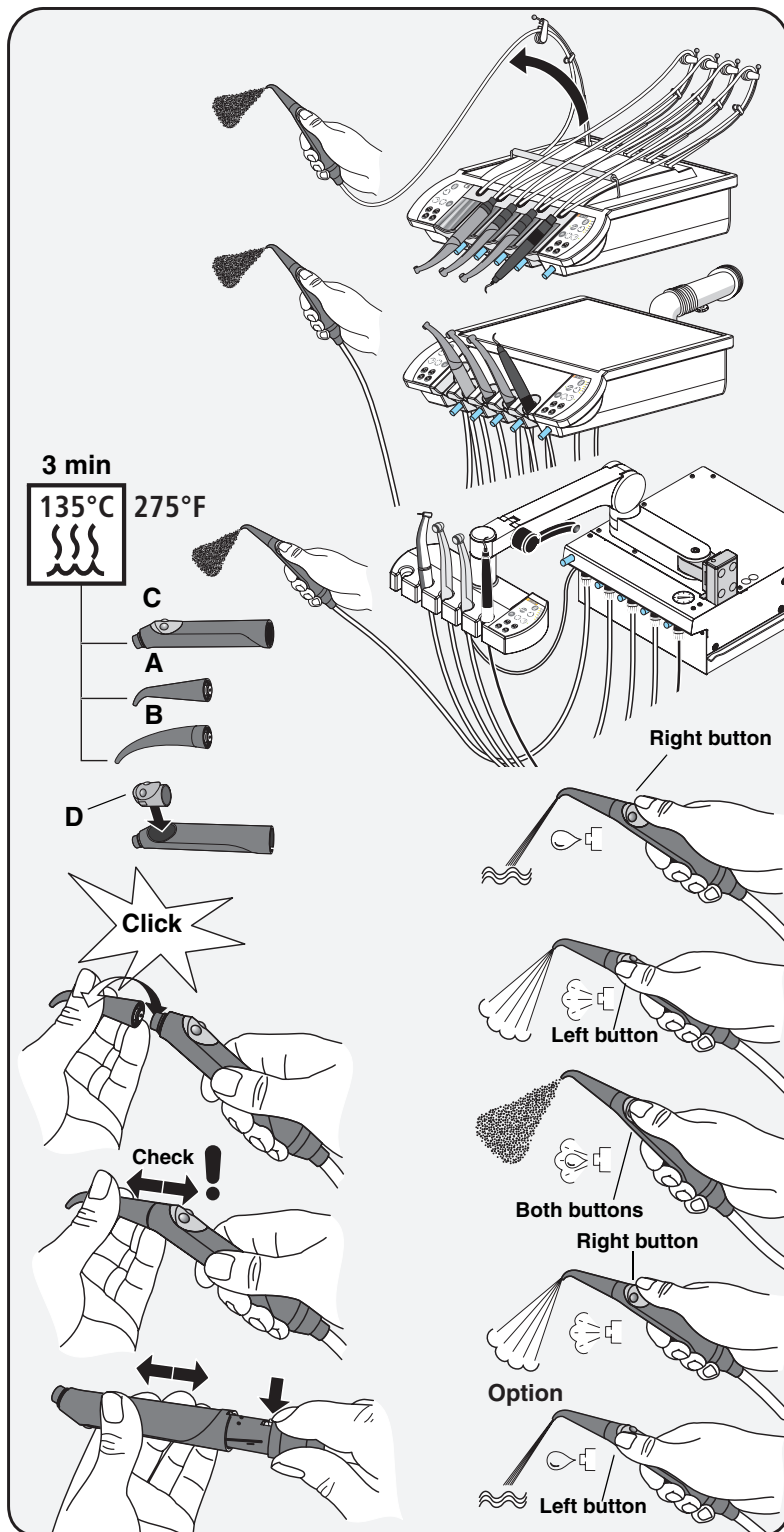
## 9.5 Silicone mat



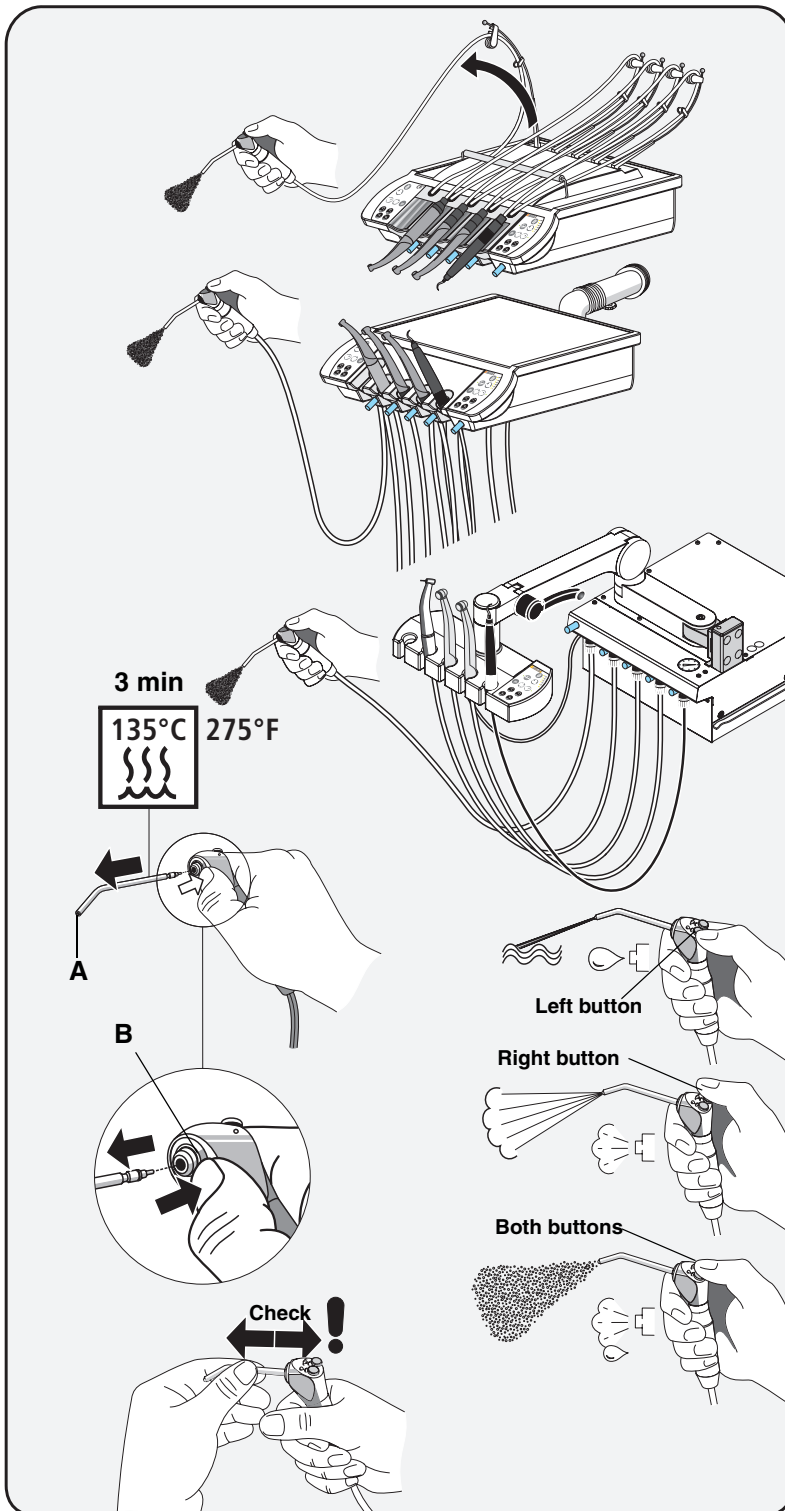
### **i NOTE**

Not available with C8<sup>+</sup> Rear Delivery version.

## 9.6 SPRAYVIT 3-way syringe

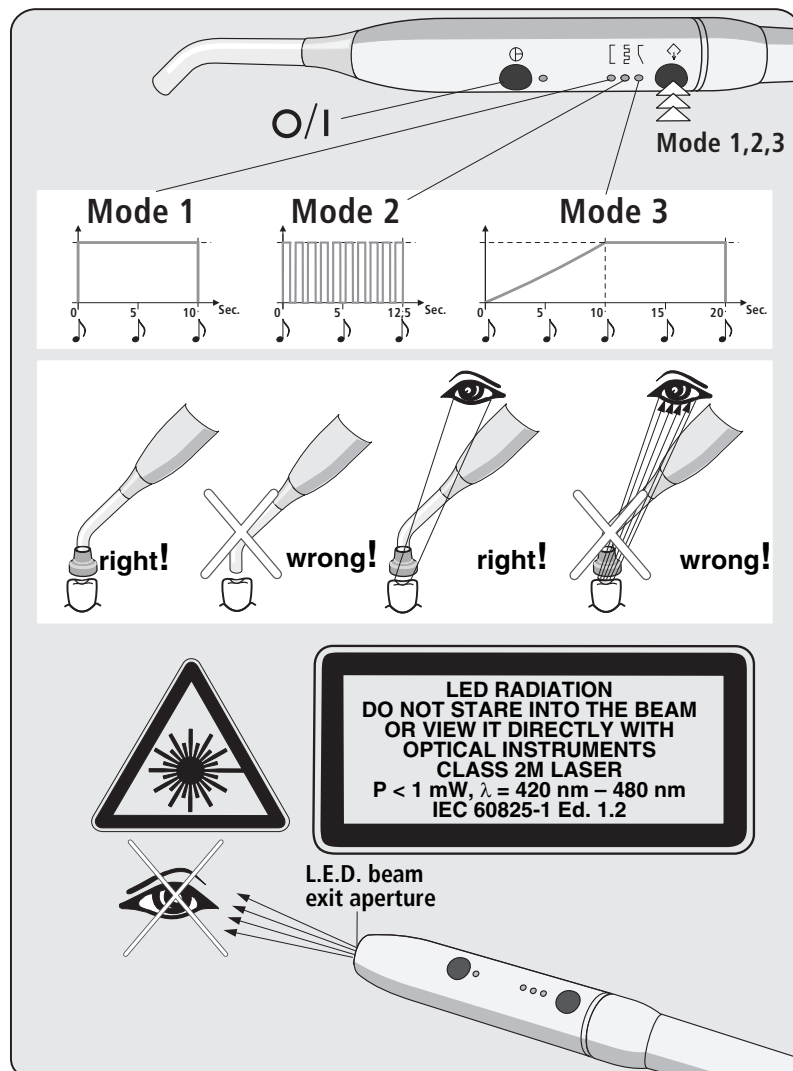
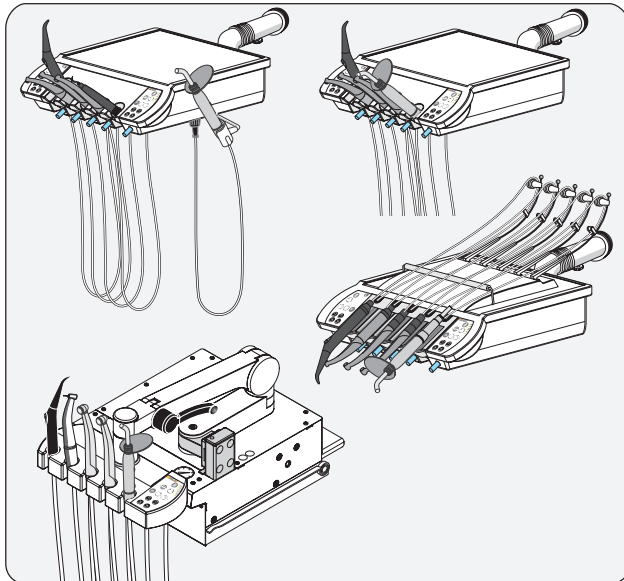


## 9.7 3-way syringe





## 9.8 Satelec Mini L.E.D. curing light



### Technical data

Model: Mini L.E.D.

Weight of handpiece without hose:  
105 g

Dimensions: dia. 23 x 240 mm

Handpiece power supply:  
5 V DC/2 A

### Optical specification

Wavelength: 420 nm – 480 nm

Light power dia. 7.5 mm (standard version): 1100 mW/cm<sup>2</sup>

Light power dia. 5.5 mm (optional, order from Satelec):  
2000 mW/cm<sup>2</sup>

Power: 450 mW – 500 mW

Laser power: < 1 mW

### ⚠ ATTENTION

Also observe the safety information on the Mini L.E.D. on pp. 15 ff.

### ⚠ ATTENTION

Use the glare shield!

Do not stare into the light exit aperture of the glass rod!

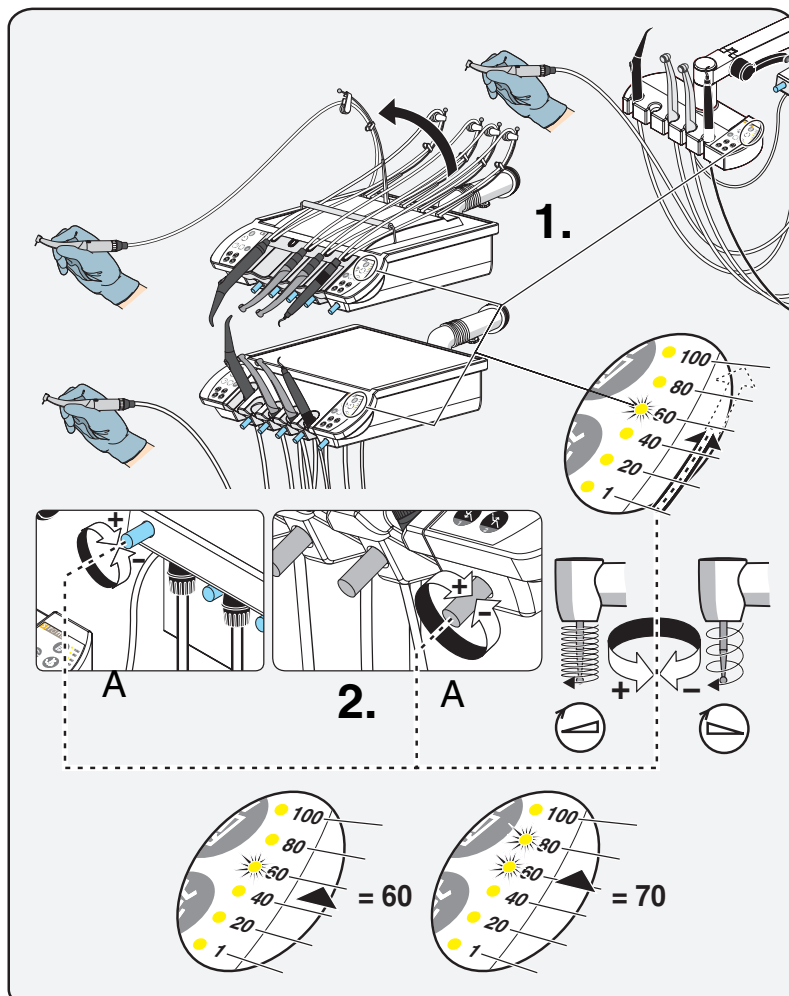
### ⚠ ATTENTION

Do not stare into the beam path with the glass rod removed (Class 2M laser product).

Viewing the LED light exit aperture with certain optical instruments (e.g. a magnifying lens) within a distance of 100 mm may constitute an eye hazard.



## 9.9 SL/EL 1 electric motor



Use only Sirona electric motors!

| Speed in % | LED/display |    |    |    |    |     |
|------------|-------------|----|----|----|----|-----|
|            | 1           | 20 | 40 | 60 | 80 | 100 |
| 1 - 4      | X           |    |    |    |    |     |
| 5 - 14     | X           | X  |    |    |    |     |
| 15 - 24    |             | X  |    |    |    |     |
| 25 - 34    |             | X  | X  |    |    |     |
| 35 - 44    |             |    | X  |    |    |     |
| 45 - 54    |             |    | X  | X  |    |     |
| 55 - 64    |             |    |    | X  |    |     |
| 65 - 74    |             |    |    | X  | X  |     |
| 75 - 84    |             |    |    |    | X  |     |
| 85 - 94    |             |    |    |    | X  | X   |
| 95 - 100   |             |    |    |    |    | X   |

A = Preselected maximum speed



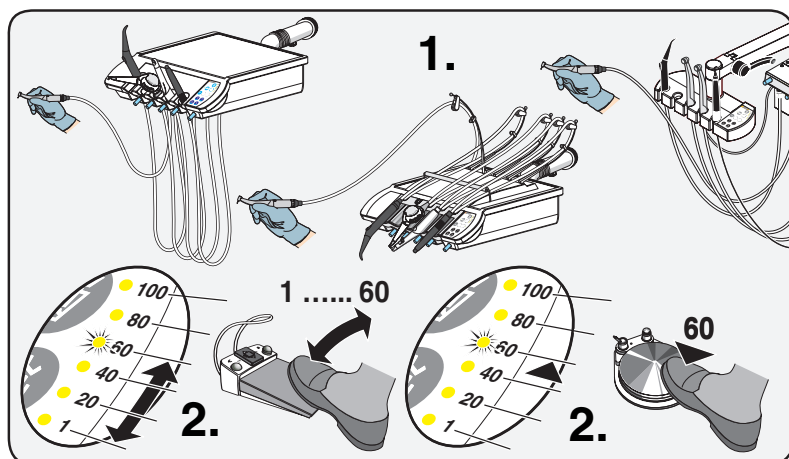
Speed +



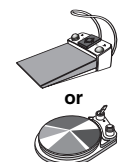
Speed -

### **i** NOTE

The set value is saved when the instrument is placed back in its holder.



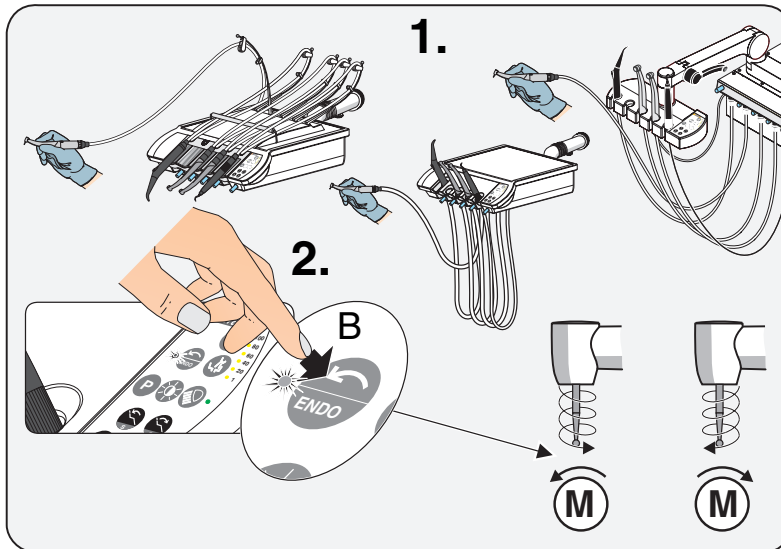
Motor speed check with the Sirona unit foot switch



alternatively


or






### Reversing the direction of motor rotation

**B** = Direction of rotation

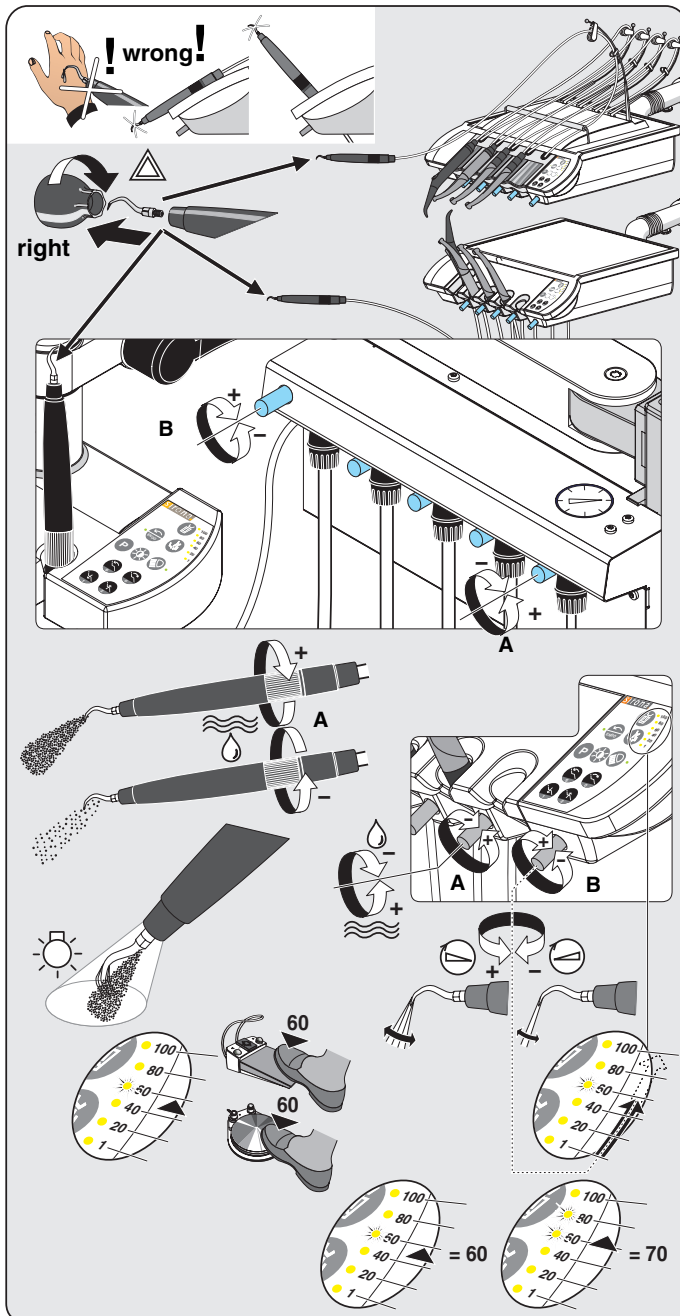
Motor CCW  


Motor CW  


#### **i NOTE**

*CCW rotation is not saved when the instrument is placed back in its holder.*

## 9.10 SIROSONIC L scaler



| Power in % | LED/display |    |    |    |    |     |
|------------|-------------|----|----|----|----|-----|
|            | 1           | 20 | 40 | 60 | 80 | 100 |
| 1 - 4      | X           |    |    |    |    |     |
| 5 - 14     | X           | X  |    |    |    |     |
| 15 - 24    |             | X  |    |    |    |     |
| 25 - 34    |             | X  | X  |    |    |     |
| 35 - 44    |             |    | X  |    |    |     |
| 45 - 54    |             |    | X  | X  |    |     |
| 55 - 64    |             |    |    | X  |    |     |
| 65 - 74    |             |    |    | X  | X  |     |
| 75 - 84    |             |    |    |    | X  |     |
| 85 - 94    |             |    |    |    | X  | X   |
| 95 - 100   |             |    |    |    |    | X   |

**A** = Water +/-

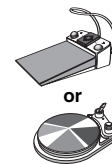
**B** = Preselected maximum intensity



**Intensity +**



**Intensity -**



**alternatively**

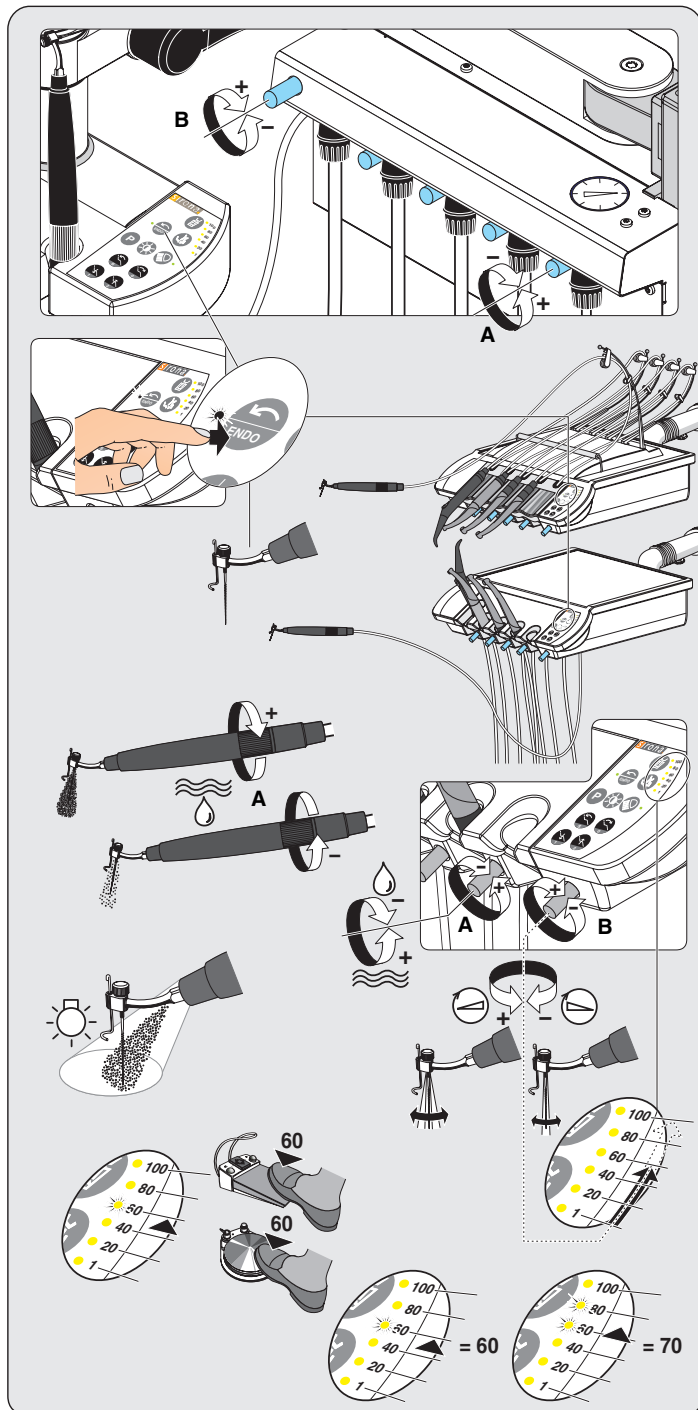
or



### **ATTENTION**

The set value is saved when the instrument is placed back in its holder.

