Instructions for use

QUATTROcare PLUS 2124 A
- 1.008.3805

Always be on the safe side.
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1 User instructions

1.1 User guide

⚠️ CAUTION
Incorrect operation.
Damage to or malfunction of the unit.
▷ Read these Instructions for Use before first start-up.

1.1.1 Abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>IfU</td>
<td>Instructions for use</td>
</tr>
<tr>
<td>CI</td>
<td>Care instructions</td>
</tr>
<tr>
<td>AI</td>
<td>Assembly instructions</td>
</tr>
<tr>
<td>TI</td>
<td>Technician's instructions</td>
</tr>
<tr>
<td>SC</td>
<td>Safety checks</td>
</tr>
<tr>
<td>IEC</td>
<td>International Electrotechnical Commission</td>
</tr>
<tr>
<td>RI</td>
<td>Repair instructions</td>
</tr>
<tr>
<td>RK</td>
<td>Retrofitting kit</td>
</tr>
<tr>
<td>AS</td>
<td>Assembly set</td>
</tr>
<tr>
<td>EP</td>
<td>Enclosed parts</td>
</tr>
<tr>
<td>EMC</td>
<td>Electromagnetic compatibility</td>
</tr>
<tr>
<td>PI</td>
<td>Processing instructions</td>
</tr>
</tbody>
</table>

1.1.2 Symbols

⚠️ See the Safety/Warning Symbols section

ℹ️ Important information for users and technicians

케 EC mark according to Medical Devices Directive EC 93/42

▶ Action required

 состояние Wear safety goggles

1.1.3 Target group

This document is for dentists and dental office staff.
1.2 Service

KaVo Technical Service
If you have any technical questions or complaints, please contact the KaVo Technical Service:
+49 (0) 7351 56-1500
service.instrumente@kavo.com

KaVo Repair Service
For repairs, please contact your local dealer or the KaVo Repair Service directly:
+49 (0) 7351 56-1900
service.reparatur@kavo.com

KaVo Dental GmbH
Customer Service Center
Bahnhofstraße 20
D-88445 Warthausen
+49 (0) 7351 56-1500
www.kavo.com

1.3 Transportation and storage

1.3.1 Packaging regulations (applicable in Federal Republic of Germany only)
Dispose of and recycle the sales packaging appropriately in accordance with current packaging regulations, employing waste management or recycling companies. Comply with the comprehensive return system. KaVo has had its sales packaging licensed for this purpose. Please comply with the regional public waste-disposal system.

1.3.2 Damage in transit

Note
KaVo shall not be held liable for damage arising from transportation.
The shipment must be checked on arrival.

International
If the packaging is visibly damaged on delivery, please proceed as follows:
▷ Leave the product and packaging in the condition in which you received it.
▷ Do not use the product.
▷ Record the loss or damage on the delivery receipt. The recipient and the representative of the shipping company must sign this delivery receipt. Without this evidence, the recipient will not be able to assert a claim for damages against the shipping company.

If the product is damaged but there was no discernable damage to the packaging upon delivery, proceed as follows:