## 9.11 SIROSONIC L endodontic scaler



In endodontics mode, the maximum intensity of the ultrasonic handpiece is limited to ensure safe operation.

| Power  | LED/display |    |    |    |    |     |
|--------|-------------|----|----|----|----|-----|
|        | 1           | 20 | 40 | 60 | 80 | 100 |
| Step 1 | X           |    |    |    |    |     |
| Step 2 |             | X  |    |    |    |     |
| Step 3 |             |    | X  |    |    |     |
| Step 4 |             |    |    | X  |    |     |
| Step 5 |             |    |    |    | X  |     |
| Step 6 |             |    |    |    |    | X   |

**A** = Water +/-

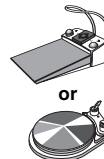
**B** = Preselected maximum intensity



**Intensity +**



**Intensity -**



**alternatively**

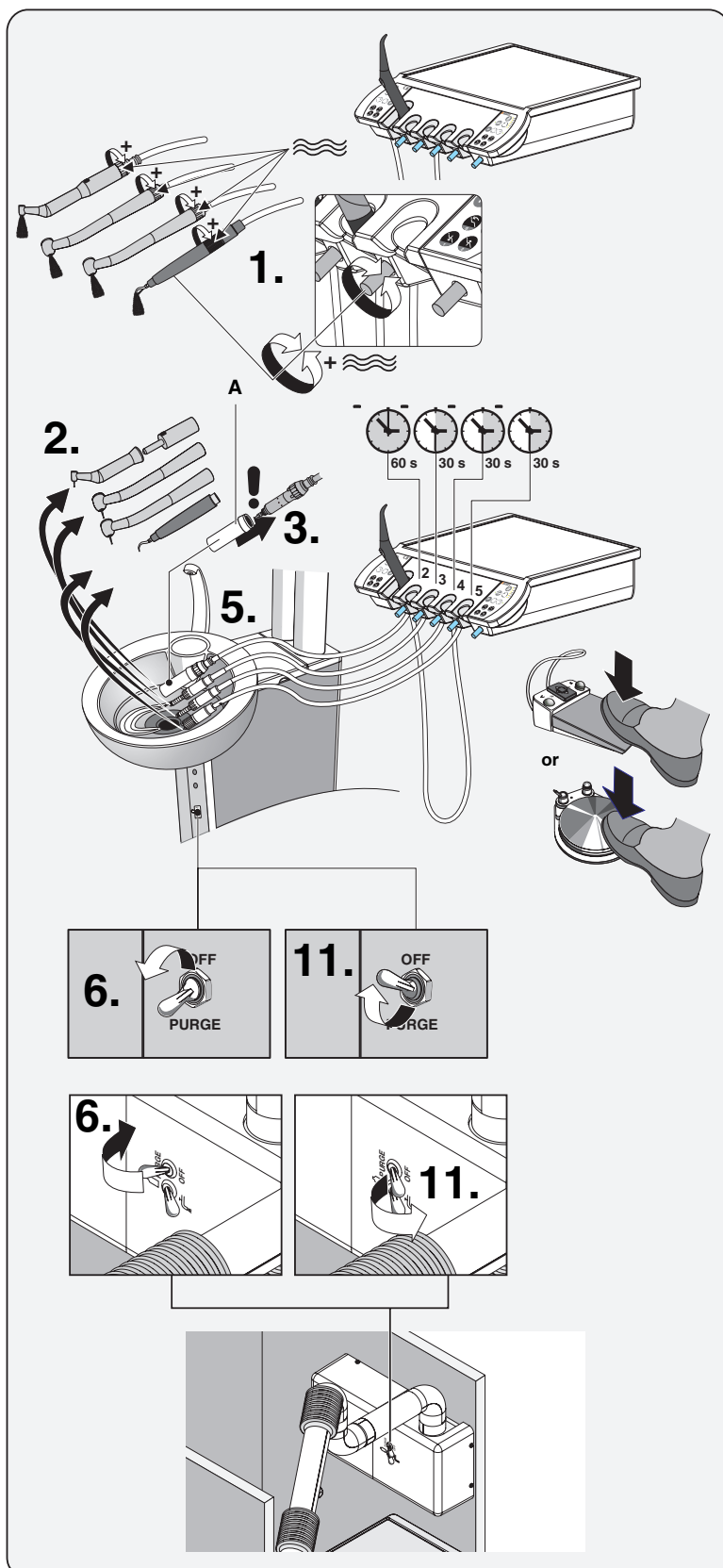
or



### **⚠ ATTENTION**

The set value is saved when the instrument is placed back in its holder.

## 9.12 Purge function – not for C8<sup>+</sup> Rear Delivery



### Application

The purge function serves for purging the water paths.

1. Remove the instruments intended for purging and set them to maximum water flow.
2. Pull off the handpieces.
3. If an SL motor is installed, attach the purge adapter (A).
4. Put the instruments back in place.
5. Remove the instrument from holder 2 and hold it above the cuspidor.
6. Set the switch to **PURGE**.
7. The instrument will automatically be purged for 60 seconds.

### **i** NOTE

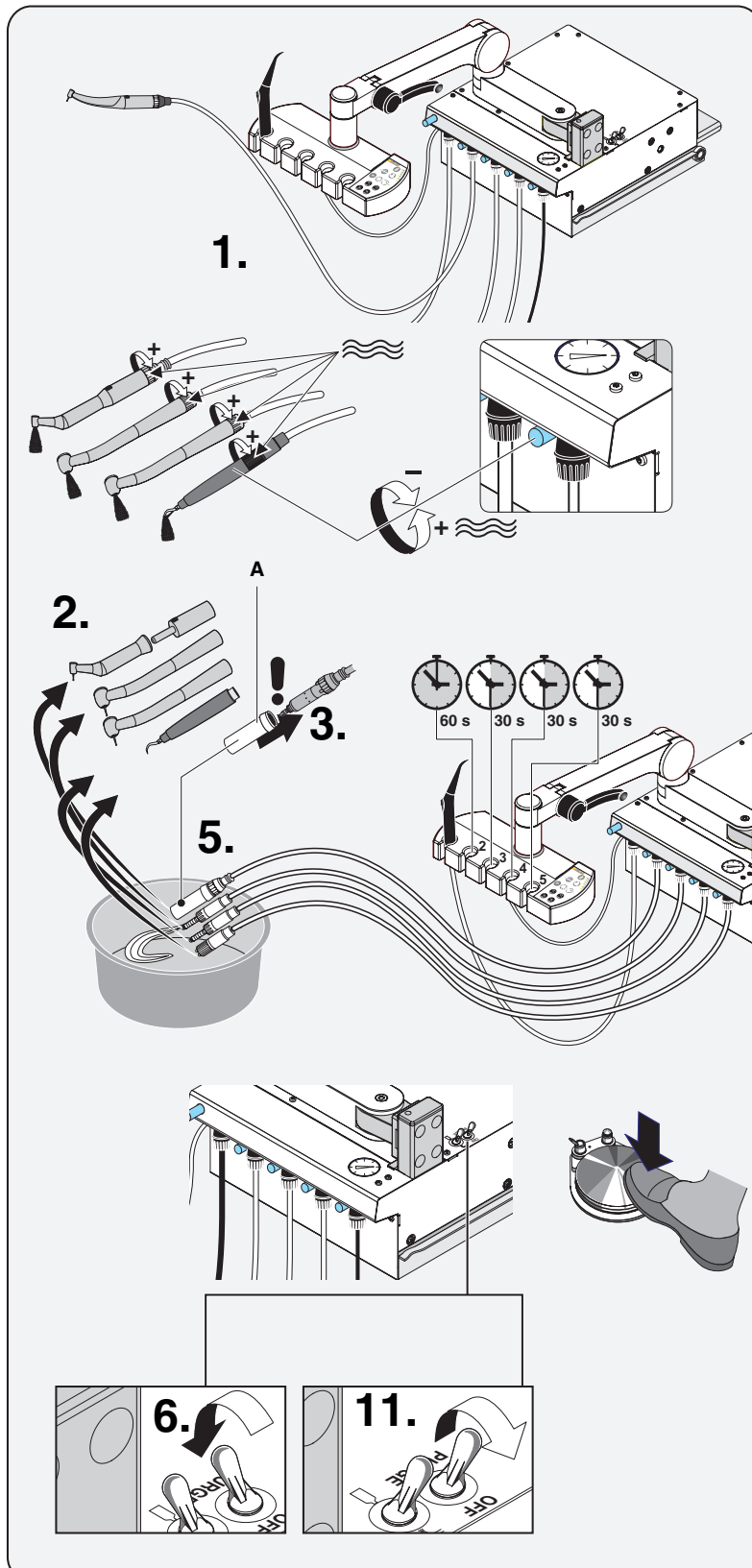
To interrupt the purge function, actuate the foot switch and hold it down.

8. Place the instrument back in its holder and remove the next instrument.
9. After a delay of 5 seconds, the instrument will automatically be purged for 30 seconds.
10. Repeat steps 8. through 9. for all instruments connected.
11. Once you have finished purging all instruments, set the switch to **OFF**.

### **i** NOTE

All handpieces can also be removed simultaneously. The purge function is then performed automatically.

## 9.13 Purge function - C8<sup>+</sup> Rear Delivery



### Application

The purge function serves for purging the water paths.

1. Remove the instruments intended for purging and set them to maximum water flow.
2. Pull off the handpieces.
3. If an SL motor is installed, attach the purge adapter (A).
4. Put the instruments back in place.
5. Remove the instrument from holder 2 and hold it above the cuspidor.
6. Set the switch to **PURGE**.
7. The instrument will automatically be purged for 60 seconds.

### **i** NOTE

To interrupt the purge function, actuate the foot switch and hold it down.

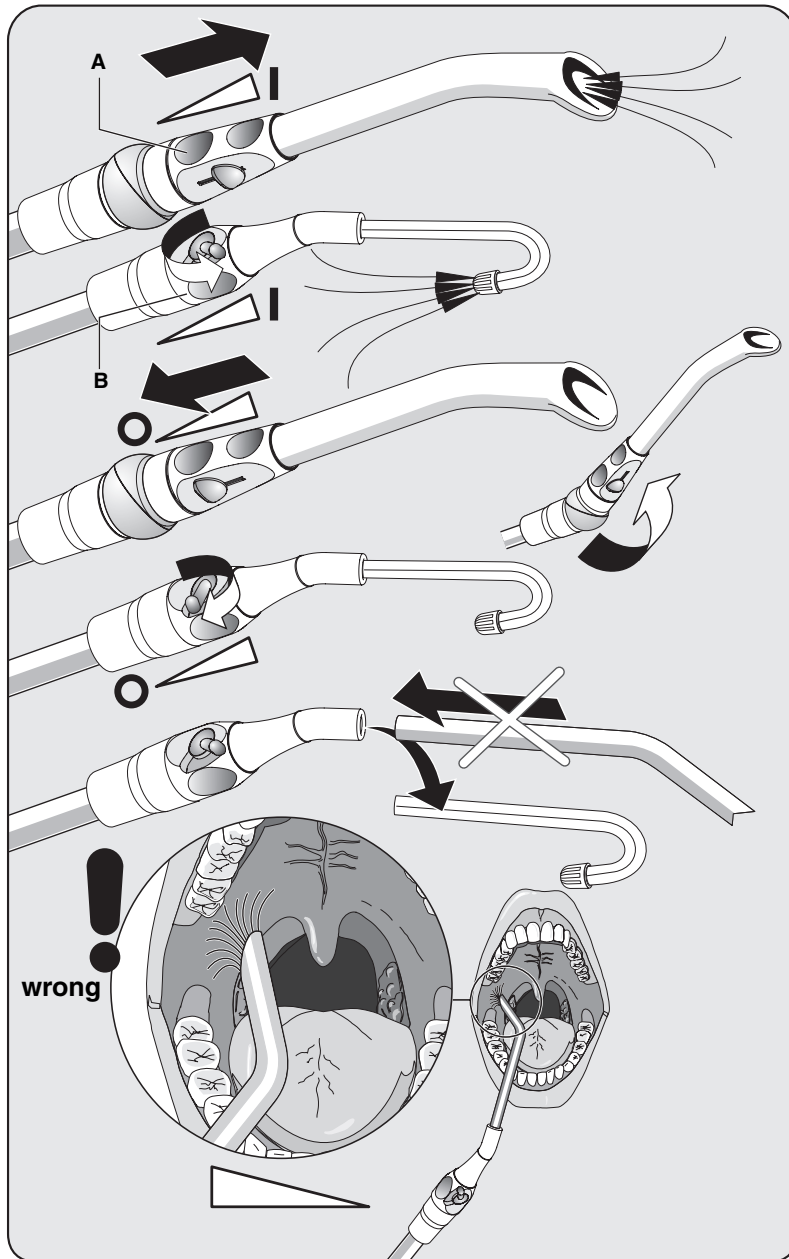
8. Place the instrument back in its holder and remove the next instrument.
9. After a delay of 5 seconds, the instrument will automatically be purged for 30 seconds.
10. Repeat steps 8. through 9. for all instruments connected.
11. Once you have finished purging all instruments, set the switch to **OFF**.

### **i** NOTE

All handpieces can also be removed simultaneously. The purge function is then performed automatically.

# 10 Assistant element

## 10.1 Suction handpiece/saliva ejector



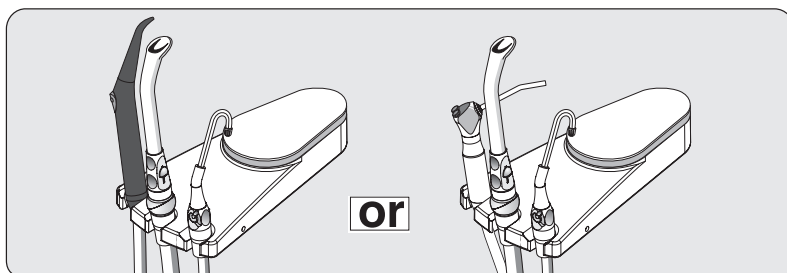
**A** = Suction handpiece

**B** = Saliva ejector

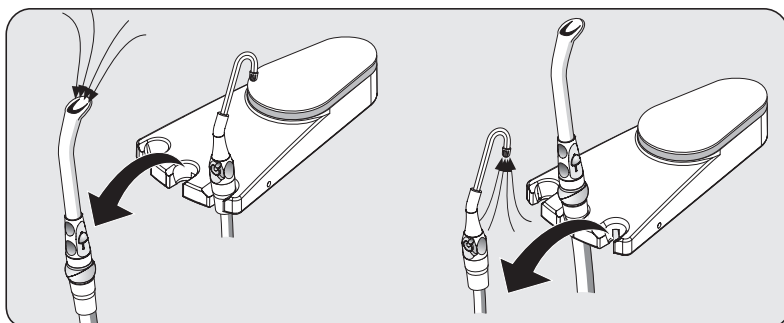


# 11 Assistant element options

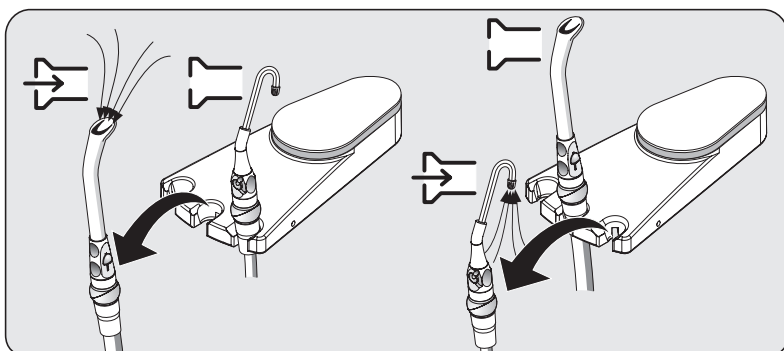
## 11.1 3-way syringes



## 11.2 Microswitch for vacuum system control

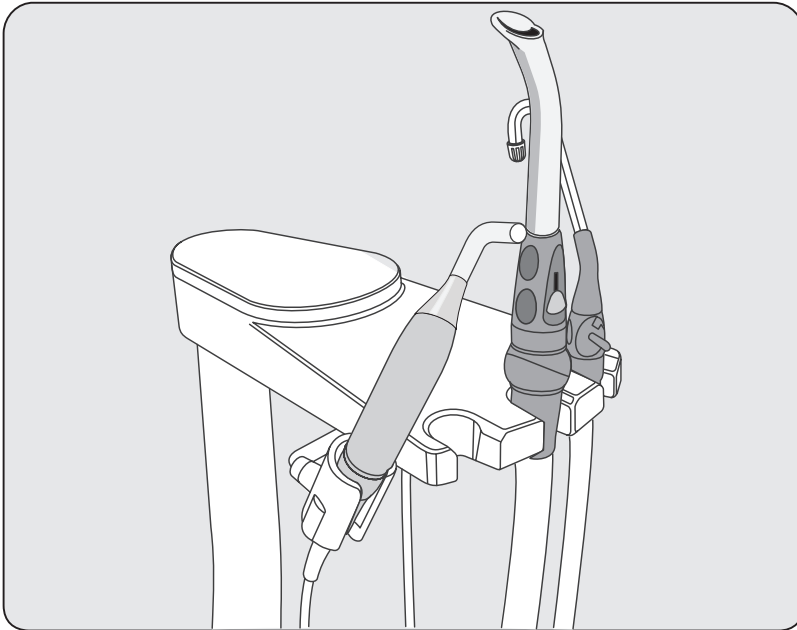


## 11.3 Air jet pump





## 11.4 Satelec Mini L.E.D. curing light



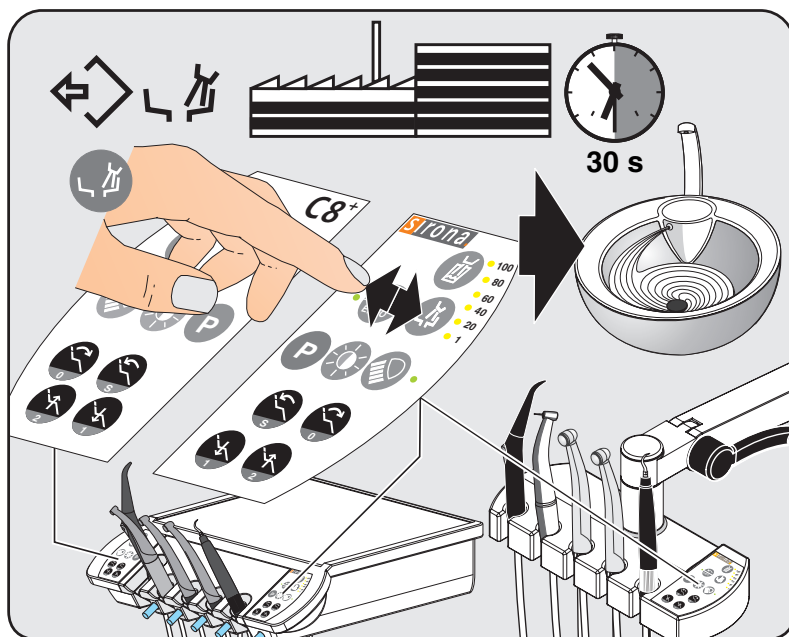
Operation: see Chapter 9.8

## 11.5 Control panel, assistant element



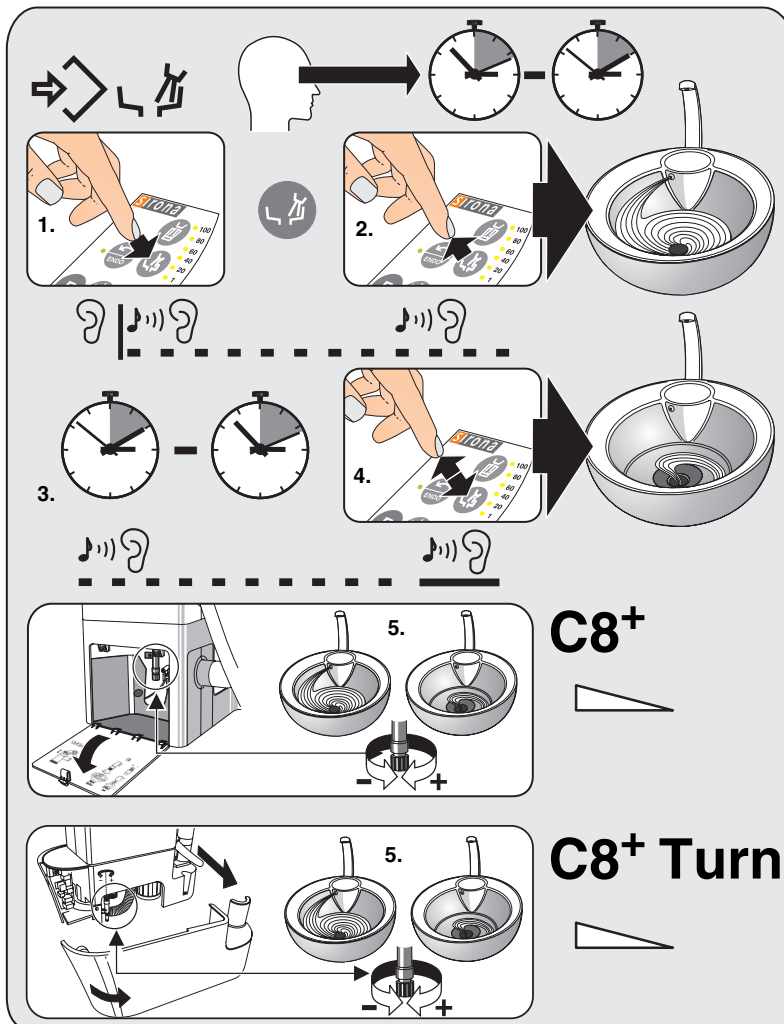
# 12 Water unit

## 12.1 Cuspidor flushing time – factory settings

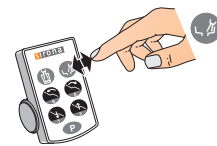


Option

## 12.2 Cuspidor flushing time – reprogramming

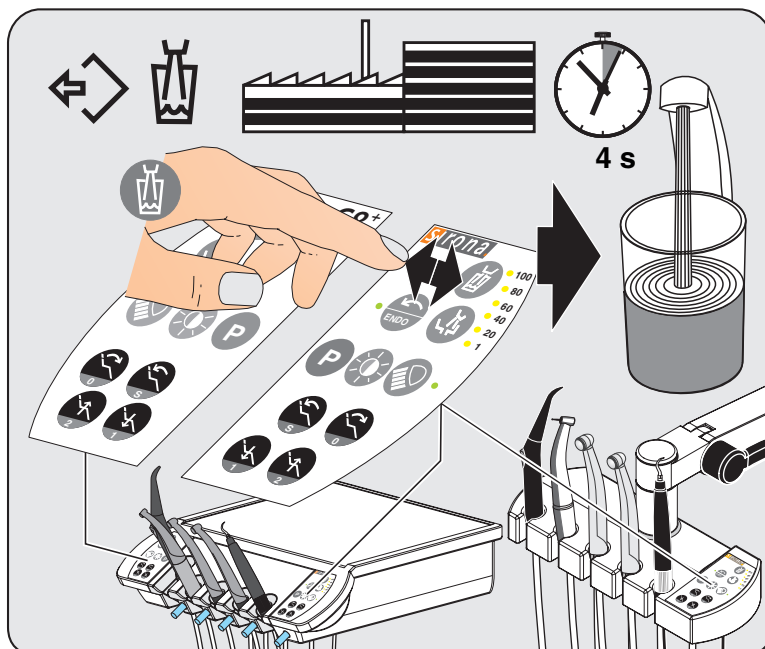


Option



alternatively

## 12.3 Tumbler filling – factory settings

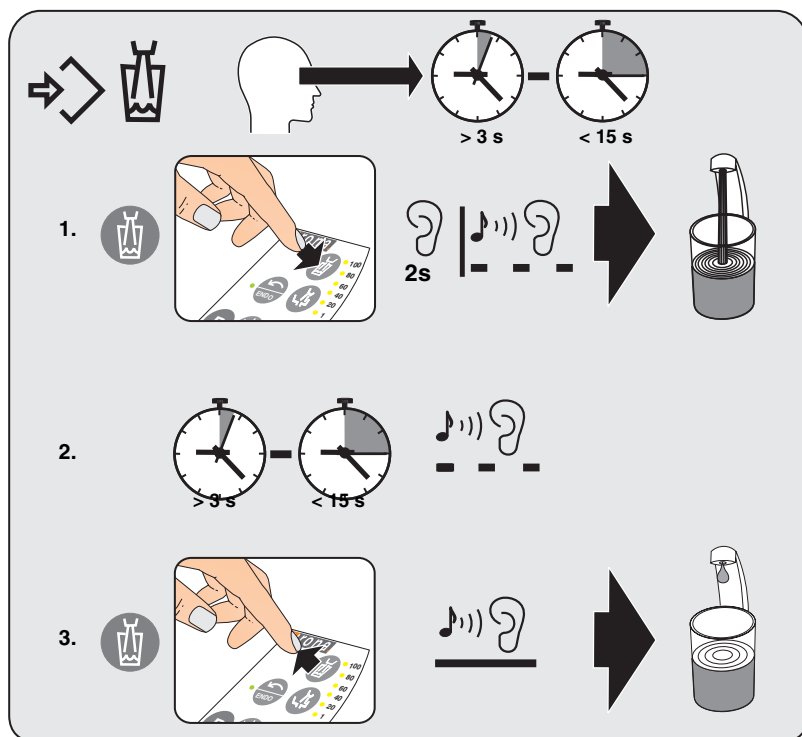


Option



alternatively

## 12.4 Tumbler filling – reprogramming

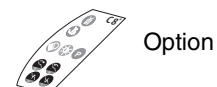
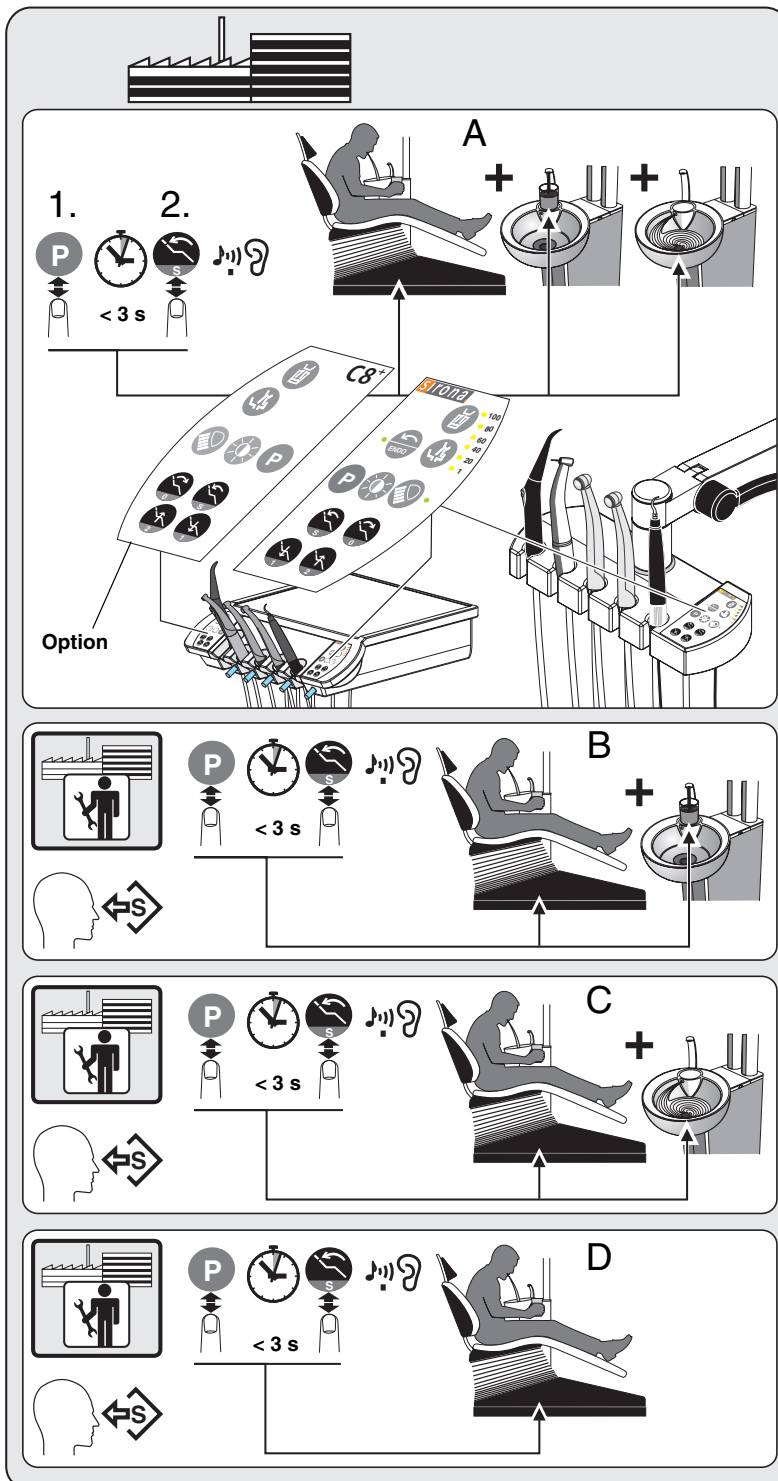


Option

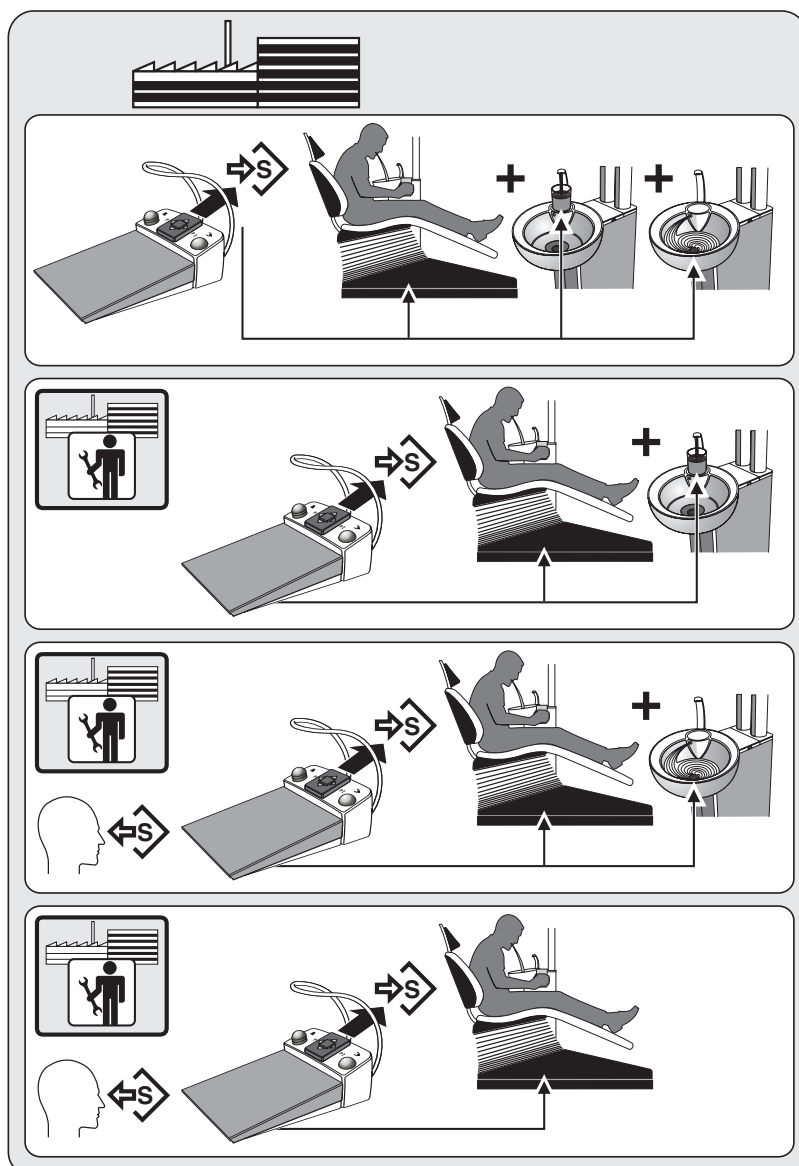


alternatively

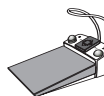
## 12.5 Combination of rinsing position S with tumbler filling and flushing controlled by dentist element



### Combination of rinsing position S with tumbler filling and flushing controlled by foot switch

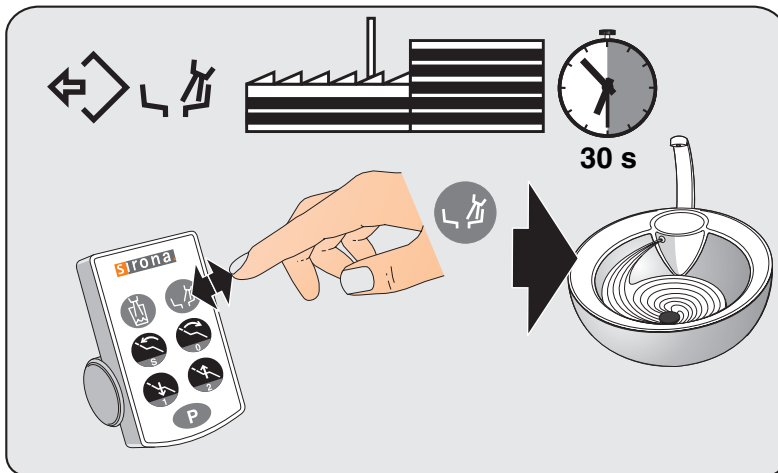


Only by a service engineer

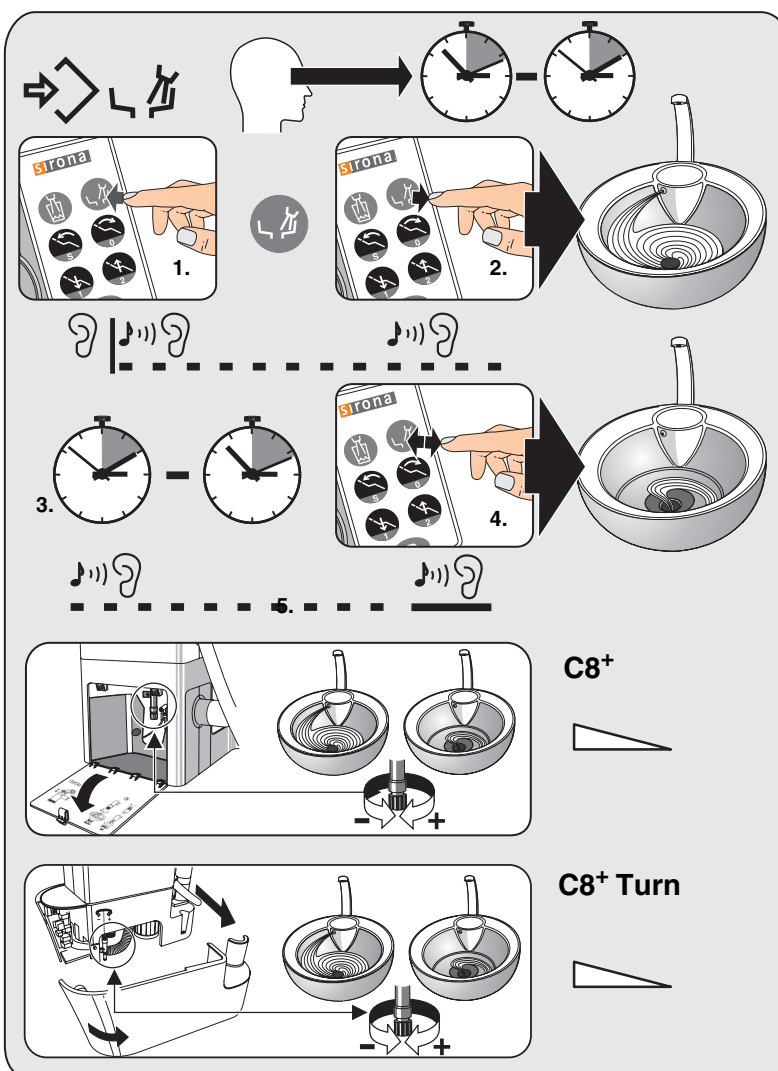


Option

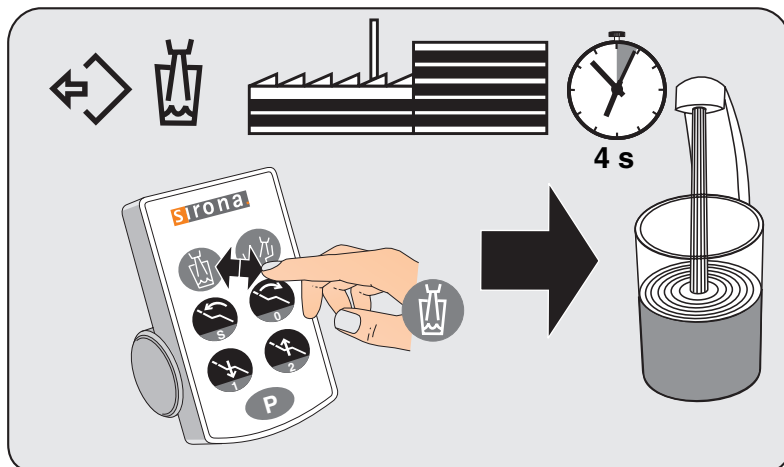
## 12.6 Control panel – assistant element – cuspidor flushing



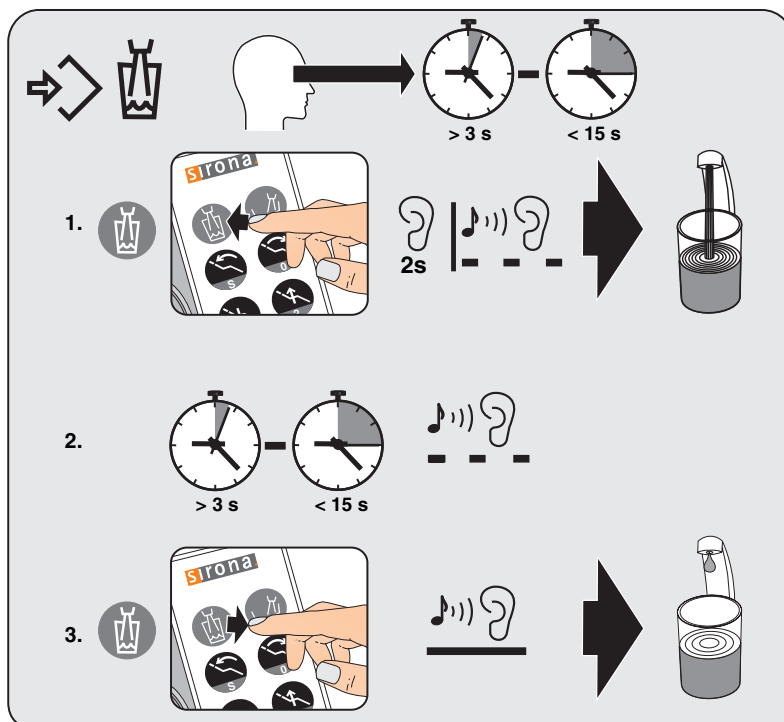
## 12.7 Control panel – assistant element – cuspidor flushing – reprogramming



## 12.8 Control panel – assistant element – tumbler filling



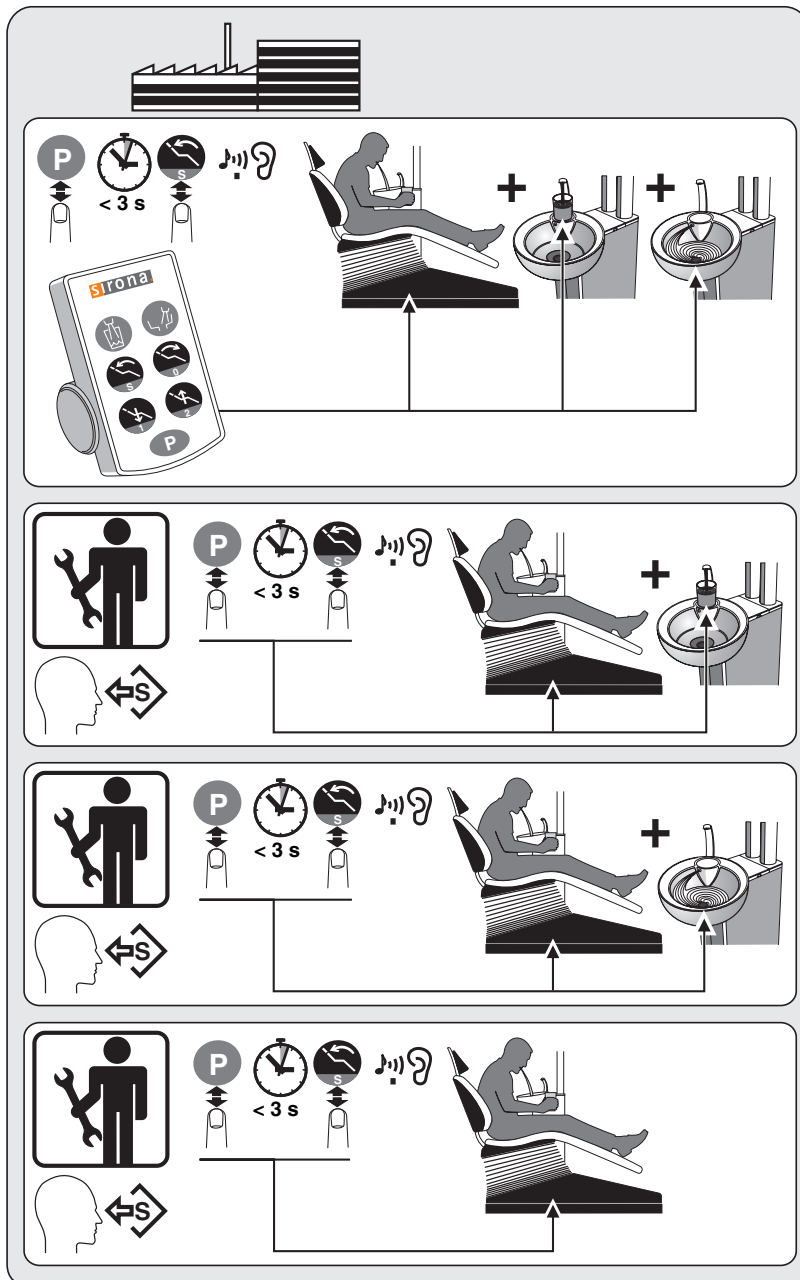
### Operation



### Reprogramming



## 12.9 Control panel – assistant element – combination of mouth rinsing position S with tumbler filling and cuspidor flushing

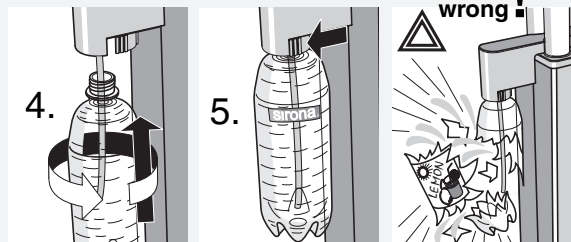
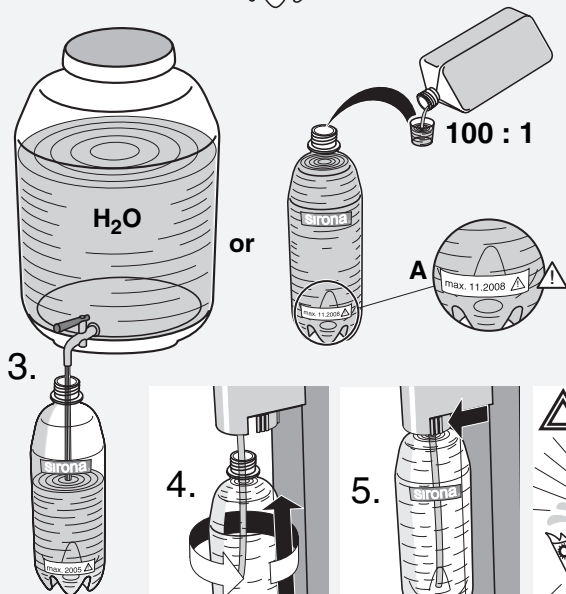
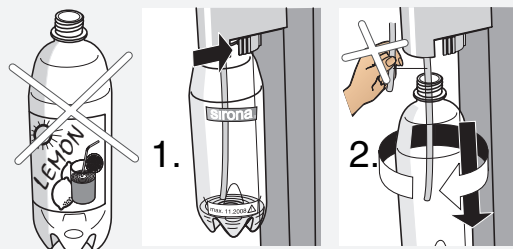
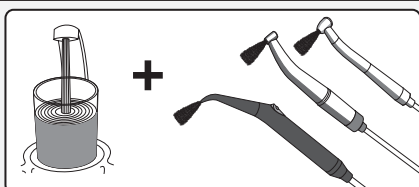
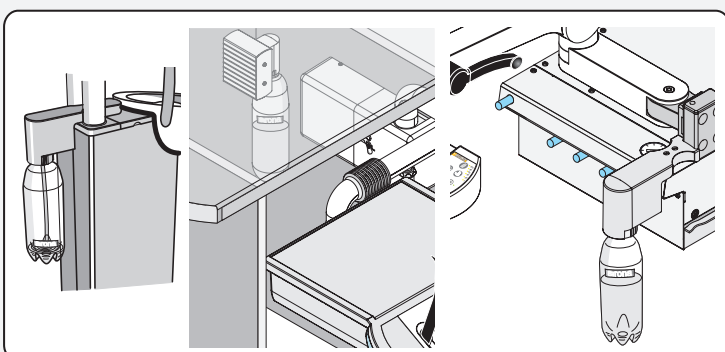


Only by a service engineer



Option

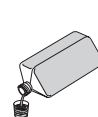
## 12.10 Fresh water bottle



### ⚠ ATTENTION



Use only Sirona fresh water bottles!



Fill with  
Sirona: Dentosept P

### ⚠ ATTENTION

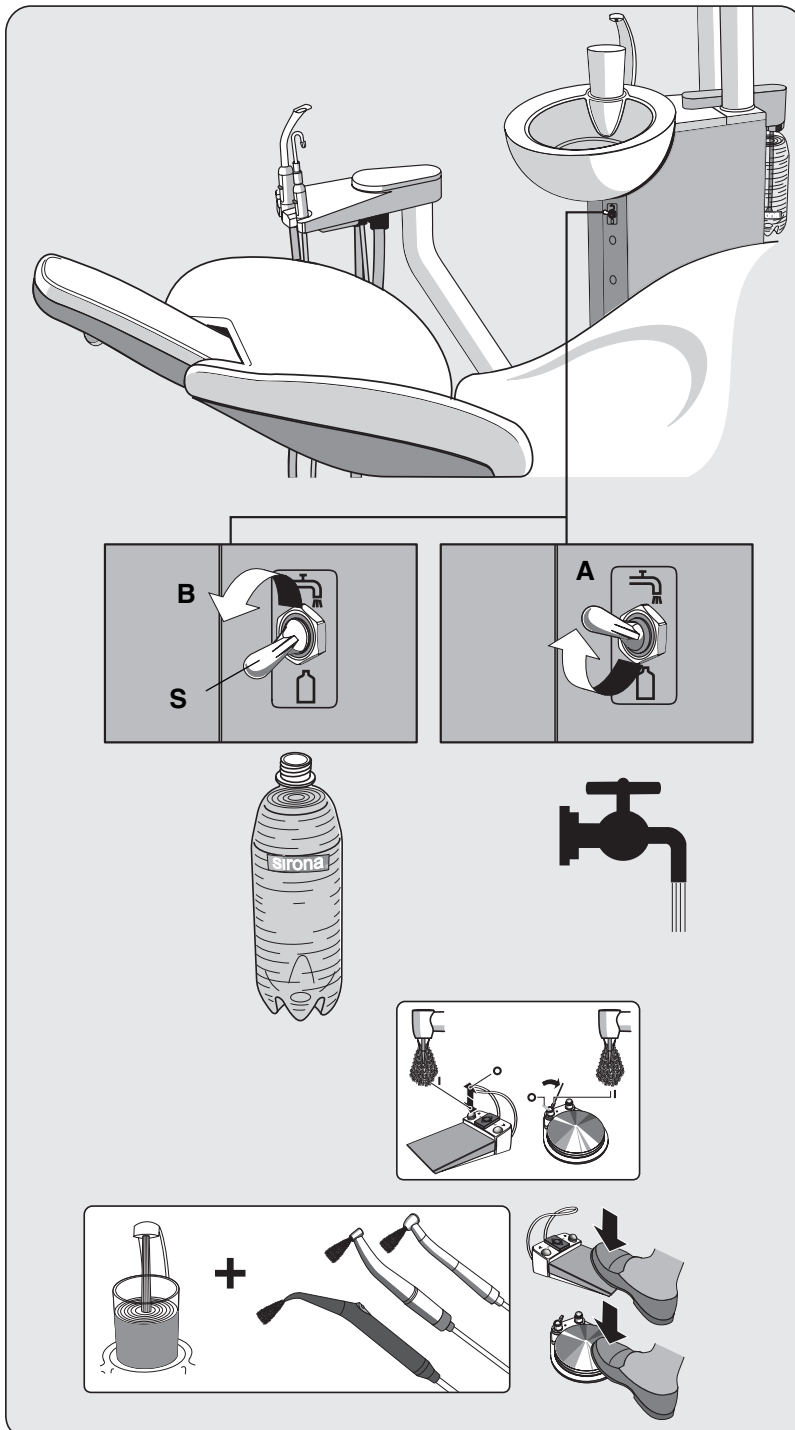
Replace deformed, scratched or discolored bottles immediately!

Operating temperature:  
+10 °C – +45 °C.

Do not continue using the bottle after its maximum period of use has expired!

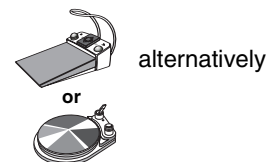
Example above: Replace bottle by November 2008 at the latest

## 12.11 Tap water/fresh water bottle selector – C8<sup>+</sup>

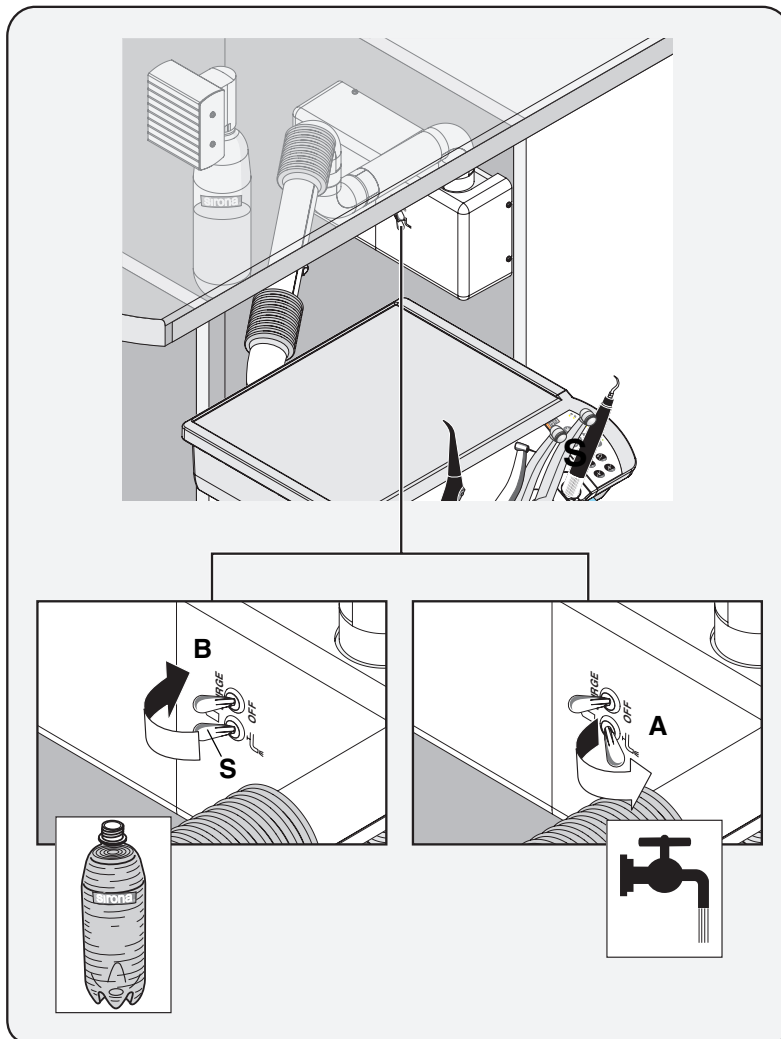


You can change over between tap water and the fresh water bottle with switch **S**.

- **A** Tap water
- **B** Fresh water bottle



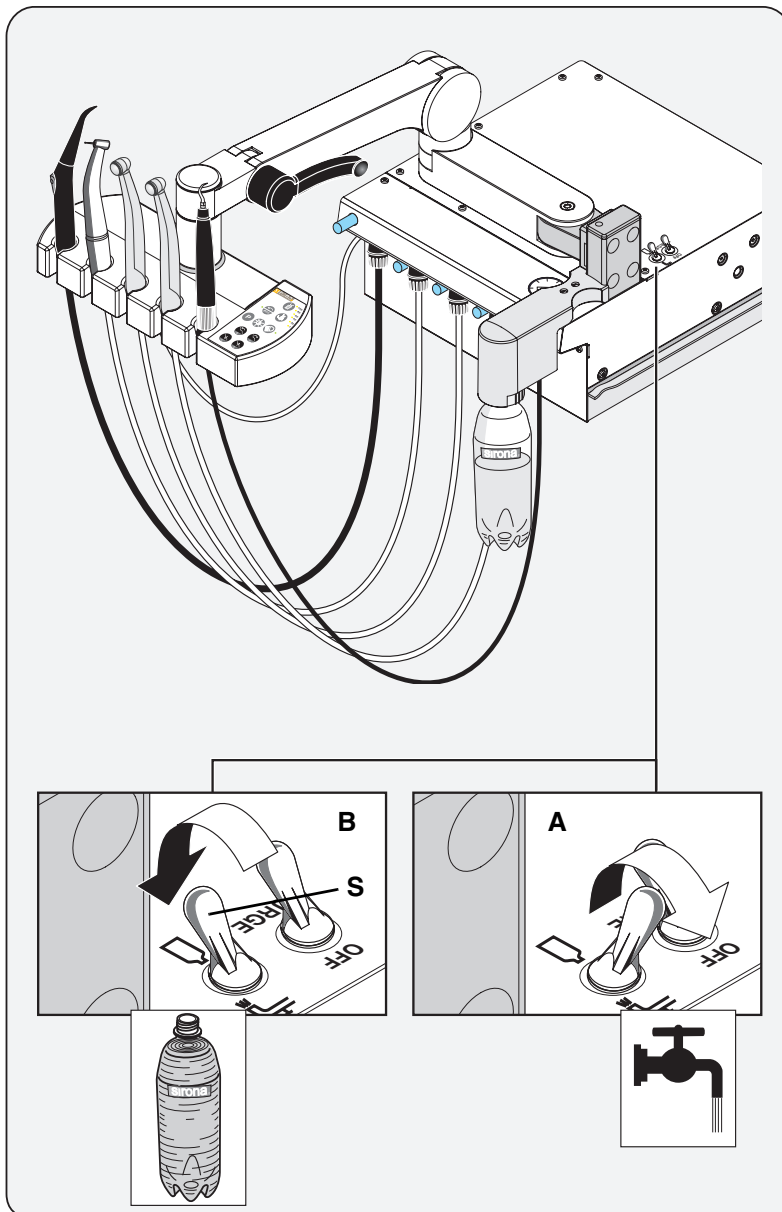
## 12.12 Changeover between tap water and fresh water bottle - C8<sup>+</sup> Side Delivery



You can change over between tap water and the fresh water bottle with switch **S**.

- **A** Tap water
- **B** fresh water bottle

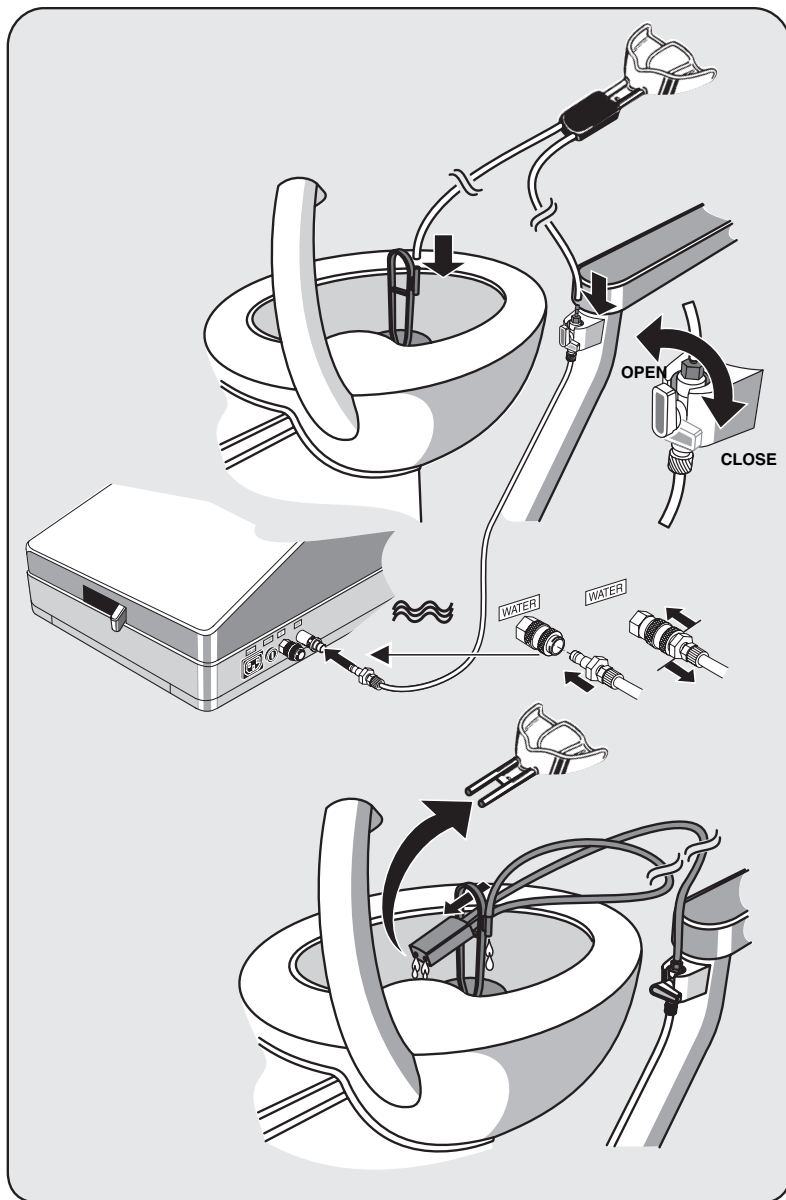
## 12.13 Changeover between tap water and fresh water bottle - C8<sup>+</sup> Rear Delivery



You can change over between tap water and the fresh water bottle with switch **S**.

- **A** Tap water
- **B** Fresh water bottle

## 12.14 Hydrocolloid connection

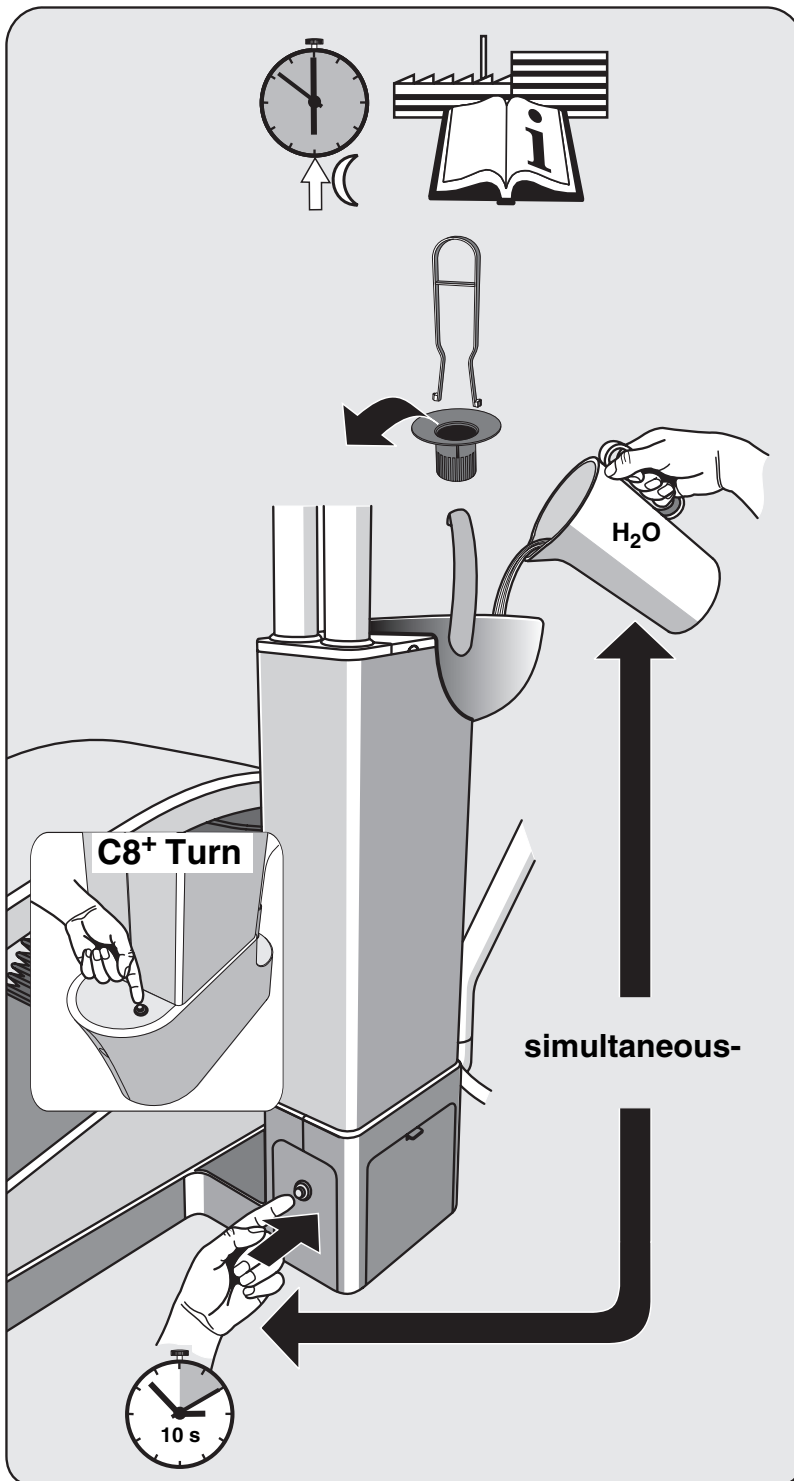


### Extra equipment

If you want to work with a hydrocolloid coolant supply, you can obtain an adapter, Order No.: 33 15 814, free of charge with the enclosed voucher.

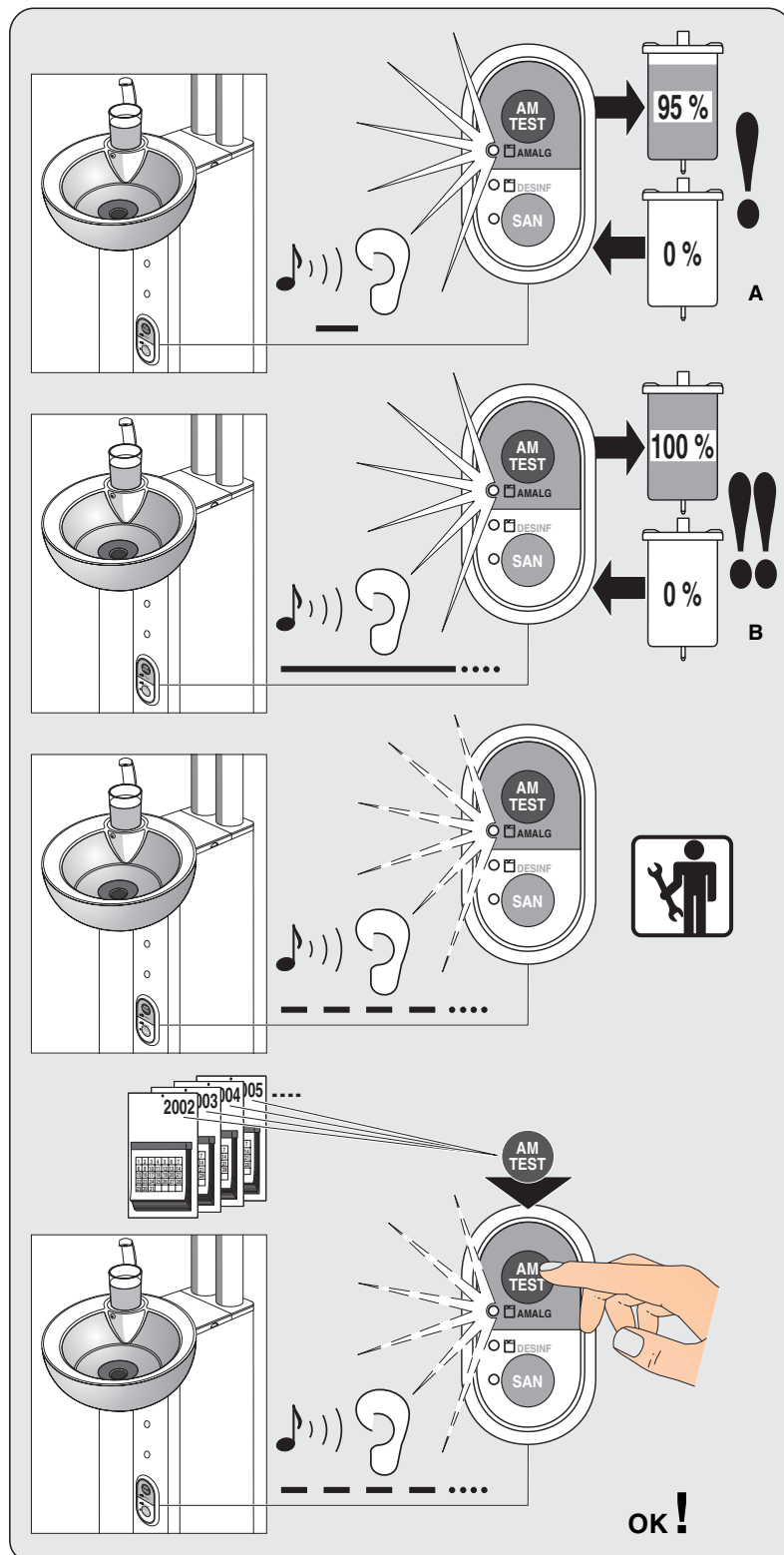
Please state your address and the serial number of the chair (see "Installation Report/Warranty Passport").

## 12.15 Dürr wet suction system



Daily after consulting hours  
1 liter

## 12.16 Amalgam separator



**A = ! Please replace  
amalgam container !**

**B = !! Replace  
amalgam container !!**



**Error**

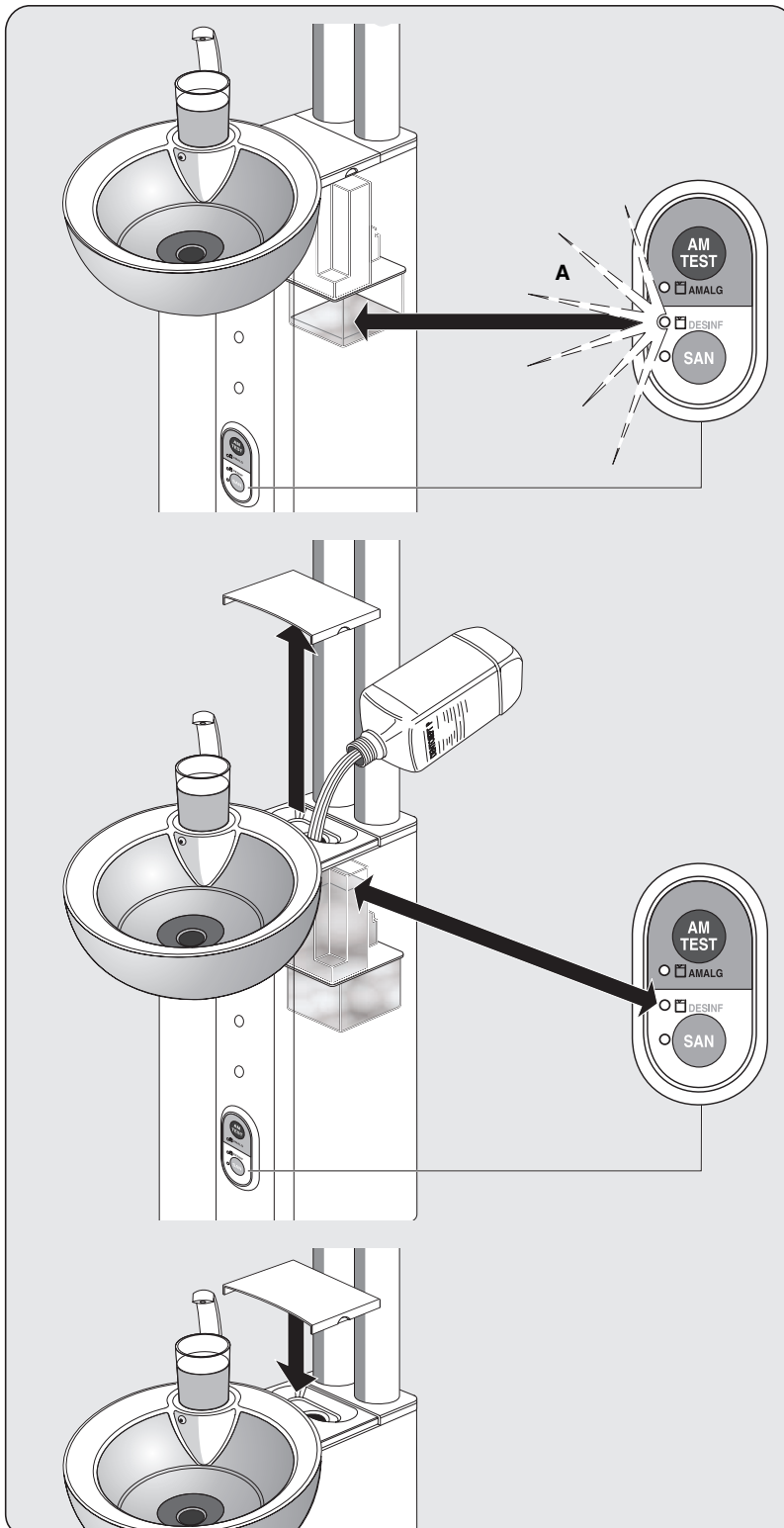


**AMALGAM test  
at least 1x annually**

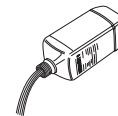
**OK!**



## 12.17 Disinfection system

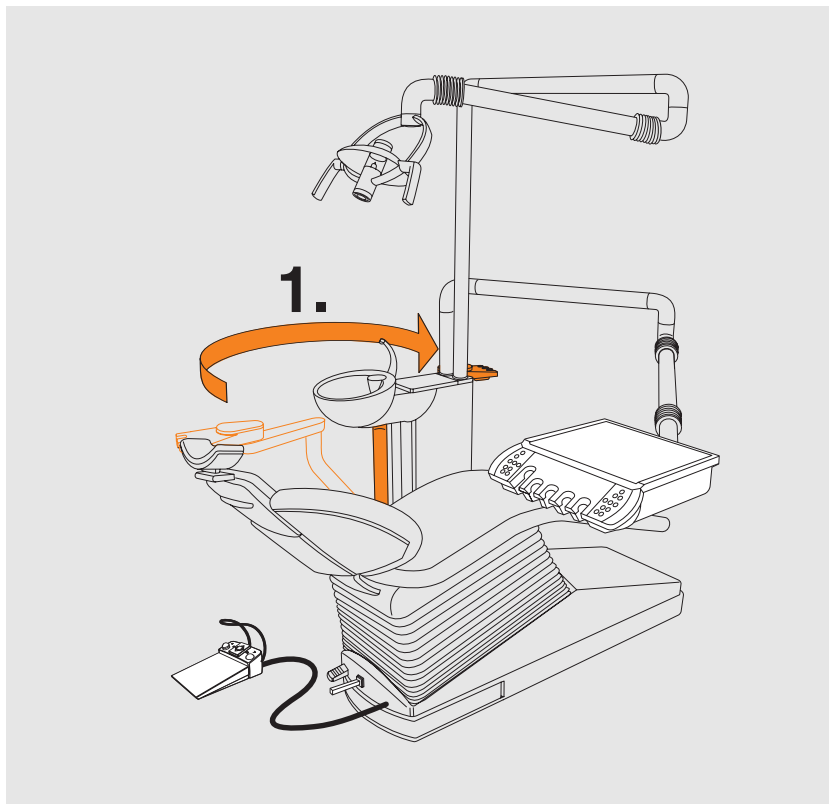


**A = ! If the DESINF indicator flashes, refill 1 liter of DENTOSEPT P!**



**Refill with**  
Sirona: Dentosept P

## 12.18 Conversion of water unit right-handed ⇔ left-handed version



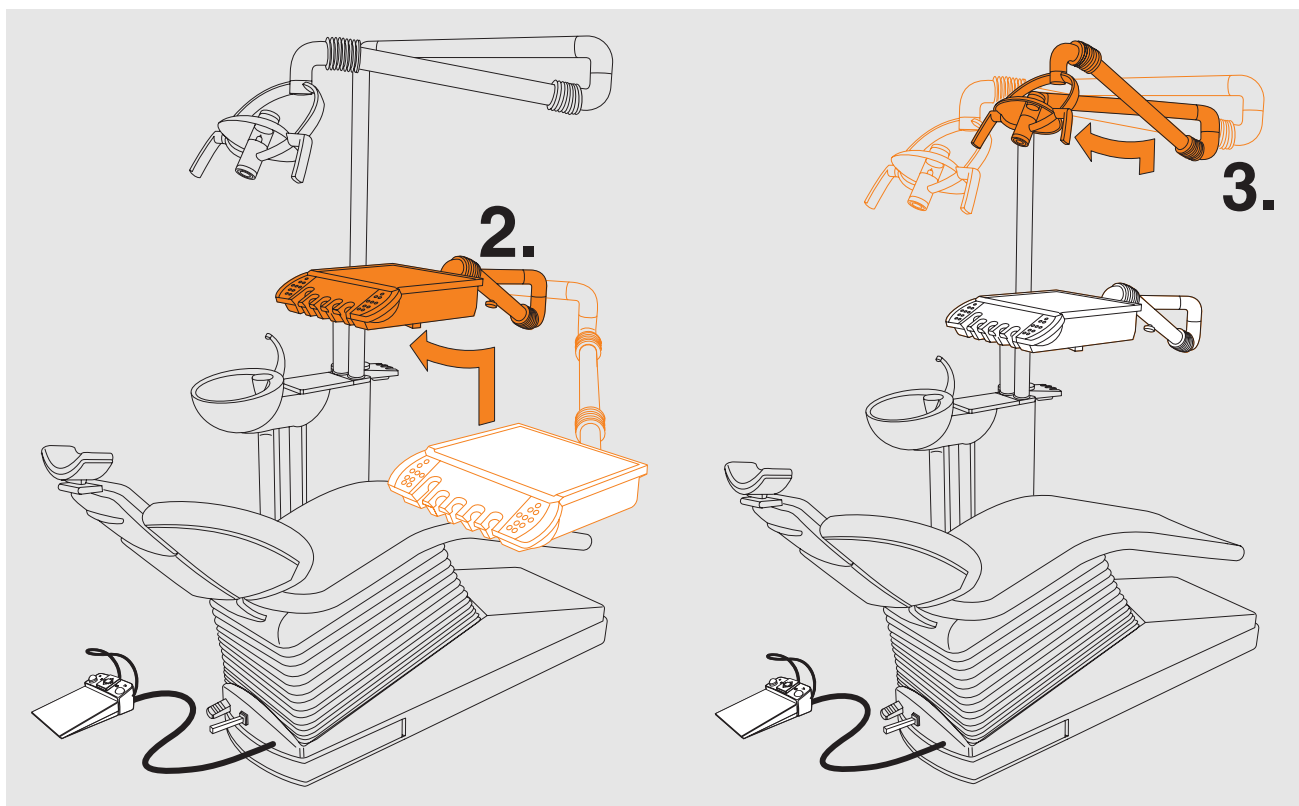
**Conversion only possible on a C8<sup>+</sup> Turn**

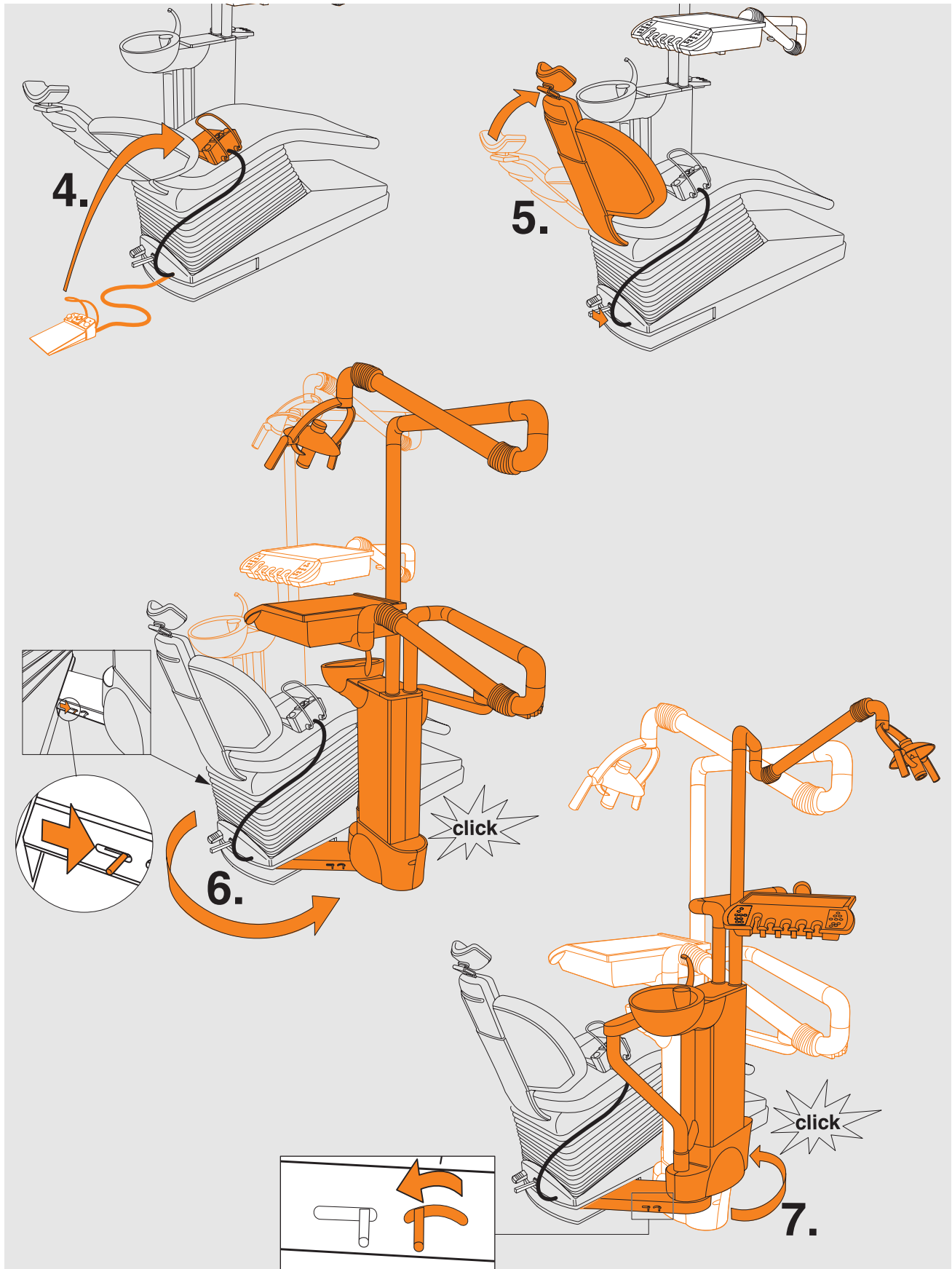
### **⚠ ATTENTION**

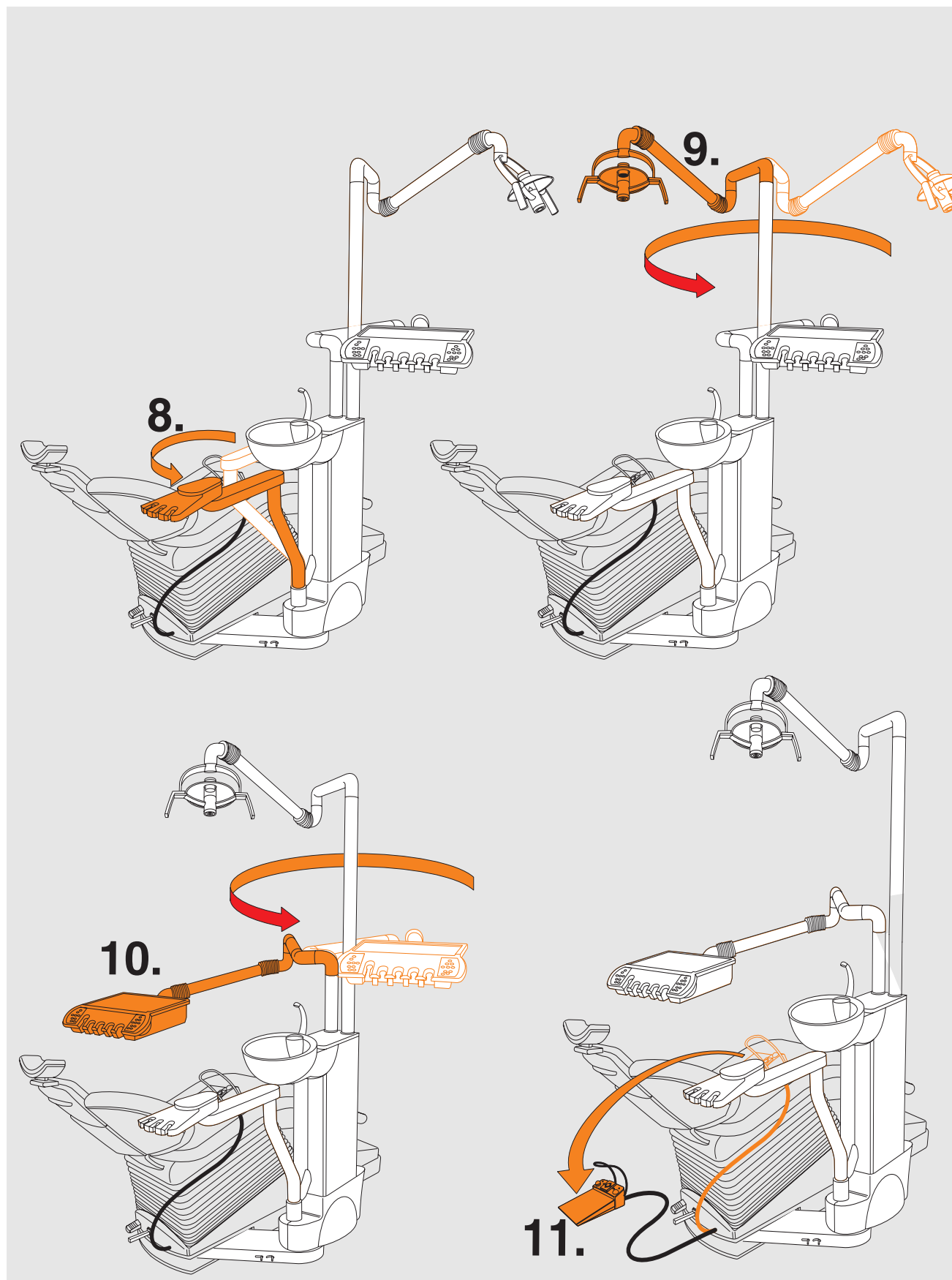
**Danger of falling objects!** Prior to conversion, remove all objects loosely deposited on any components of the treatment center.

### **i NOTE**

Please observe the minimum clearances specified in the document "Dimension Drawing, Technical Data".

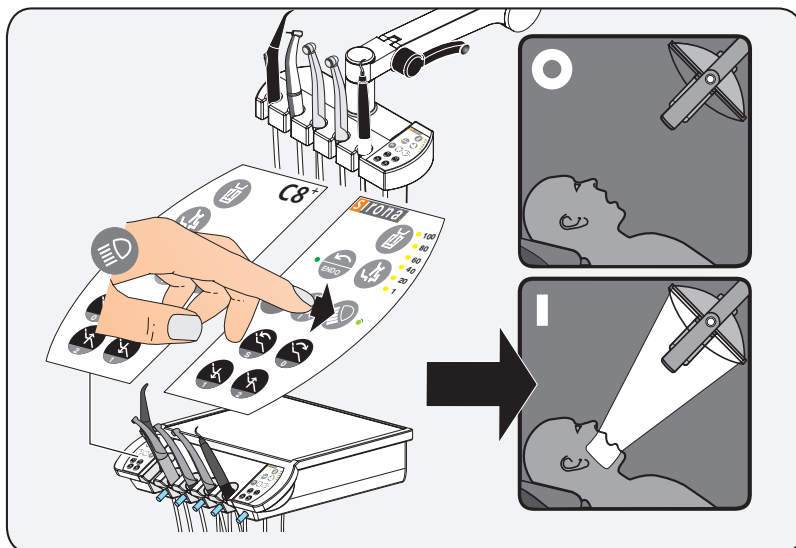




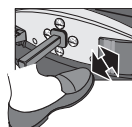


# 13 SIROLUX E operation light – optional

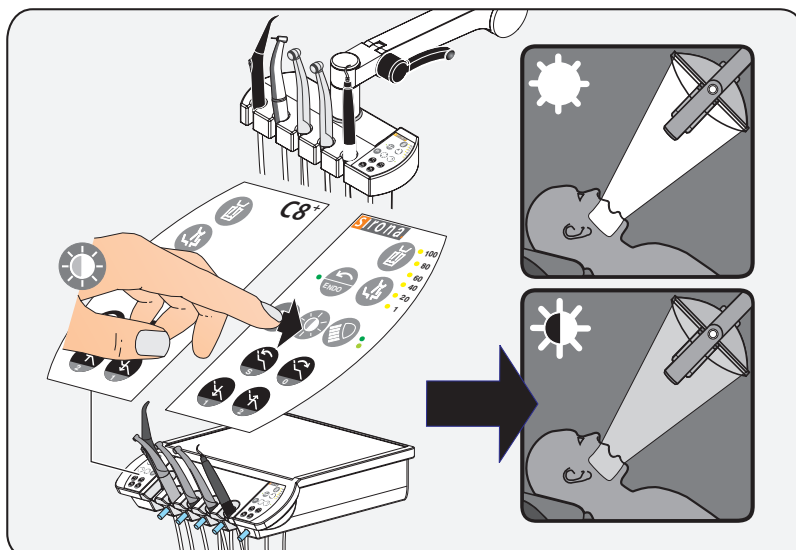
## 13.1 ON/OFF – brightness reduction



Option



alternatively



### Composite setting

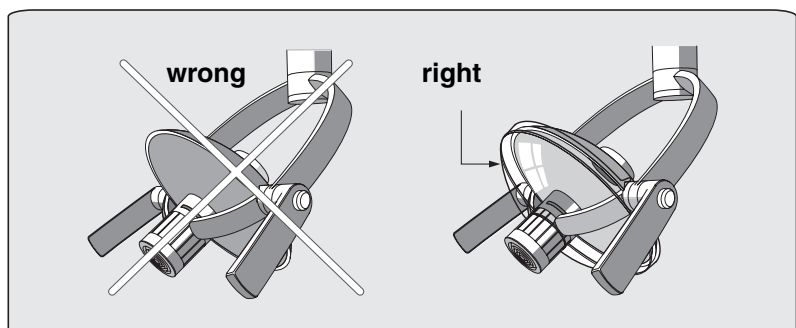
Light intensity: 22000 lux

Light intensity: 8000 lux



### NOTE

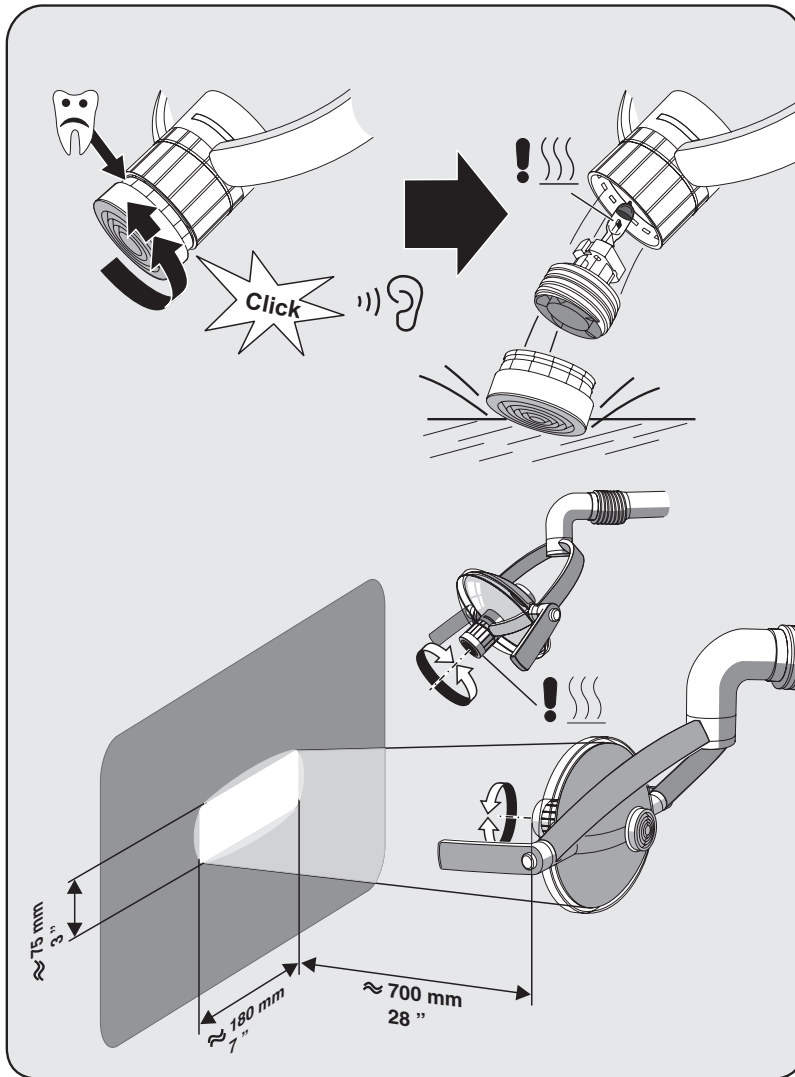
Use this setting to prevent premature curing of composite fillings.



### ATTENTION

Do not use without transparent cover!

## 13.2 Focusing

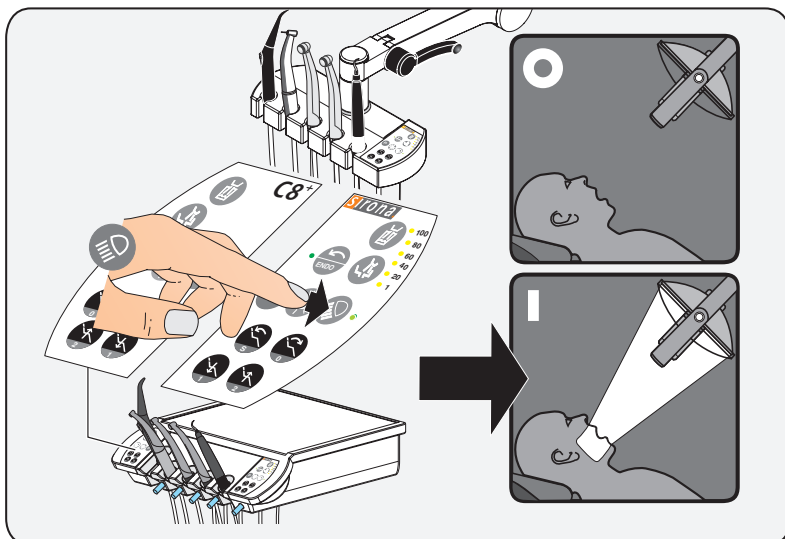


### **⚠ ATTENTION**

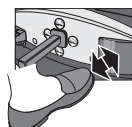
When focusing, make sure you turn the cover cap only slightly and just up to its stop. If the cover cap is turned counter-clockwise past the stop, it will spring out of its catch and the halogen lamp can fall down.

# 14 SIROLUX FANTASTIC operation light – optional

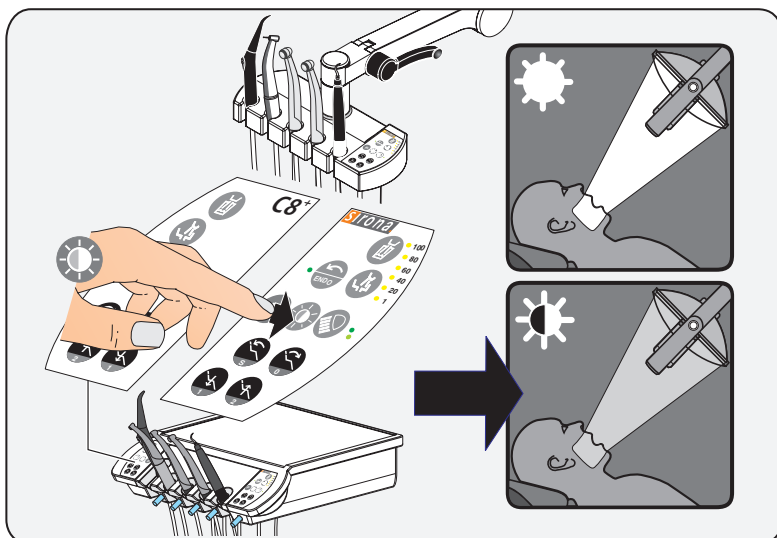
## 14.1 ON/OFF – brightness reduction



Option



alternatively



### Composite setting

Light intensity: 24000 lux

Light intensity: 8000 lux

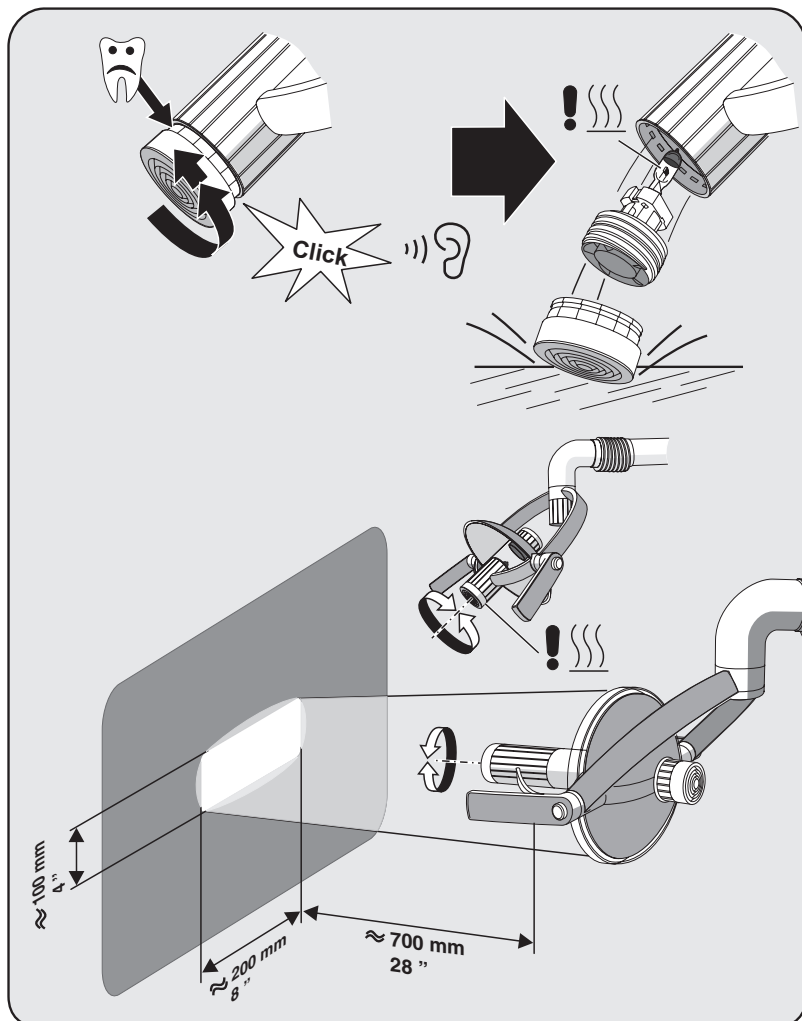


### NOTE

Use this setting to prevent premature curing of composite fillings.



## 14.2 Focusing



### **⚠ ATTENTION**

When focusing, make sure you turn the cover cap only slightly and just up to its stop. If the cover cap is turned counter-clockwise past the stop, it will spring out of its catch and the halogen lamp can fall down.



# 15 Care and cleaning by the practice team

## 15.1 Care and cleaning agents



### **ATTENTION**

*Use only cleaning and care agents which are approved by Sirona!*

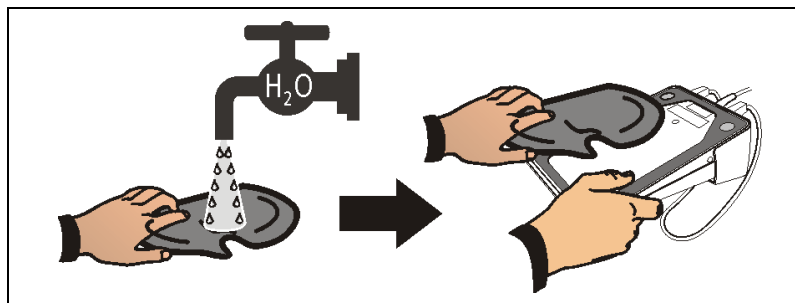
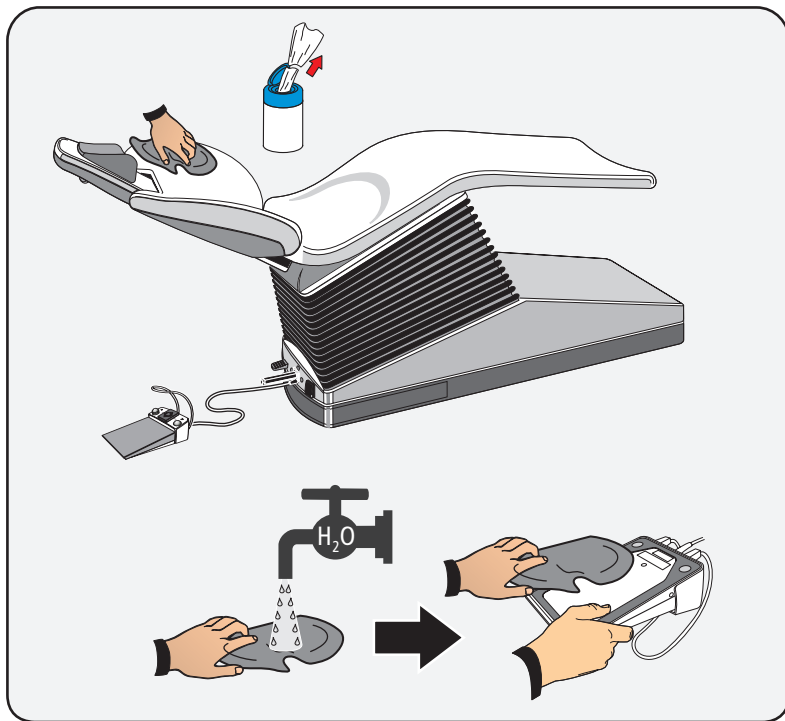
You will find a list of all agents approved at the time of delivery in the documentation folder supplied with your treatment center.

A continuously updated list of approved agents can be downloaded from the Sirona Internet homepage under **REF 59 70 905**: ⇒ **www.sirona.com**

If you do not have Internet access, you can use one of the following two ways to order the list:

- Order from your local dental depot
- Order from Sirona  
Tel: ++49 (0) 62 51/16-16 16  
FAX: ++49 (0) 62 51 / 16-18 18

## 15.2 Patient chair



### Upholstery/foot switch/chair



**Care and cleaning of the upholstery:** Care and cleaning of the synthetic leather upholstery must be performed weekly. The cleaning agent, fluid or cloths also perform care simultaneously.

#### **! ATTENTION**

Use only cleaning agents which are approved by Sirona (see page 85, section 15.1)!



### Disinfecting the upholstery

#### **! ATTENTION**

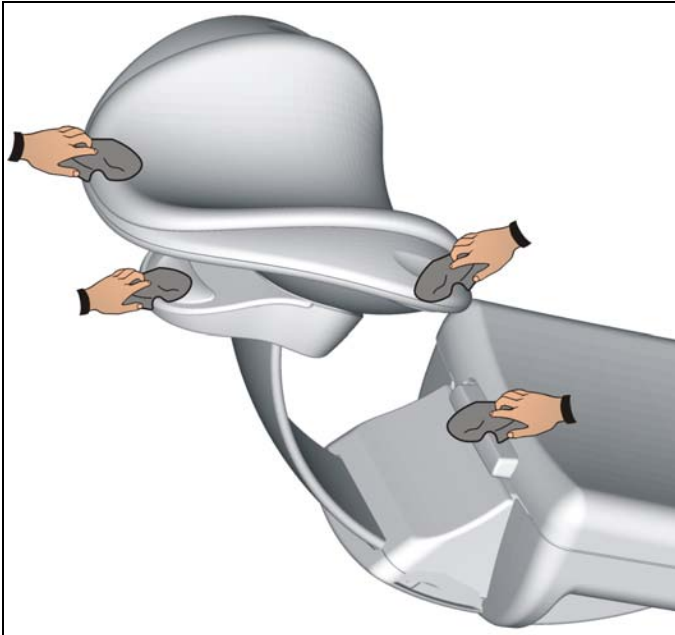
Use only disinfectants which are approved by Sirona (see page 85, section 15.1)!



Do not use any other disinfectants!

### Pedal (foot switch)

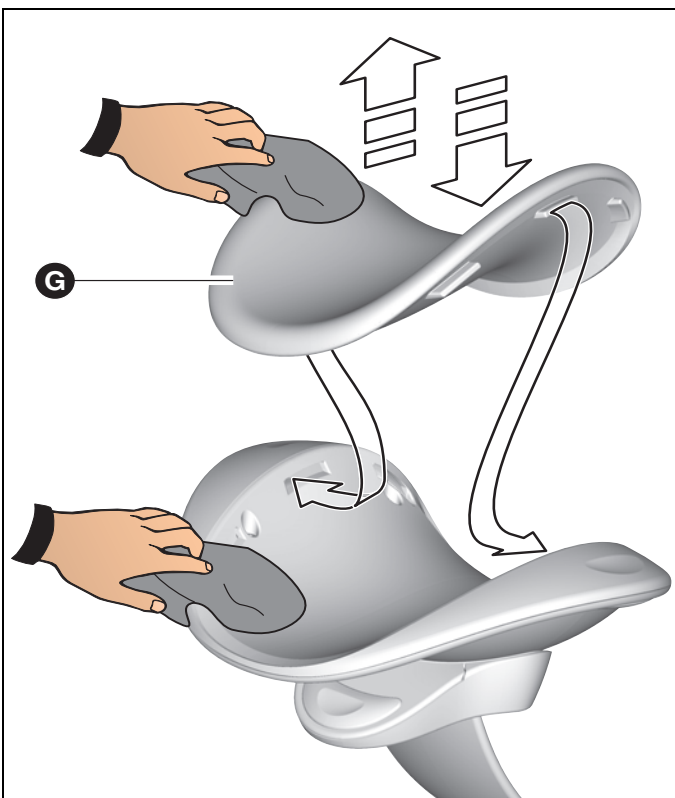
Clean the bottom of the base plate using a damp cloth.



### MultiMotion disinfecting the surfaces



The surfaces can be spray and wipe disinfected with surface disinfectants.



### Intensive cleaning and disinfection of the head support

The contact surface of the headrest can be removed to facilitate intensive cleaning and disinfecting **if necessary**.



The surfaces can be spray and wipe disinfected with surface disinfectants.

- Press one side of head pad **G** inward from the outside (to unlock it) and remove it in a upward direction.

### **i** NOTE

*Fast and frequent removal of the head pad from the front or rear can damage the snap-in noses.*

- Clean and disinfect the head pad and headrest.
- Hook on the head pad again laterally.

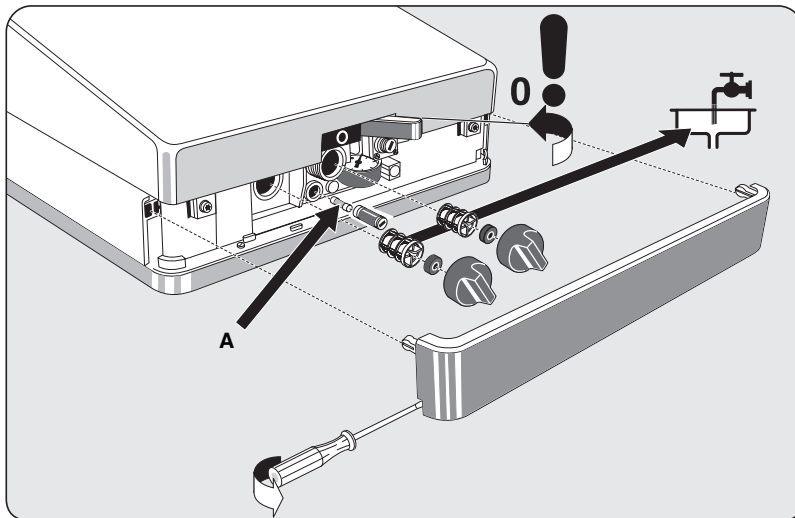
### **!** ATTENTION

*Damaged pads, e.g. with scratched surfaces, must be replaced.*

For reorders:

Contact surface:

REF 61 82 047



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### Cleaning the filter, replacing the main fuse

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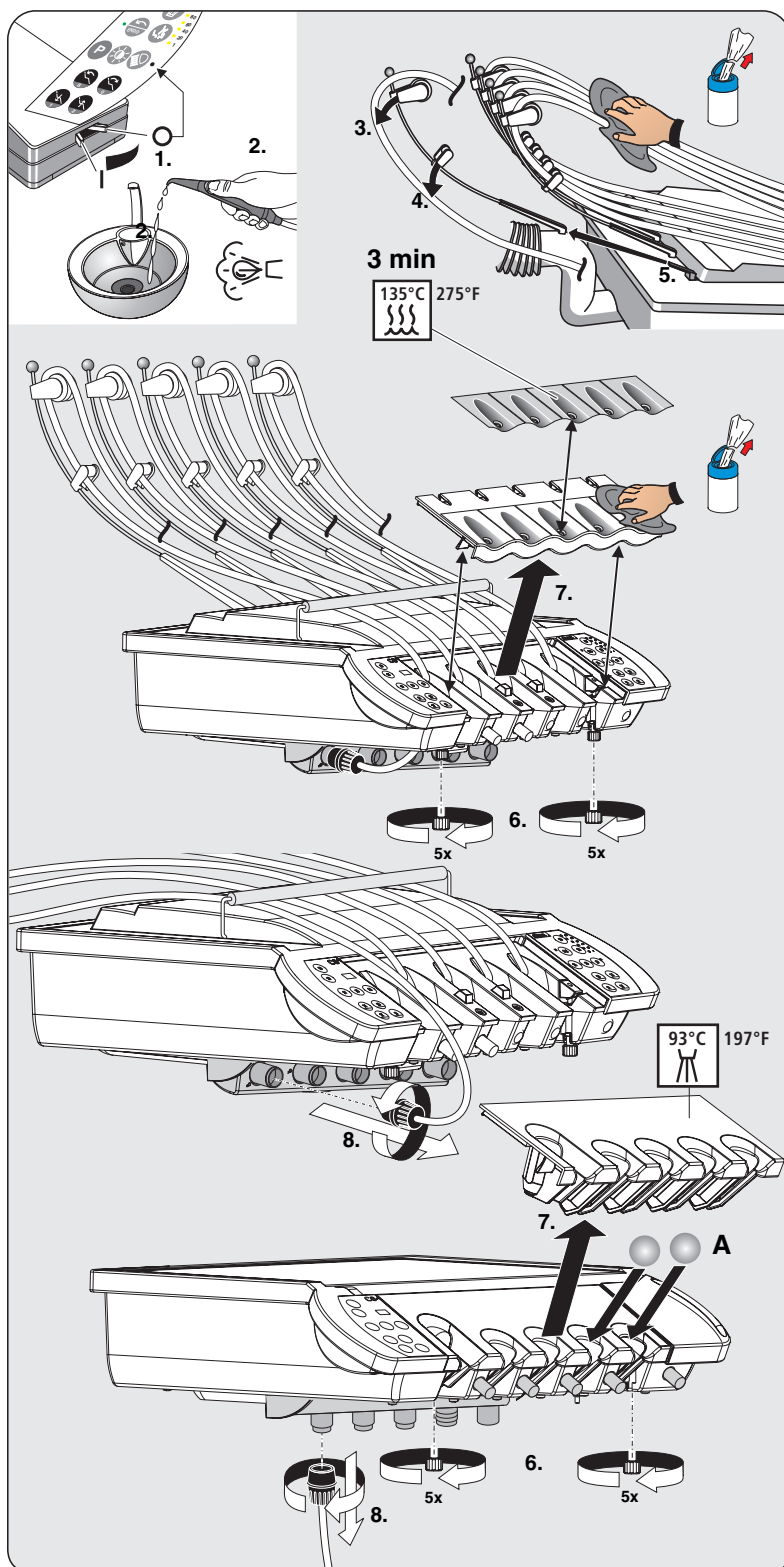
#### **ATTENTION**

*Be sure to switch the treatment center  
OFF before replacing the fuses!*

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A = T 10A H

## 15.3 Dentist element



### Instrument hoses/instrument rack

#### ⚠ ATTENTION

Use only cleaning agents which are approved by Sirona (see page 85, section 15.1)!

#### ⚠ ATTENTION

SPRAYVIT – relieve pressure!

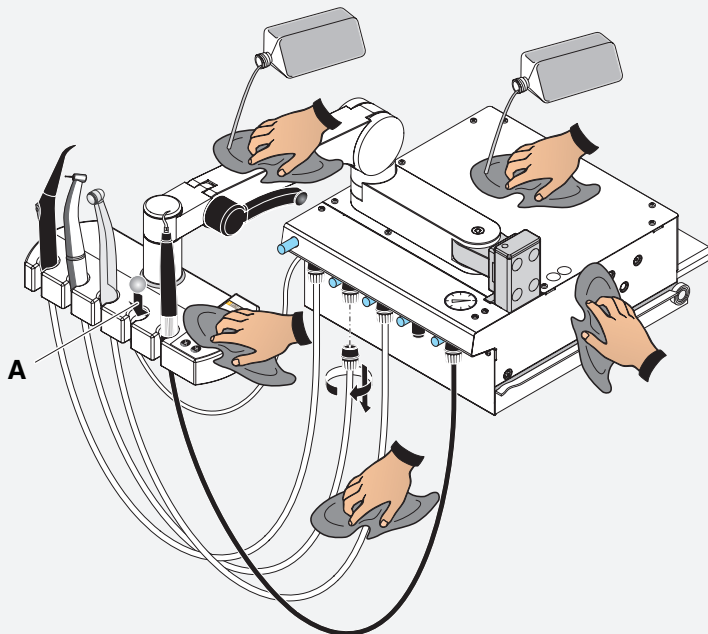
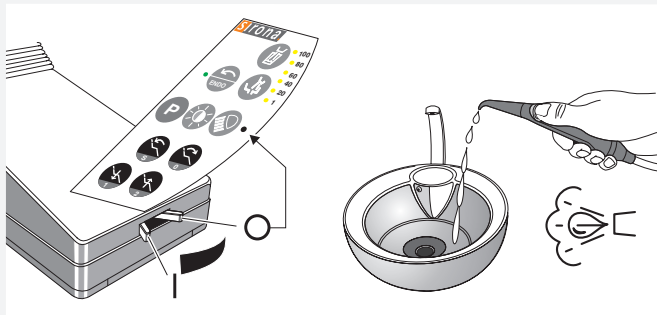
#### i NOTE

For care and cleaning of the motors, the straight and contra-angle handpieces, the highspeed handpiece and the SIROSONIC L scaler, please refer to the corresponding operating instructions.



### Wipe disinfection

**A** = Unused holders should be sealed with a ball!



### Instrument hoses / Instrument holder - C8<sup>+</sup> Rear Delivery

#### **! ATTENTION**

Use only cleaning agents which are approved by Sirona (see page 85, section 15.1)!

#### **! ATTENTION**

**SPRAYVIT**  
– relieve pressure!

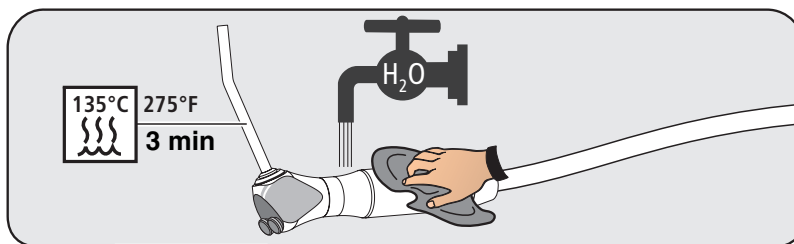
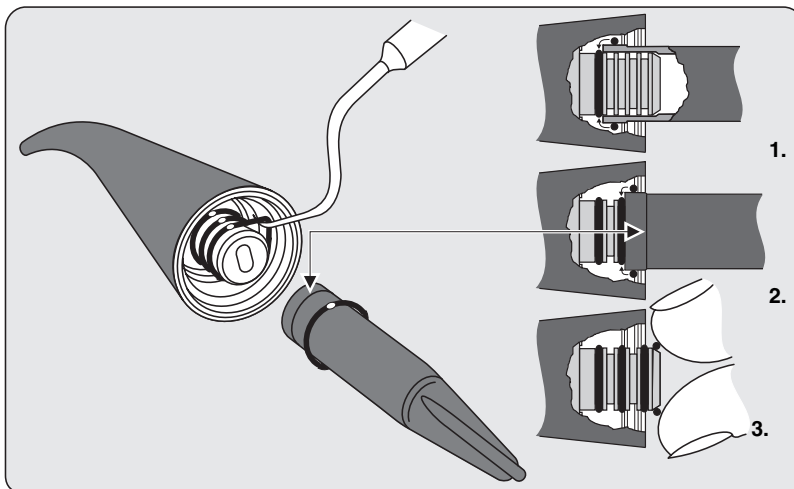
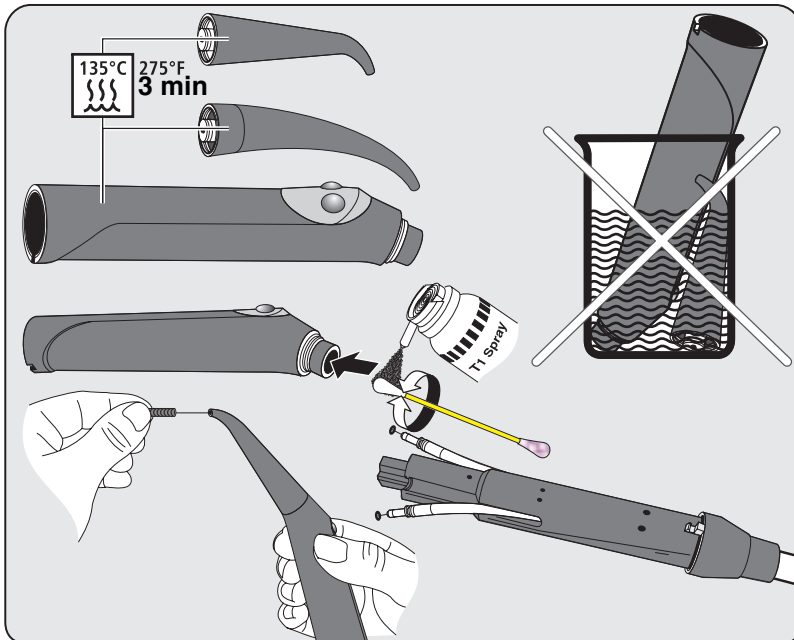
#### **i NOTE**

For care and cleaning of the motors, the straight and contra-angle handpieces, the highspeed handpiece and the SIROSONIC L scaler, please refer to the corresponding operating instructions.



Wipe disinfection according to section 15.1.

A = Unused holders should be sealed with a ball!

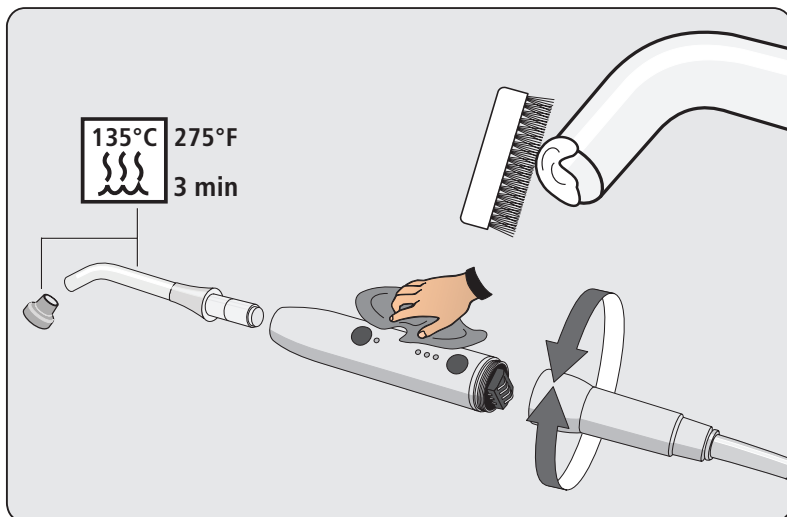


## SPRAYVIT 3-way syringe

## 3-way syringe



Spray disinfection/wipe  
disinfection



### Satelec Mini L.E.D.



#### ATTENTION

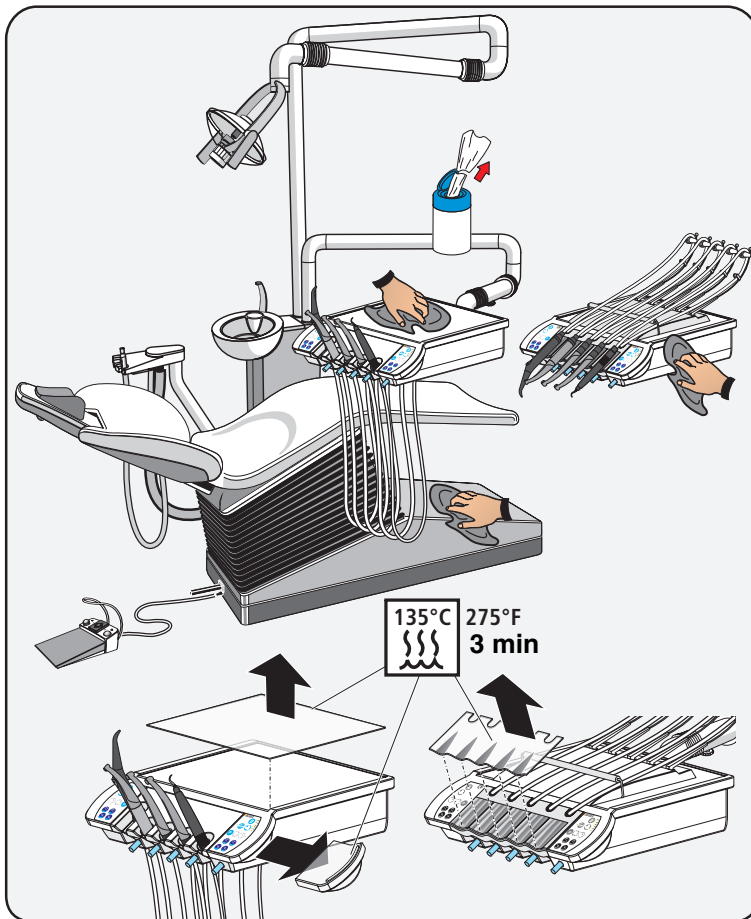


*Use only cleaning agents which are approved by Sirona (see page 85, section 15.1)!*

Always make sure that the Mini L.E.D. light is switched off before using disinfectants. Do not use any abrasive cleaners.

Prior to each use, check the light guides to make sure that no composite residues have adhered to them. If this is the case, remove these residues immediately and check to make sure that the surface of the insert has not been damaged. If you find any damage, replace the damaged light guide.





## Surfaces

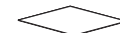
### ! ATTENTION



Use only cleaning agents which are approved by Sirona (see page 85, section 15.1)!



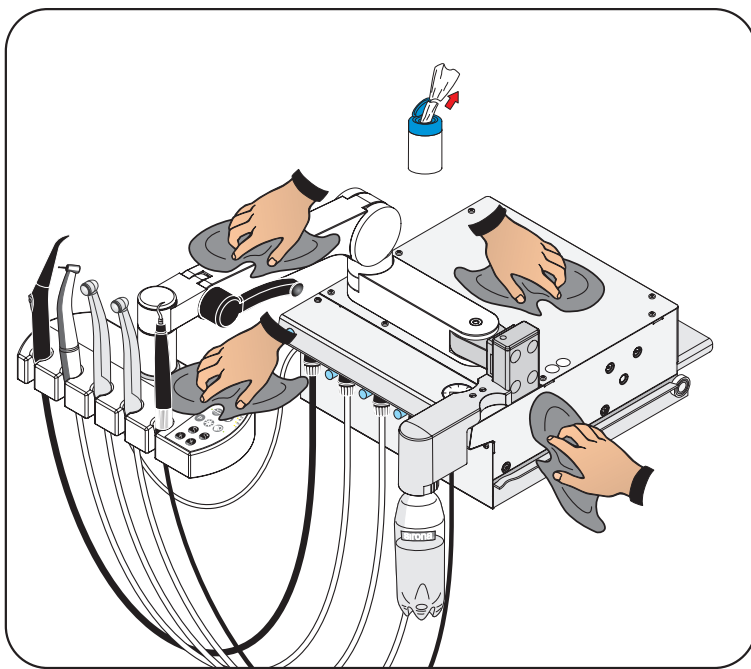
Wipe disinfection



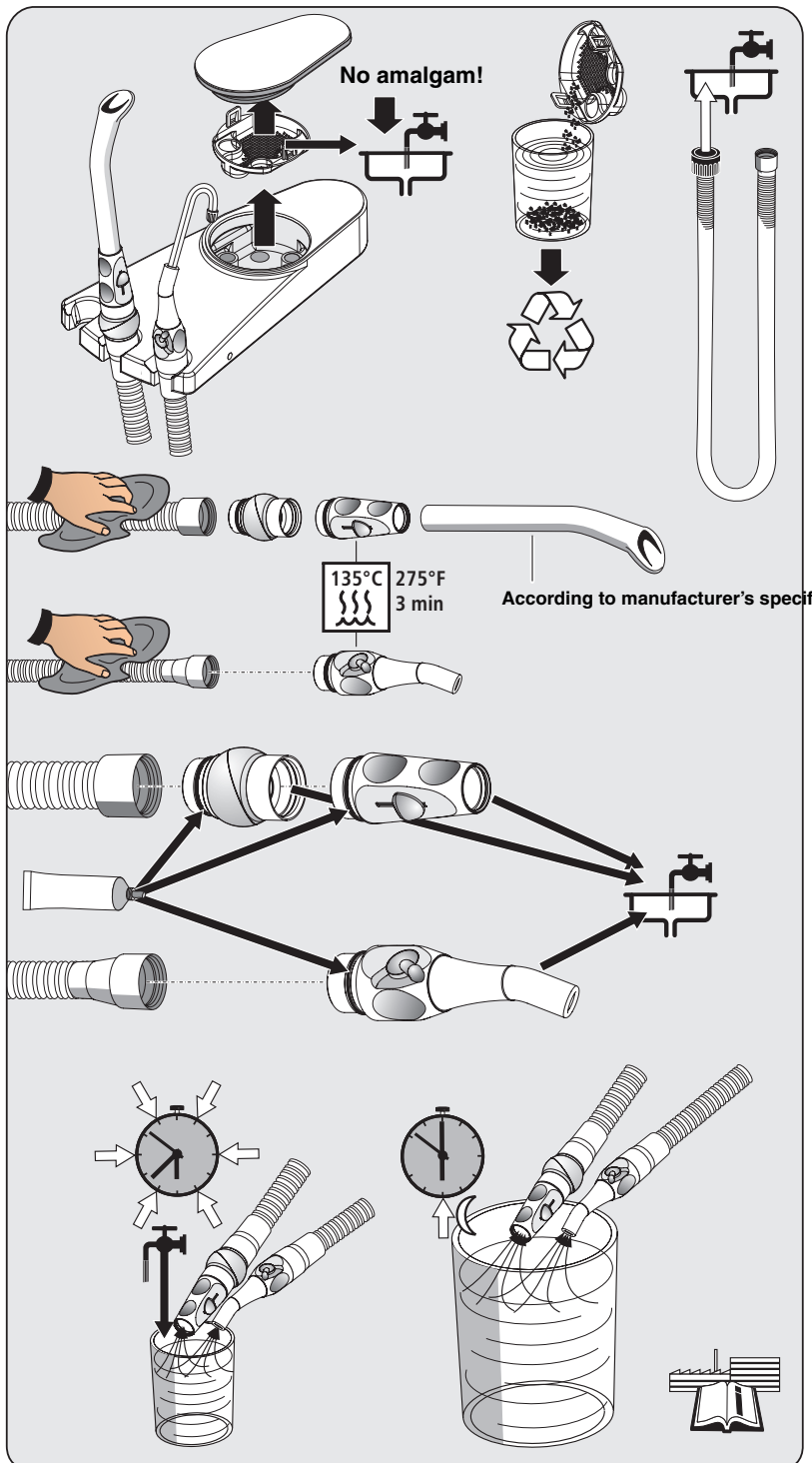
Option



Option



## 15.4 Assistant element



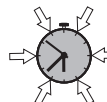
### Suction handpiece/saliva ejector



Amalgam recycling



Wipe disinfection



Every 2 hours:  
2 glasses



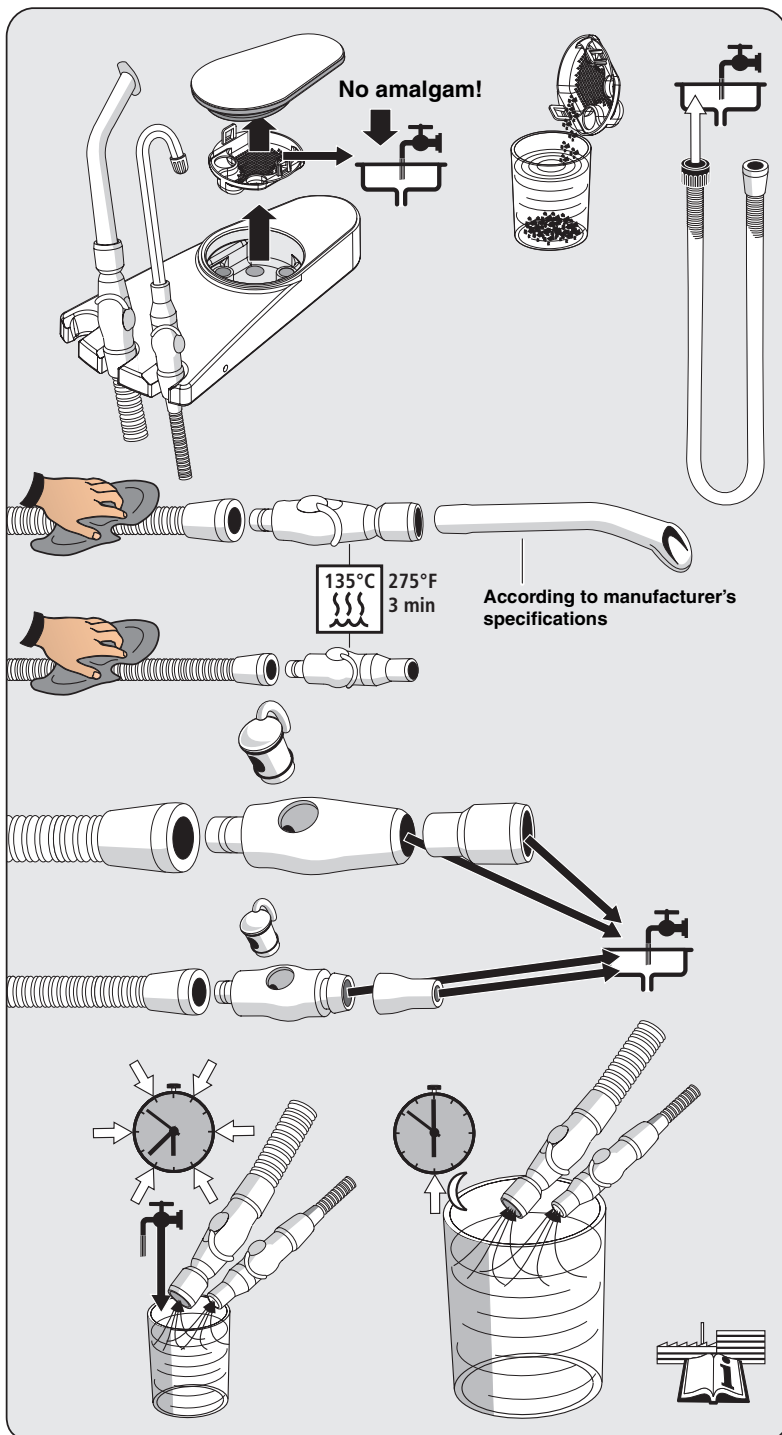
Daily  
after work:  
1 Liter  
(0.25 Gallons)



### ATTENTION



Use only cleaning agents which  
are approved by Sirona (see  
page 85, section 15.1)!



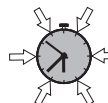
### Assistant element – suction hand-piece/saliva ejector (USA)



Amalgam recycling



Wipe disinfection



Every 2 hours:  
2 glasses



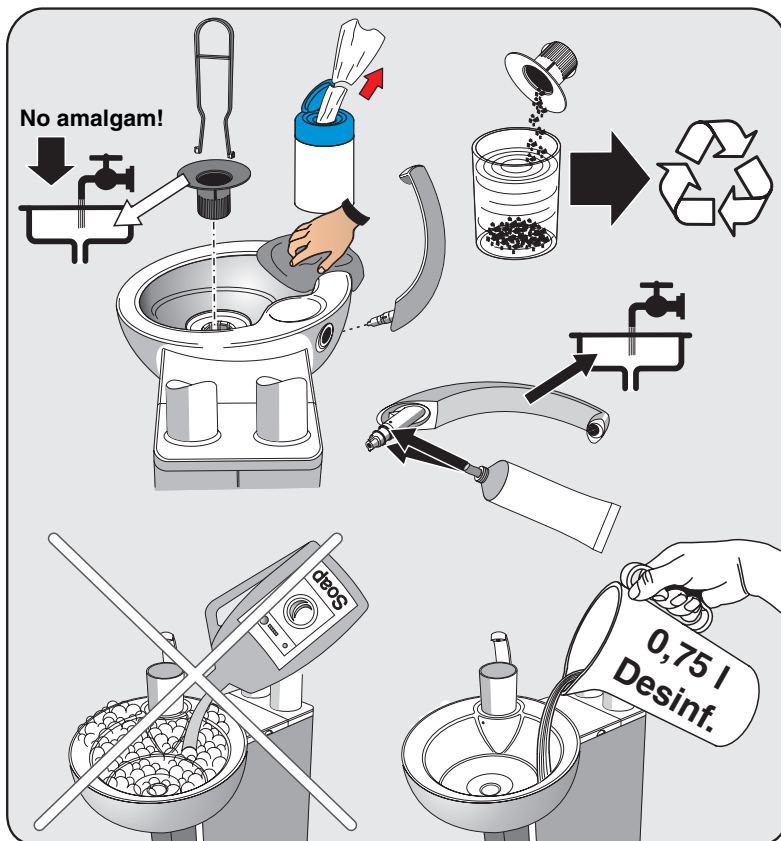
Daily after work:  
1 Liter (0.25 Gallons)

### **ATTENTION**



Use only cleaning agents which are approved by Sirona (see page 85, section 15.1)!

## 15.5 Water unit



### Water unit

#### ! ATTENTION

Use only cleaning agents which are approved by Sirona (see page 85, section 15.1)!



Amalgam recycling



Spray disinfection/wipe disinfection

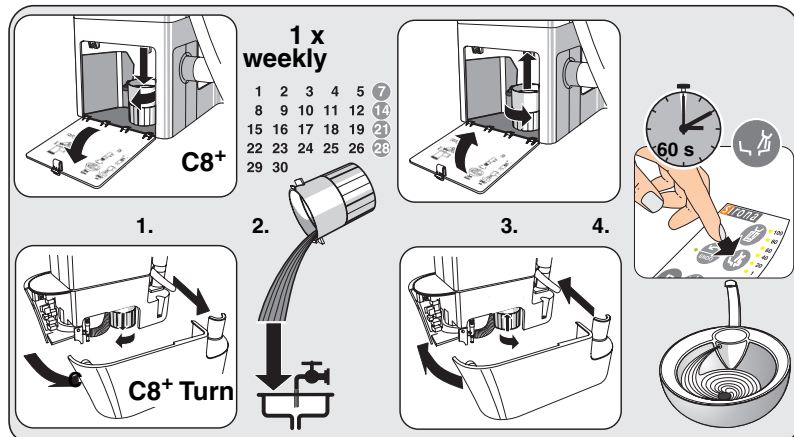
#### ! ATTENTION

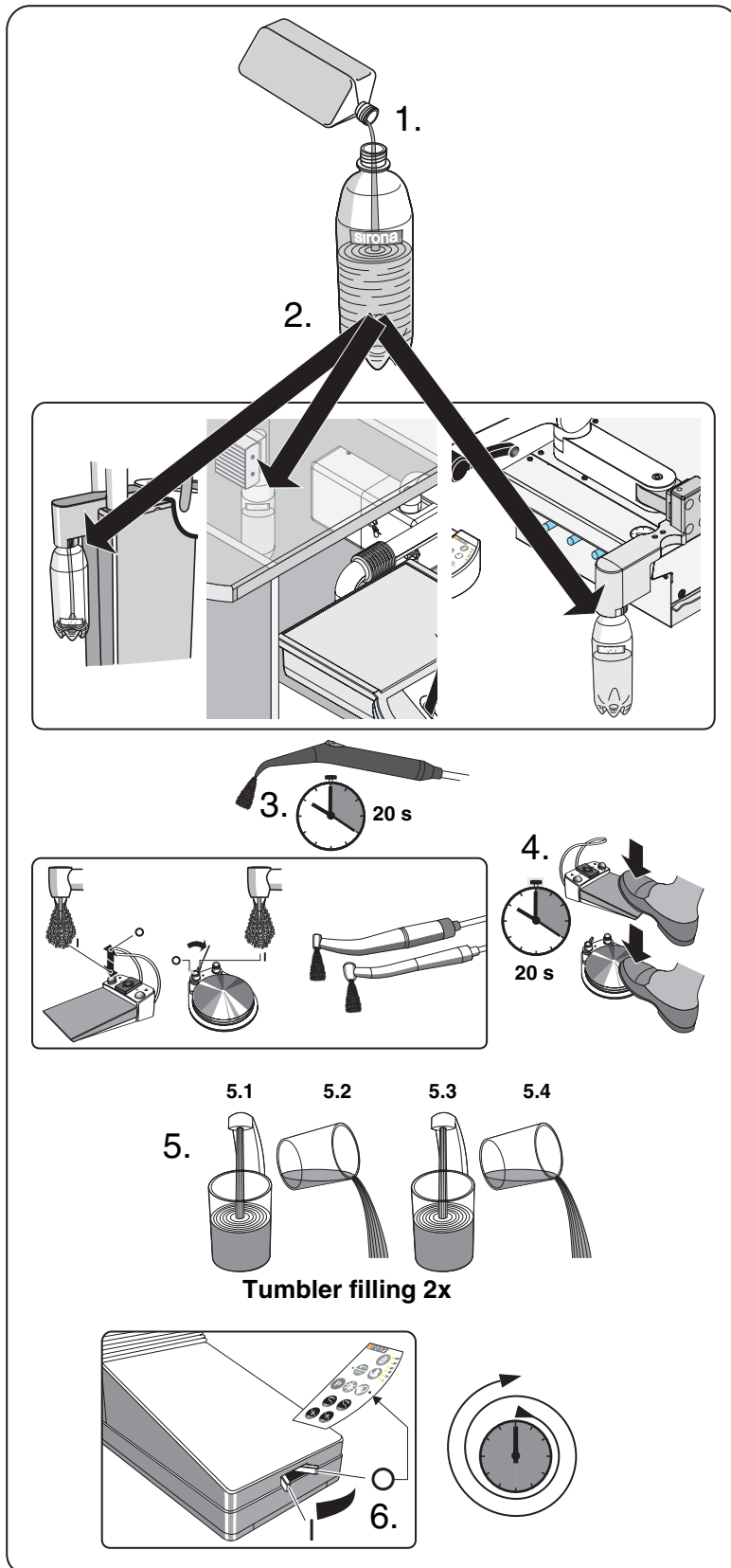
Do NOT use household detergents or acidic agents!

**Daily before the lunch break and after consulting hours**

The vacuum system is subjected daily to septic secretions, saliva and blood. For hygienic reasons the system must therefore be disinfected with a detergent/disinfectant approved by Sirona.

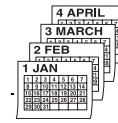
### Air jet pump





## Fresh water bottle

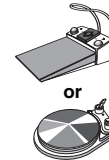
### **i** NOTE



Perform sanitation very  
4 weeks!

## Sanitation (1)

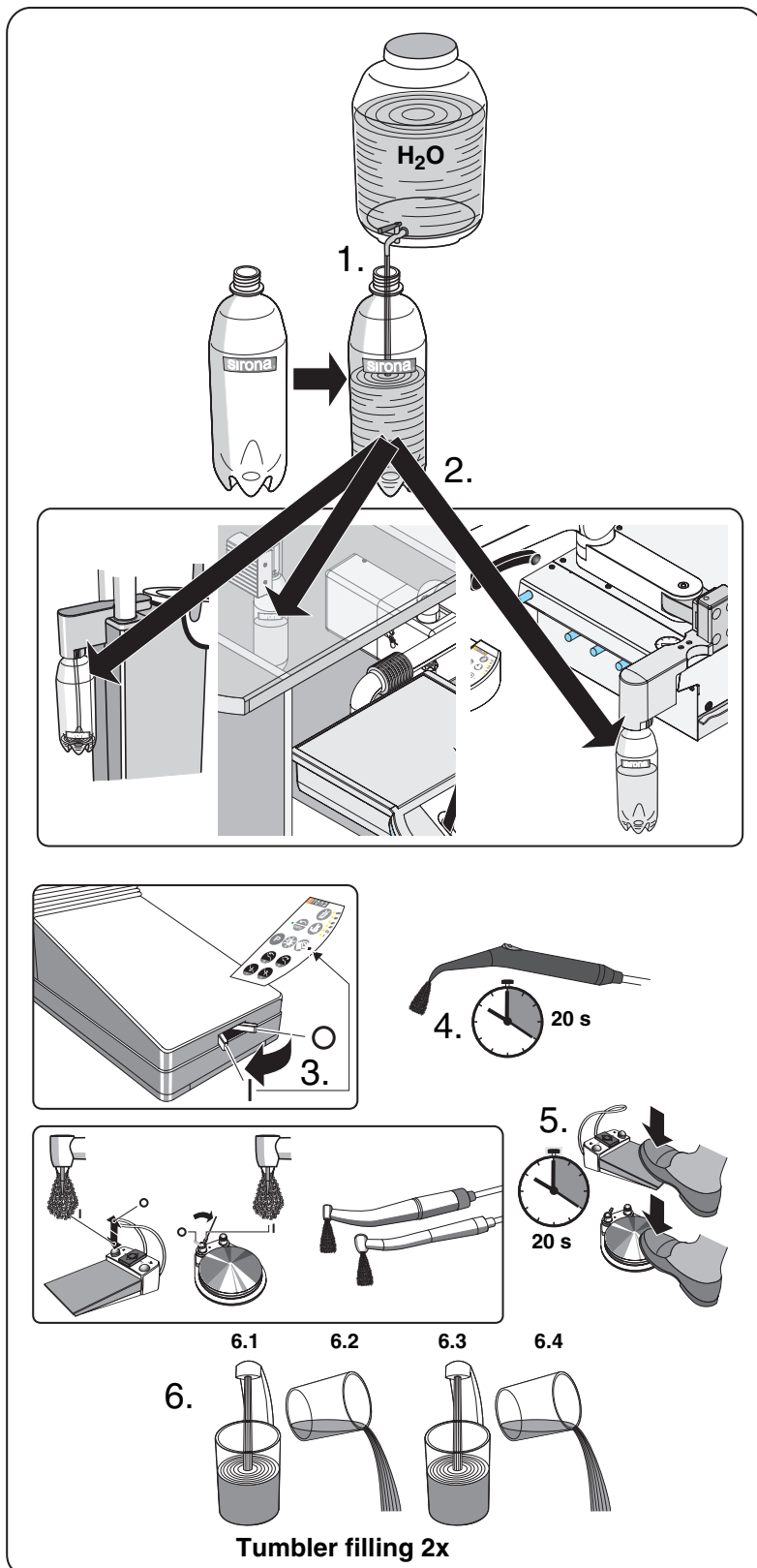
Fill with  
Sirona: Dentosept P



alternatively



Switch OFF the system  
24 hours

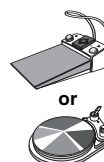


## Fresh water bottle

### Sanitation (2)

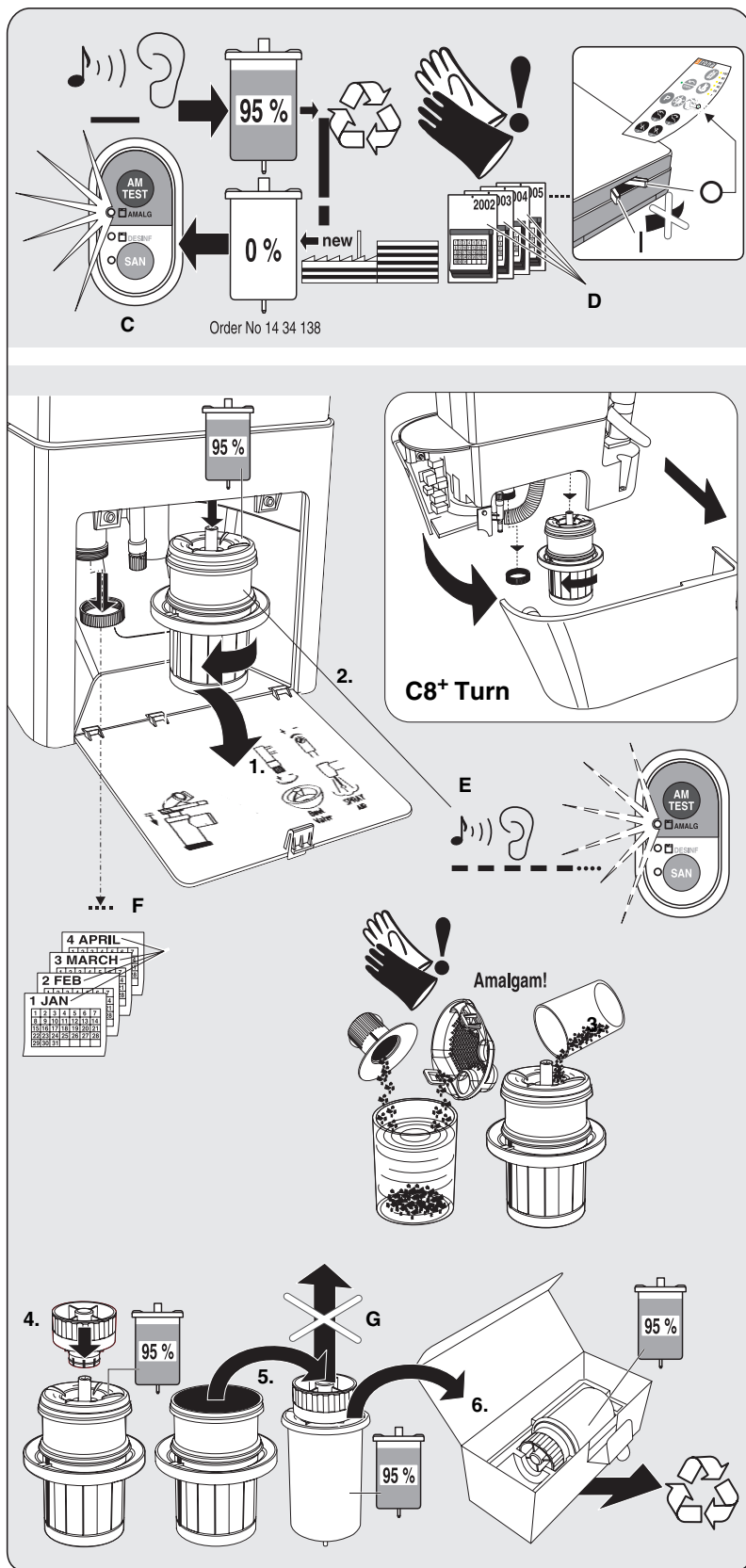


Fill with water



alternatively

or



## Amalgam separator

**C = Change amalgam container!**

**D = Change amalgam container  
at least 1x annually**

**E = Signal during removal!**

**F = Clean siphon once a month**

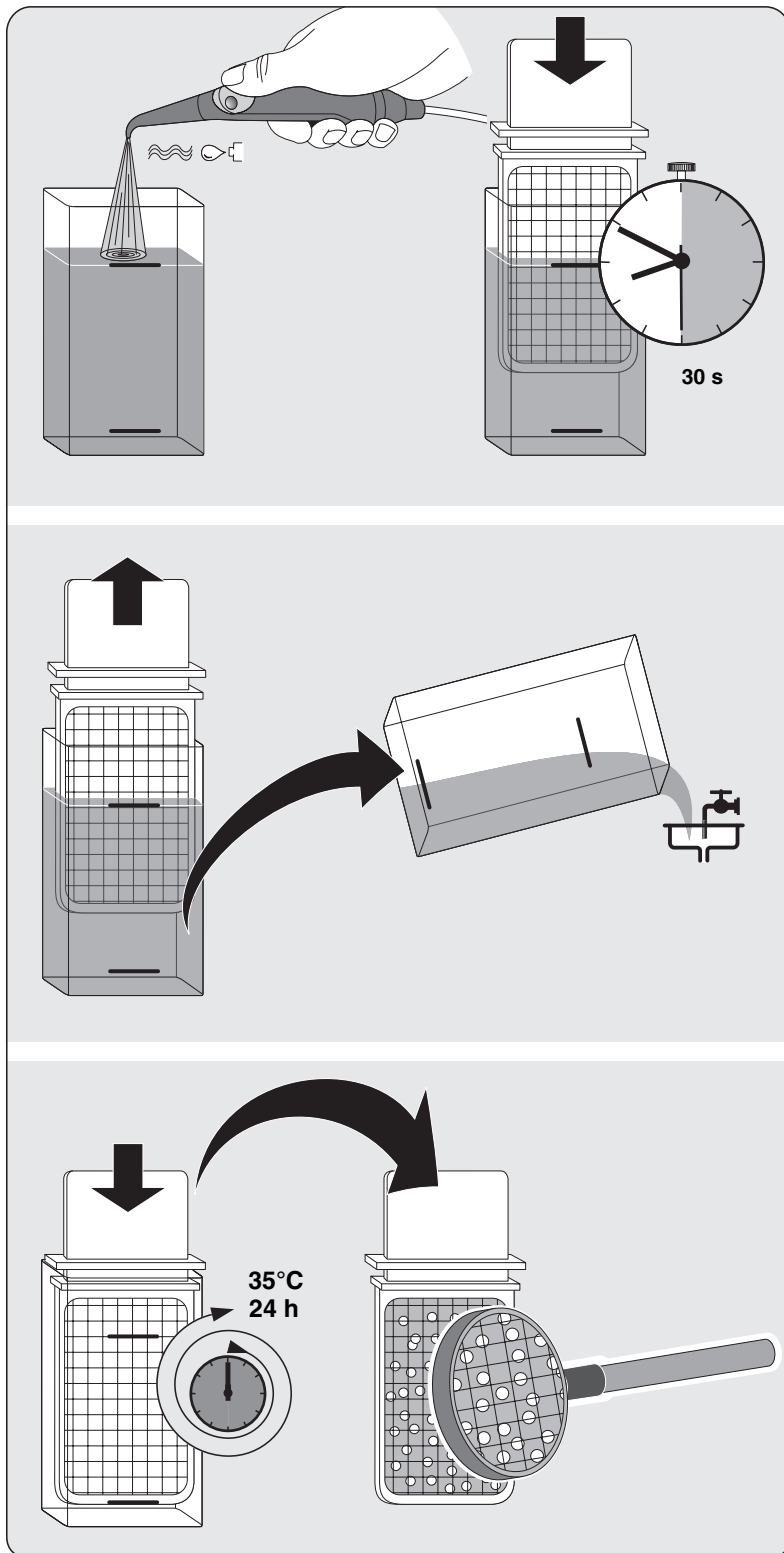
**G = Do not reuse!**



Amalgam recycling!

Replacement:  
Amalgam rotor  
Order No. 14 34 138





### Disinfection system – microbiological water test

Must be performed after a working pause of more than one week. Use a “Total Count Tester” for this purpose. The first three testers will be supplied free of charge if you return the attached voucher. Please state your address and the serial number of the chair (see “Installation Report/Warranty Passport”). Additional testers can be ordered under Order No. 58 53 775.

#### **⚠ ATTENTION**

*The “Total Count Tester” has a maximum durability of 1 year after its date of delivery.*

The cardboard disk contains a dehydrated nutrient medium. It is activated by the sample and serves as culture medium for a number of bacteria. The number of germs provides information on the hygienic condition of the water.

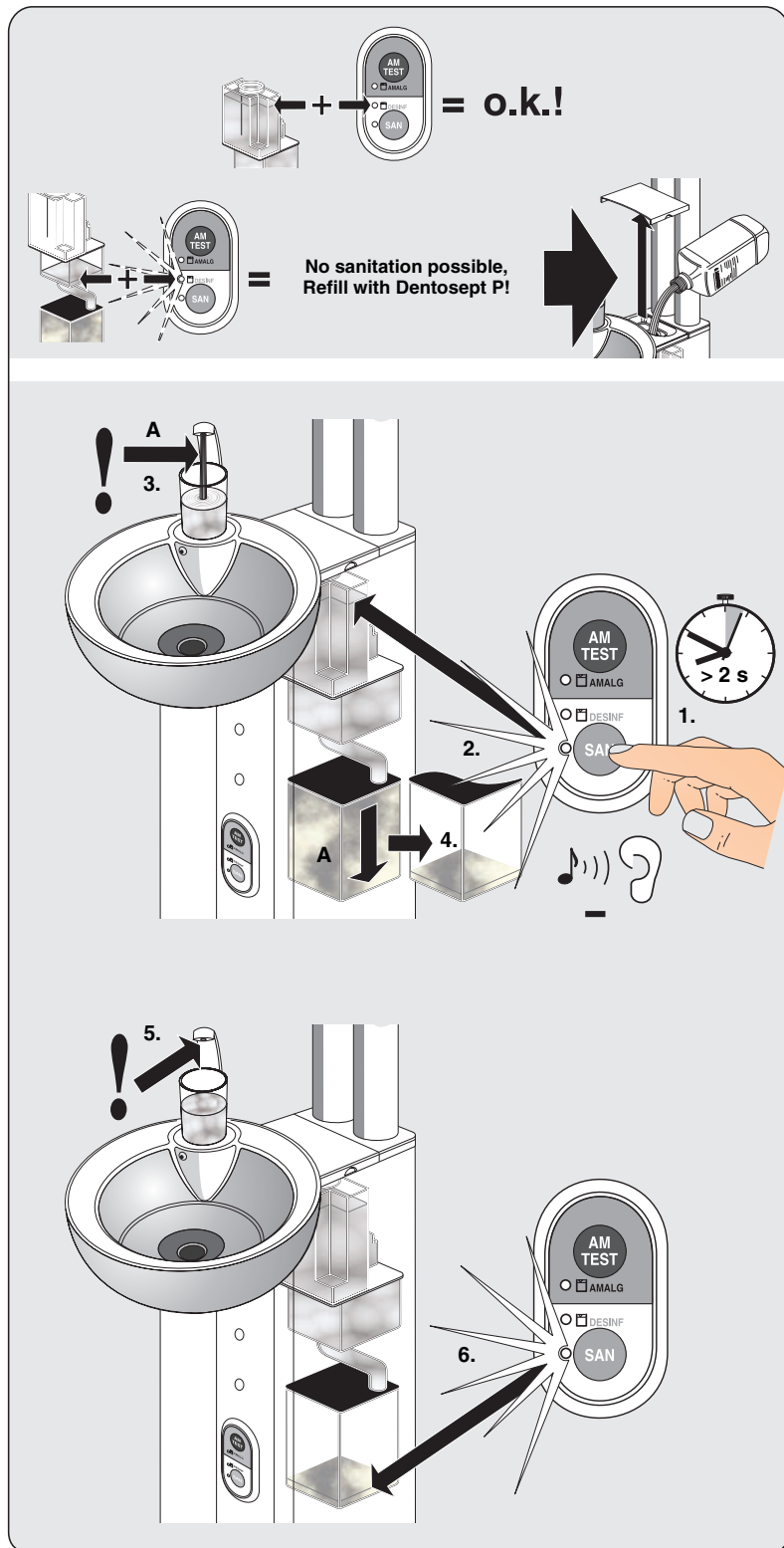
#### Performing the test

- Allow water to run out of the SPRAYVIT syringe for about 1 minute.
- Then take a water sample from this syringe.  
Fill in water up to the upper mark on the container. To neutralize the disinfecting agent of the water sample, add approx. 1.5 g of fixing salt (sodium thiosulfate).  
Do not touch the inside of the container or the part of the tester to be immersed.
- Immerse the tester in the filled container for 30 seconds.  
The cardboard disk with the nutrient medium will now absorb 1 ml of the water sample.
- Remove the tester and shake off excessive water. Empty the container completely.
- Place the tester into the empty container for incubation: Keep either for two days at room temperature or for 24 hours at a temperature of 35 °C.
- Then count all germs found on the surface of the tester.

#### **⚠ ATTENTION**

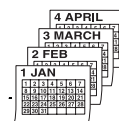
*If the number of germs significantly exceeds 100, then sanitation is required (see next page).*





## Disinfection system – sanitation

### **i** NOTE



Perform sanitation very  
4 weeks!

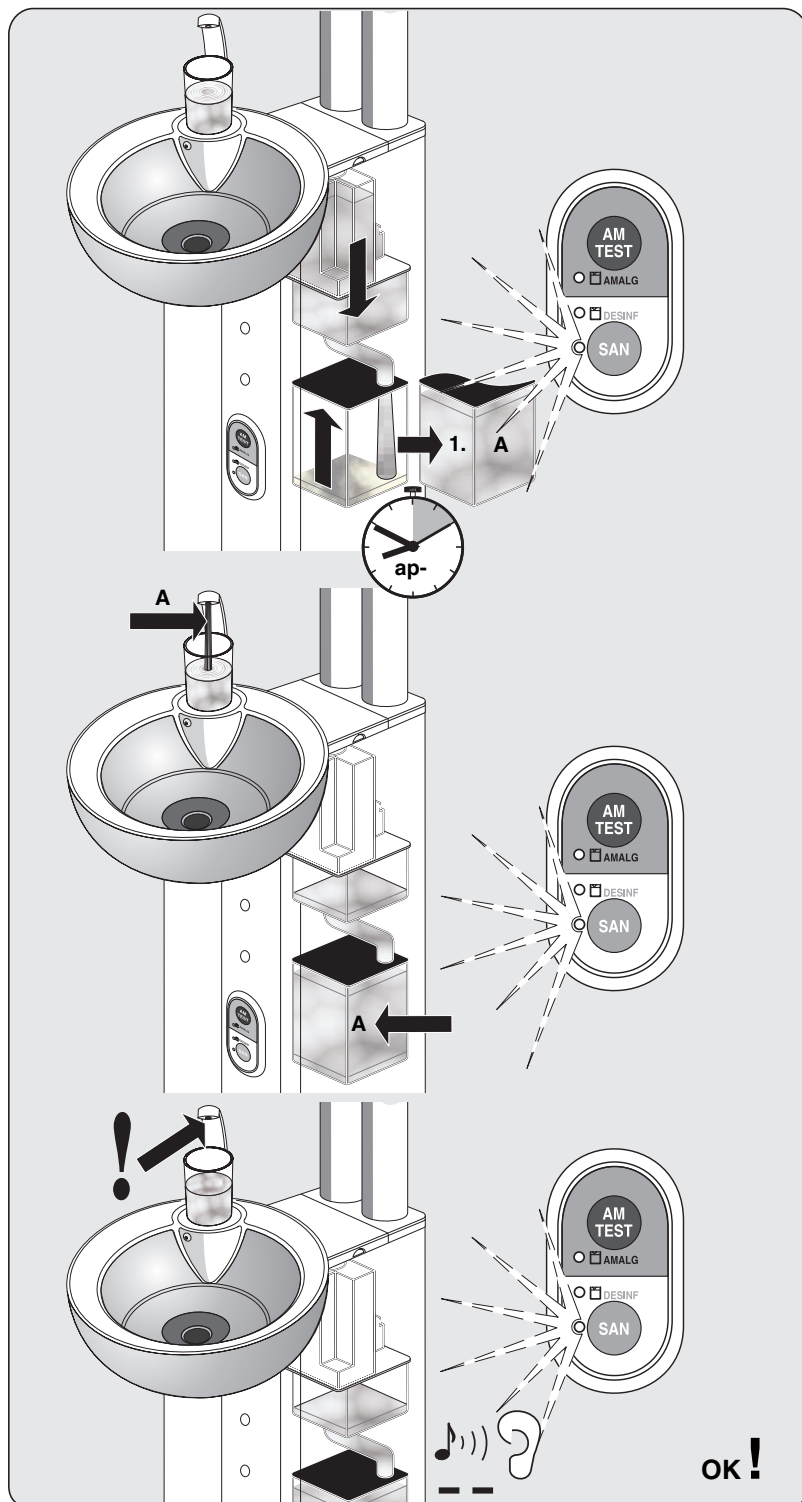
**A = 1 % DENTOSEPT P**  
**99 % H<sub>2</sub>O**

For reorders:

**DENTOSEPT P** 1 case = 6x1 liter,  
Order No. 33 18 156

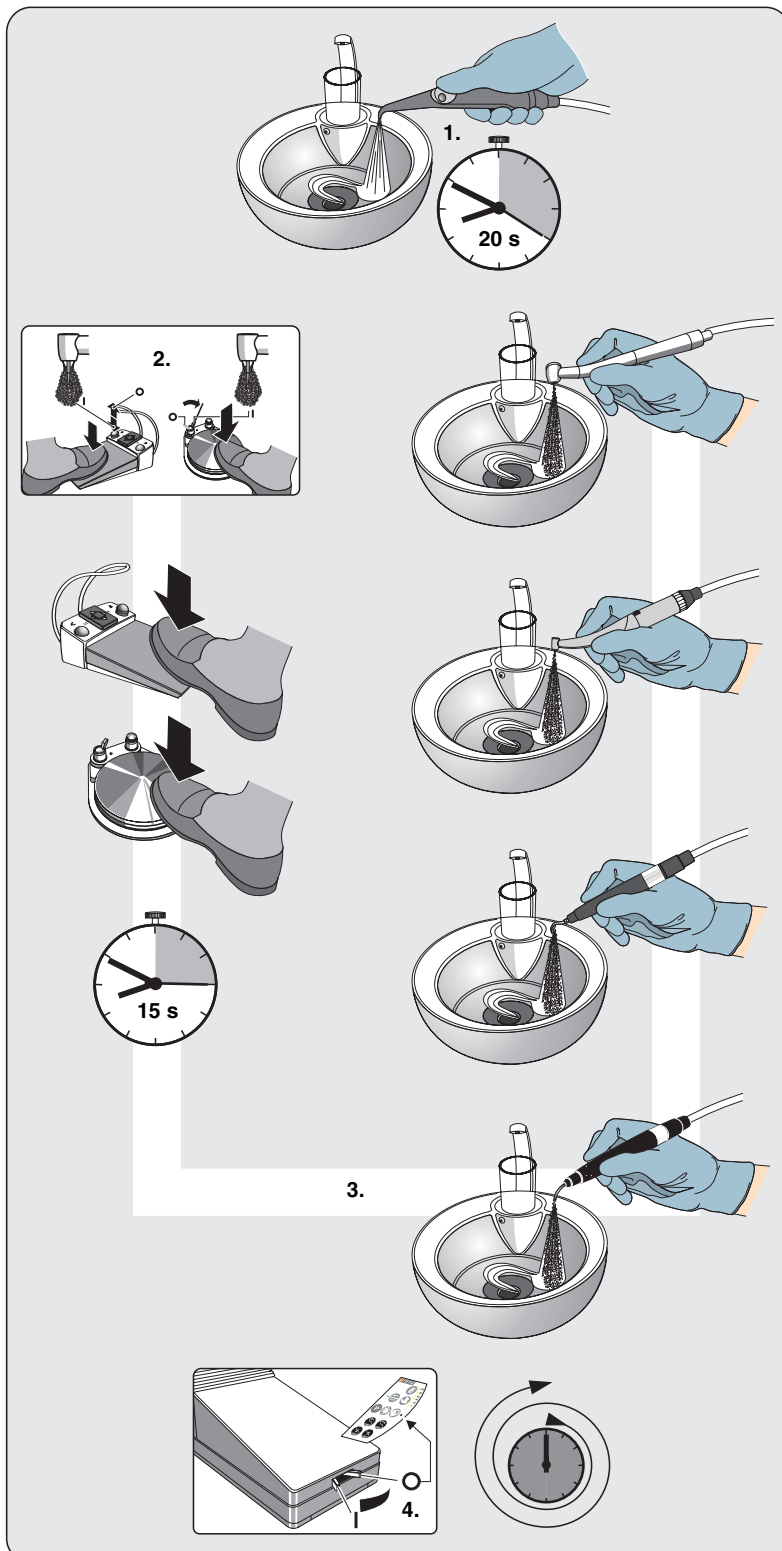
**For Canada/  
Japan only:** 1 case = 6x1 liter,  
Order No. 59 69 535

## Disinfection system – sanitation

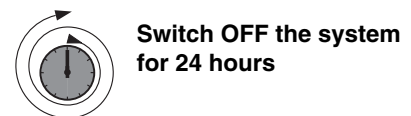
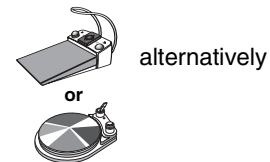


**A = 100 % DENTOSEPT P**

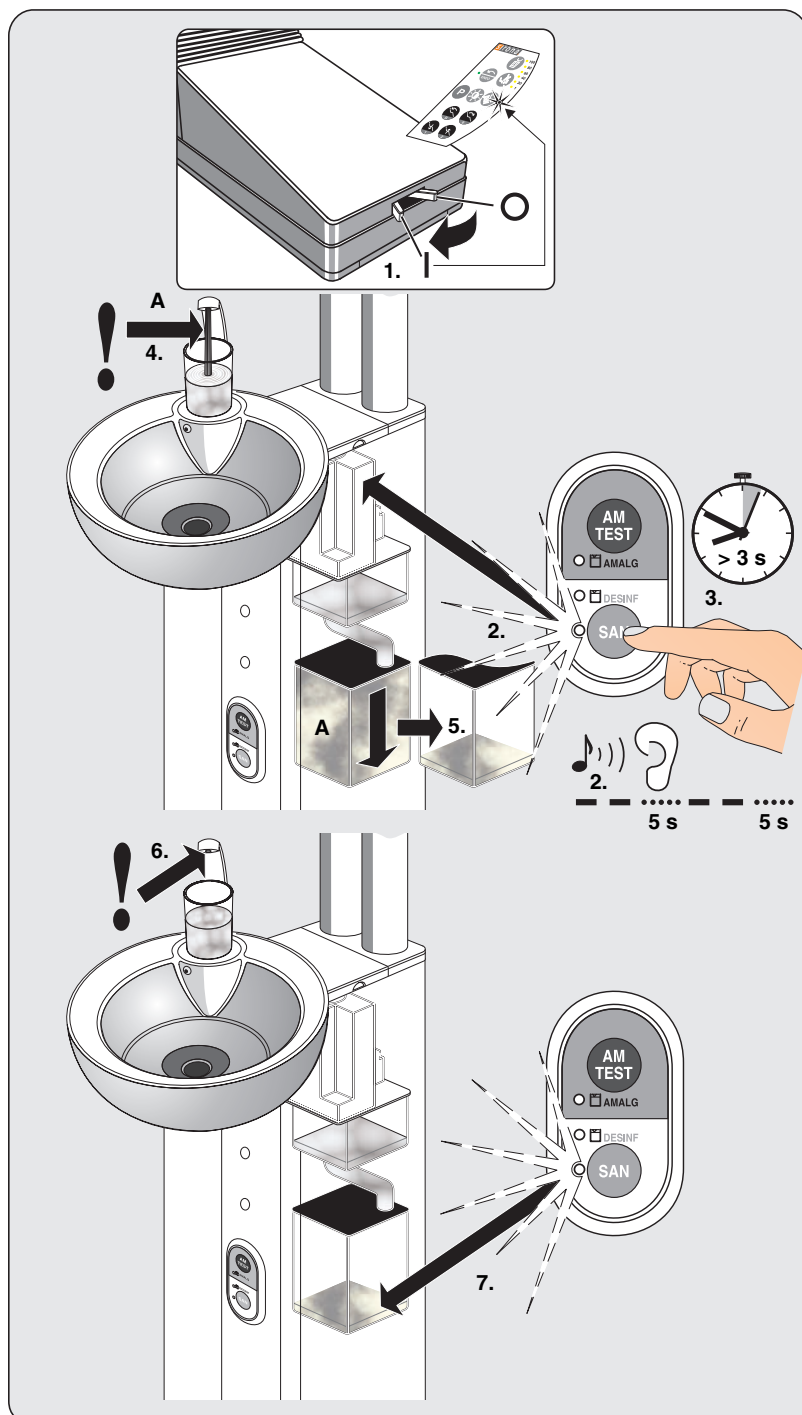
## Disinfection system – sanitation



1% DENTOSEPT P  
99% H<sub>2</sub>O → 100% DENTOSEPT P



## 15.6 Disinfection system – terminating sanitation

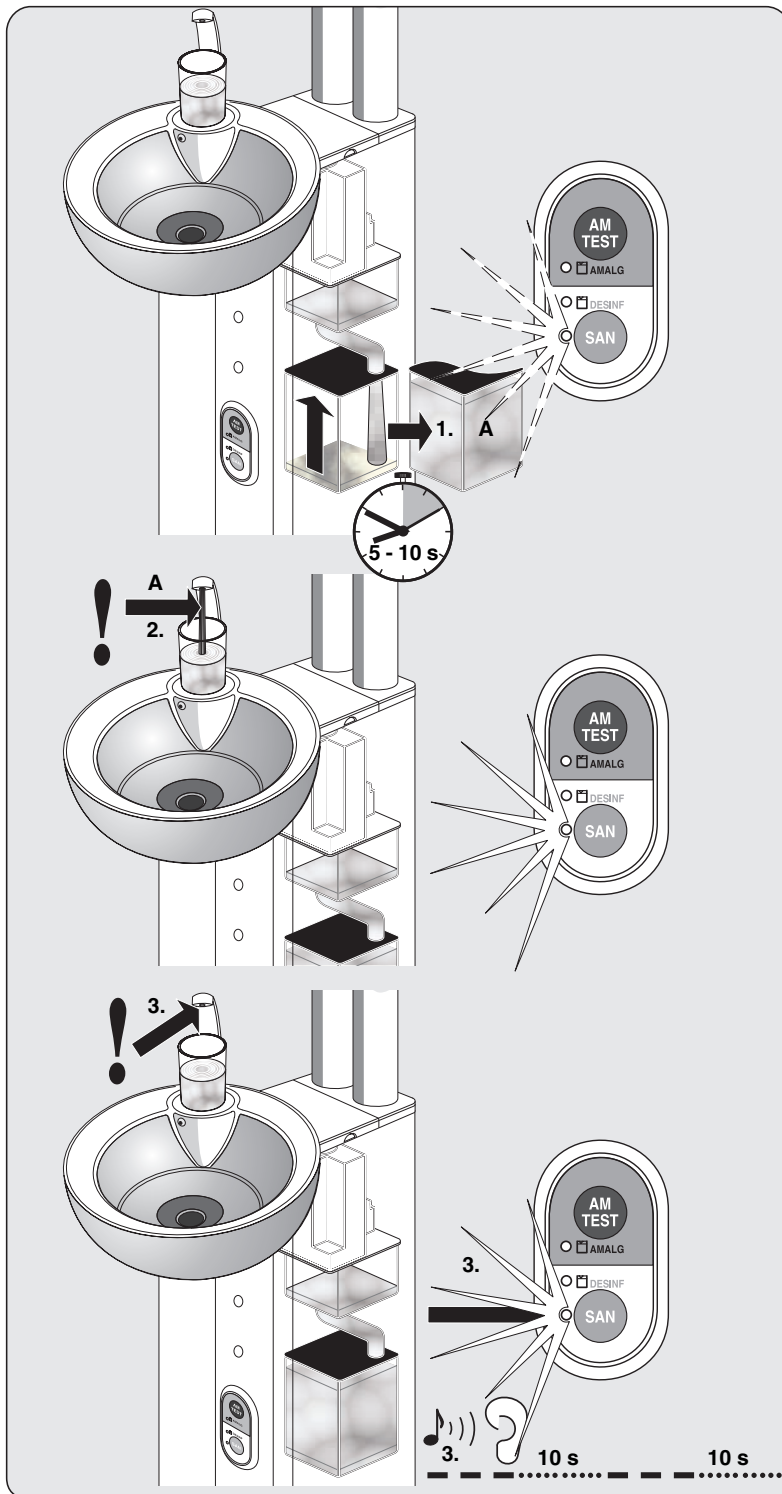


A = 100 % DENTOSEPT P

**! ATTENTION**

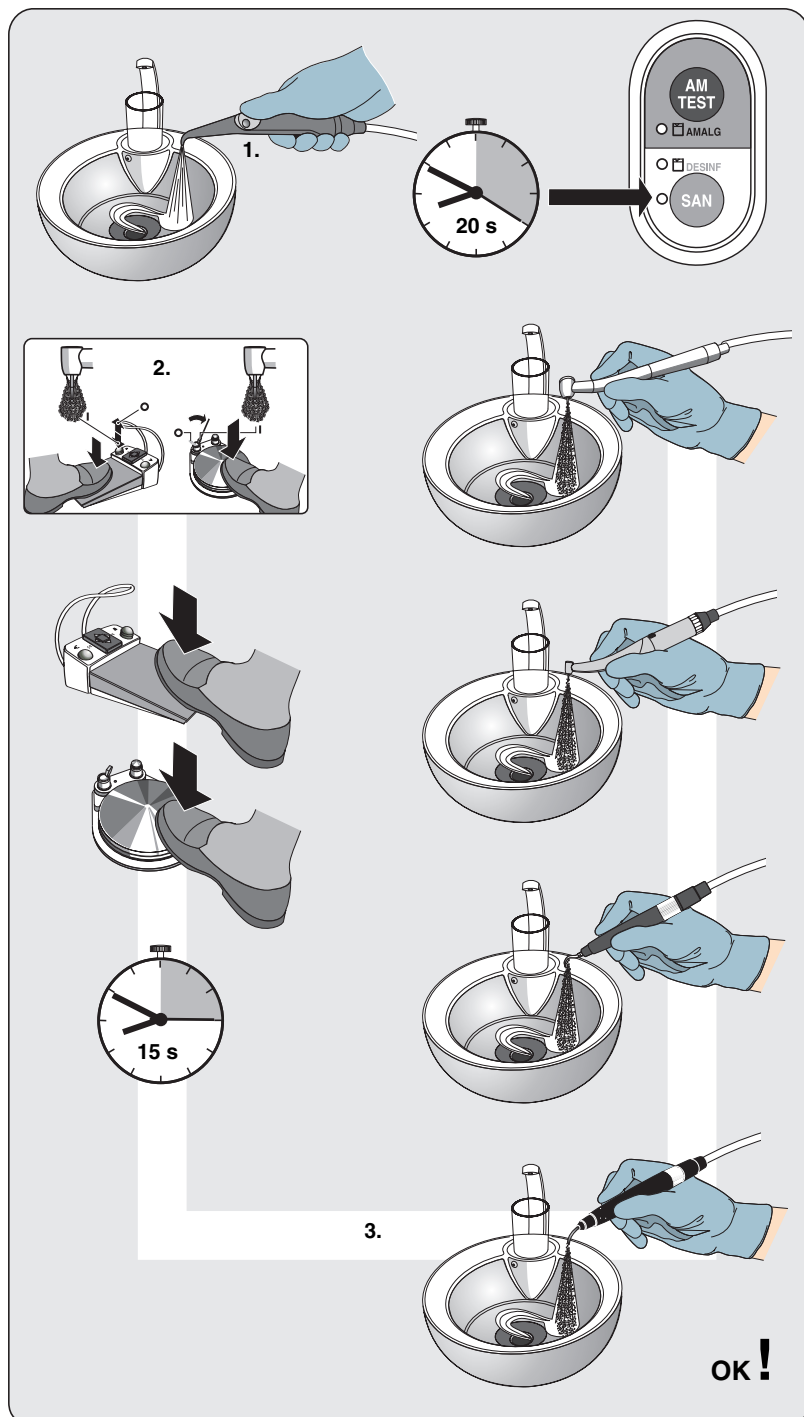
Terminate sanitation!

## Disinfection system – terminating sanitation



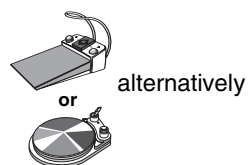
A = 1 % DENTOSEPT P  
99 % H<sub>2</sub>O

## Disinfection system – terminating sanitation

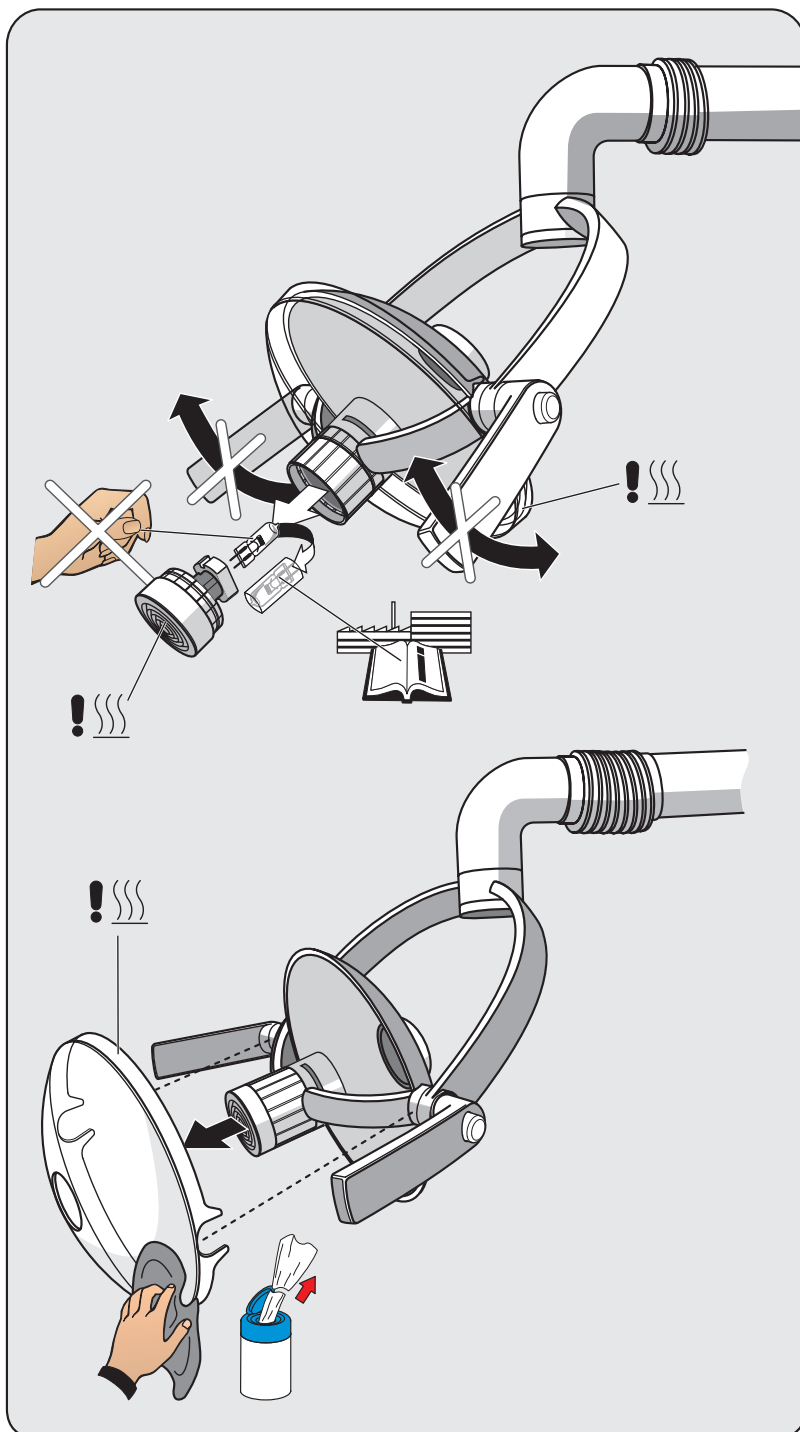


100% DENTOSEPT P → 1% DENTOSEPT P  
99% H<sub>2</sub>O

Rinse instruments!



## 15.7 SIROLUX E operation light



### Replacing the halogen lamp

#### **! ATTENTION**

Always turn the main switch of the lamp off before replacing the lamp (see page 25)!

#### **! ATTENTION**

Pay attention to elevated temperature of the lamp components; and let these cool down.

#### **! ATTENTION**



Only:  
Order No. 48 89 965  
Type OSRAM 64 440  
12 V, 50 W!

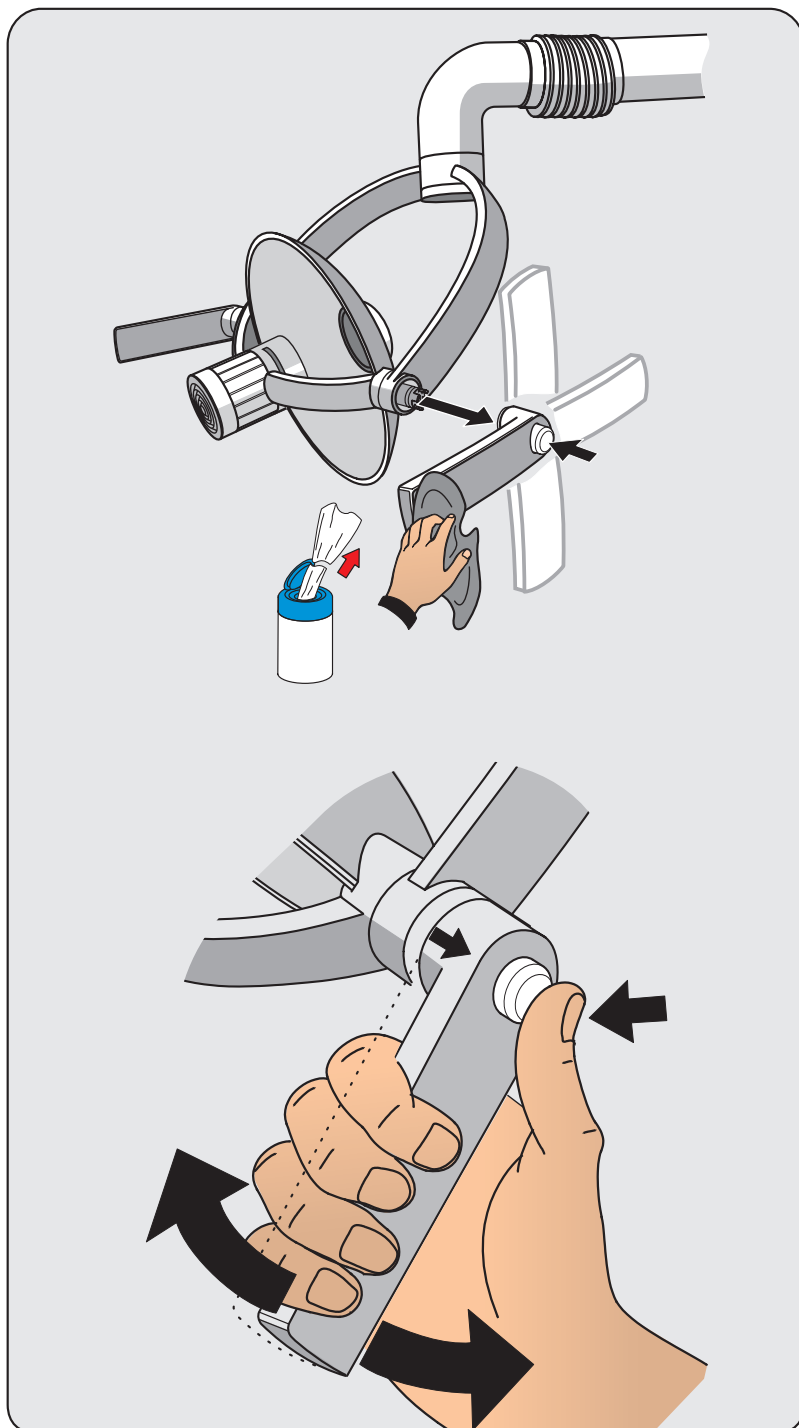
#### **! ATTENTION**



Use only cleaning agents which are approved by Sirona (see page 85, section 15.1)!



Spray disinfection/  
wipe disinfection



### Cleaning or disinfecting the handles

#### **ATTENTION**



Use only cleaning agents which are approved by Sirona (see page 85, section 15.1)!



**Spray disinfection/  
wipe disinfection**

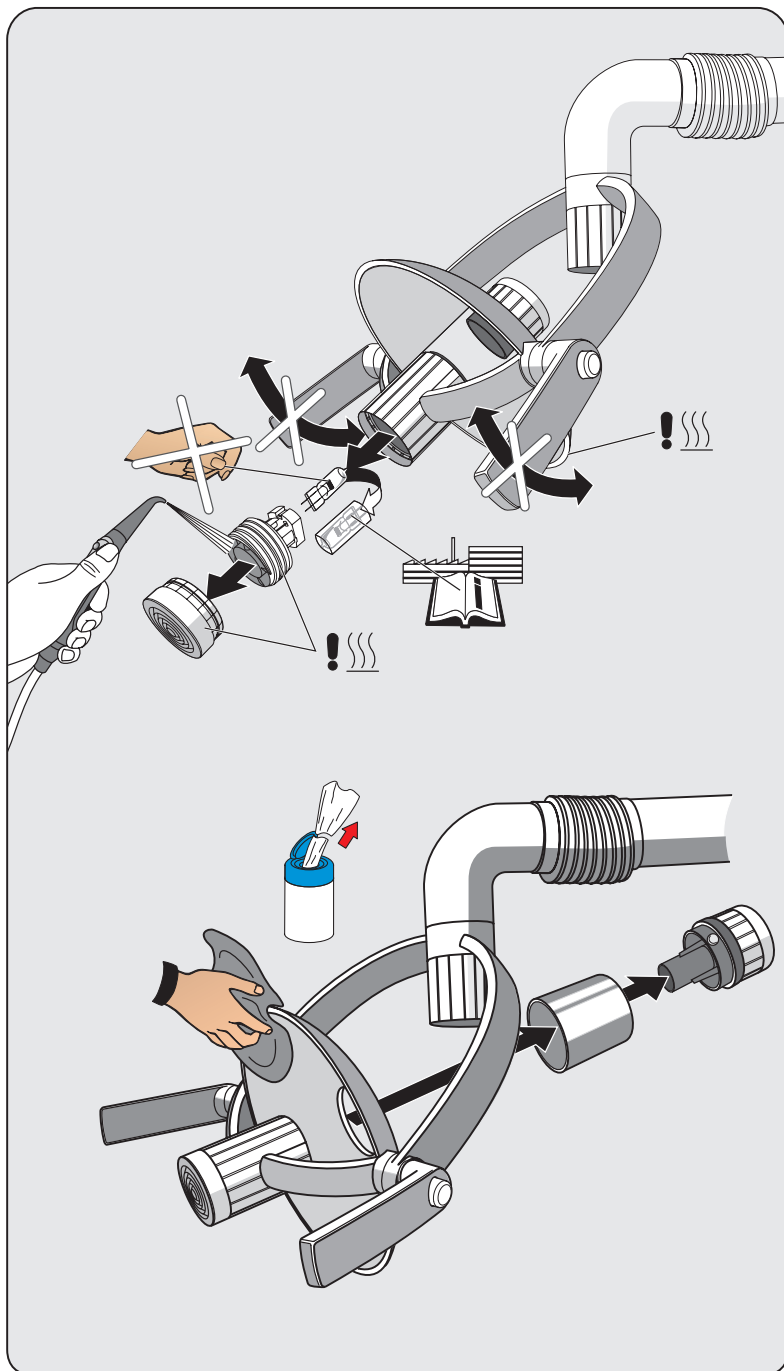
#### **NOTE**

To change the handle position, proceed as follows:

- Press and hold down the button.
- Slightly pull out the handle and turn it until it has reached the desired position.
- Release the button and let the handle lock in place.



## 15.8 SIROLUX FANTASTIC operation light



### Replacing the halogen lamp

#### **! ATTENTION**

Always turn the main switch of the lamp off before replacing the lamp (see page 25)!

#### **! ATTENTION**

Pay attention to elevated temperature of the lamp components; and let these cool down.

#### **! ATTENTION**



Only:  
Order No. 54 32 021!  
24 V 150 W!

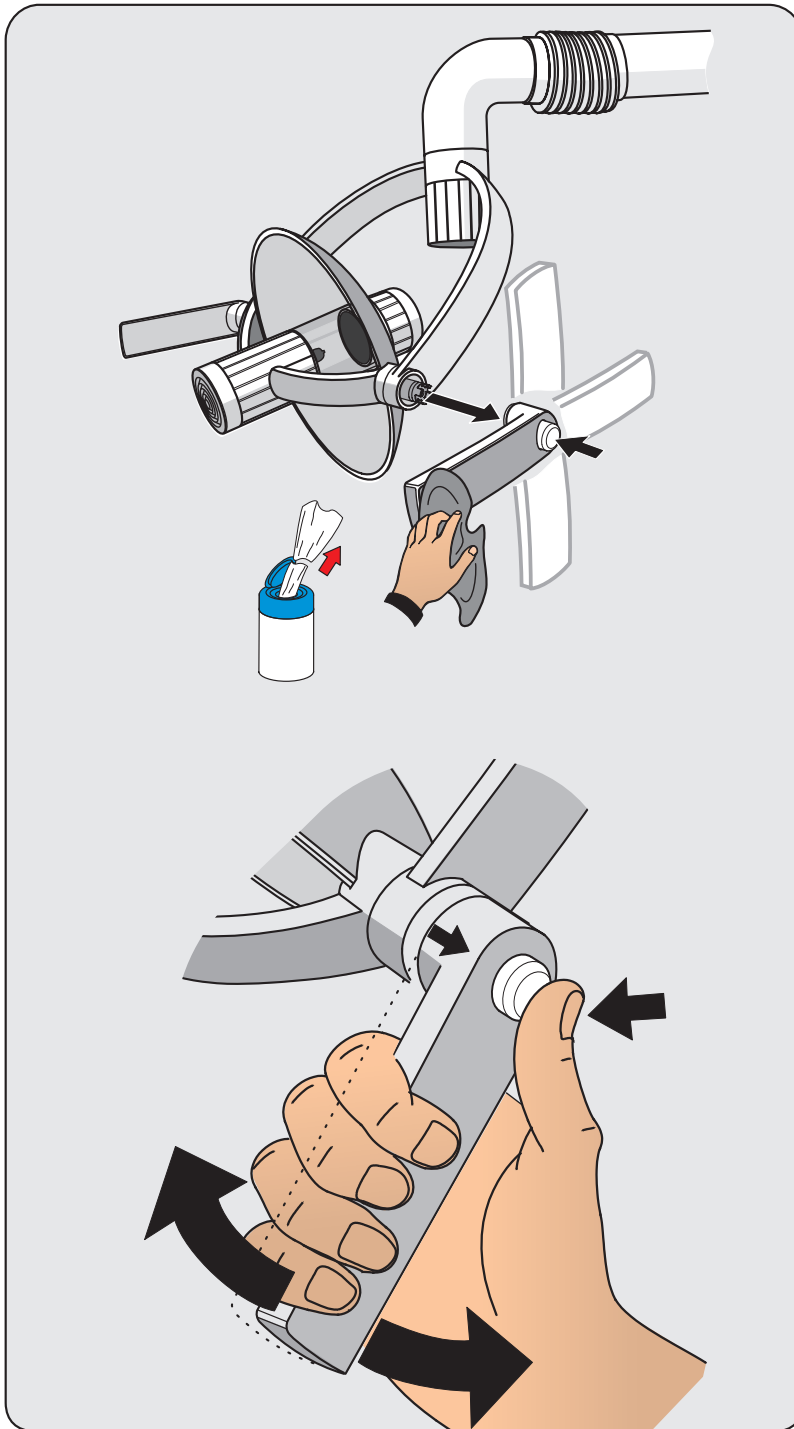
#### **! ATTENTION**



Use only cleaning agents which are approved by Sirona (see page 85, section 15.1)!



Spray disinfection/  
wipe disinfection



### Cleaning or disinfecting the handles



#### ATTENTION

Use only cleaning agents which are approved by Sirona (see page 85, section 15.1)!



**Spray disinfection/  
wipe disinfection**



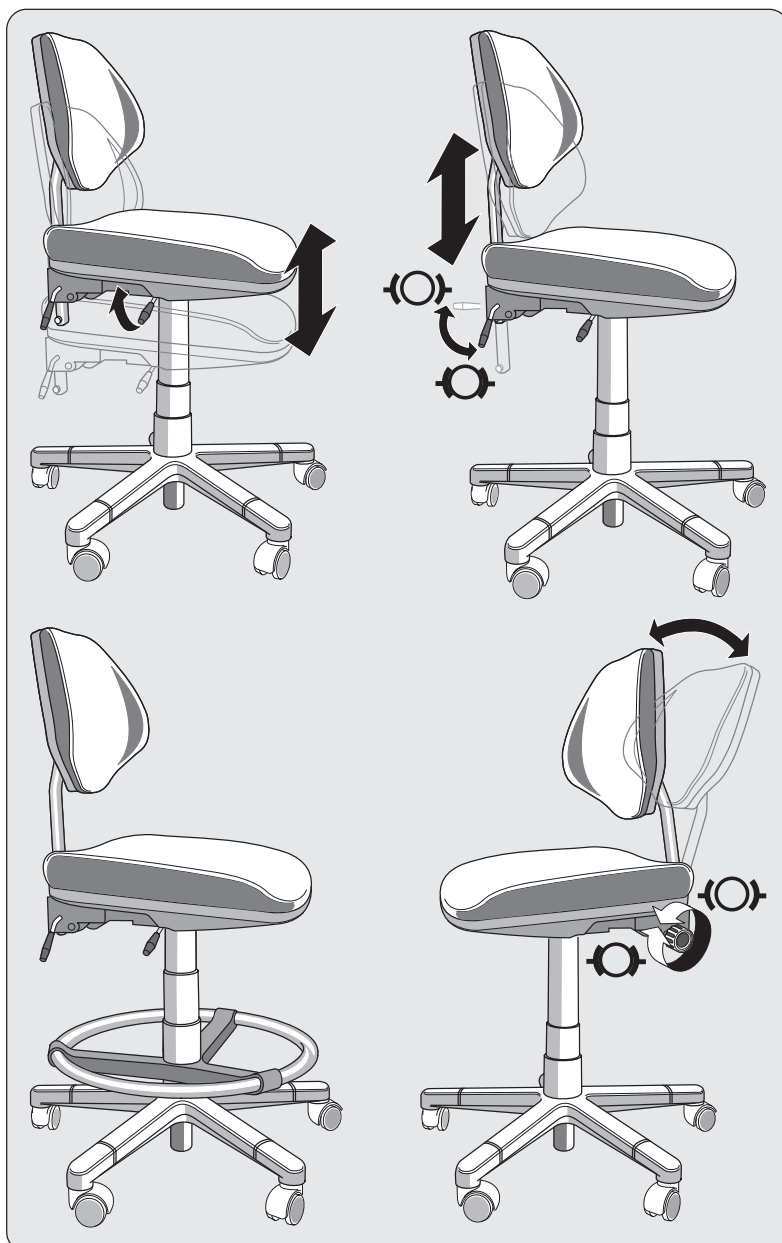
#### NOTE

To change the handle position, proceed as follows:

- Press and hold down the button.
- Slightly pull out the handle and turn it until it has reached the desired position.
- Release the button and let the handle lock in place.

# 16 Options

## 16.1 Working stool



### Upholstery/chair

**Care and cleaning of the upholstery:** Care and cleaning of the synthetic leather upholstery must be performed weekly. The cleaning agent, fluid or cloths also perform care simultaneously.

#### **ATTENTION**



Use only cleaning agents which are approved by Sirona (see page 85, section 15.1)!

### Disinfecting the upholstery

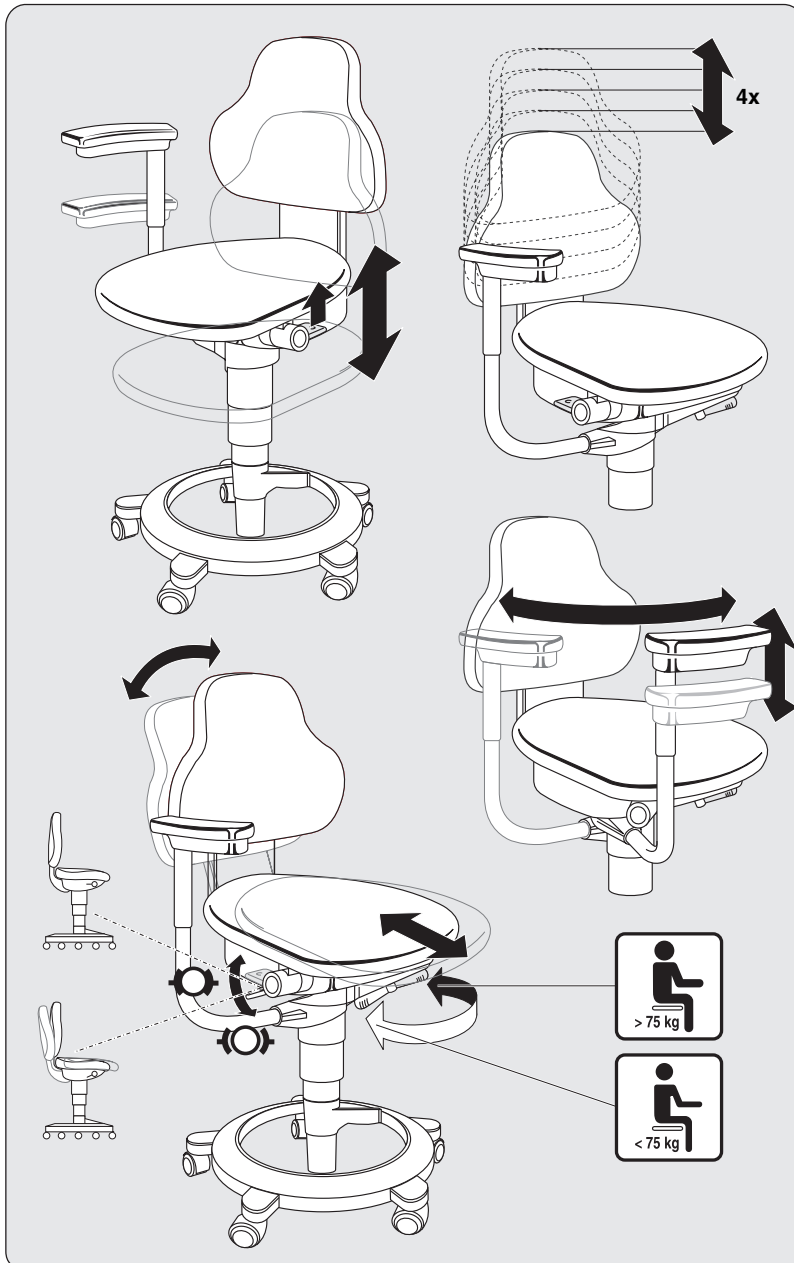
#### **ATTENTION**



Use only disinfectants which are approved by Sirona (see page 85, section 15.1)!

Do not use any other disinfectants!

## 16.2 Working stool C



### Upholstery/chair

**Care and cleaning of the upholstery:** Care and cleaning of the synthetic leather upholstery must be performed weekly. The cleaning agent, fluid or cloths also perform care simultaneously.

#### **ATTENTION**

Use only cleaning agents which are approved by Sirona (see page 85, section 15.1)!



### Disinfecting the upholstery

#### **ATTENTION**

Use only disinfectants which are approved by Sirona (see page 85, section 15.1)!



Do not use any other disinfectants!



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We reserve the right to make any alterations which may be required due to technical improvements.

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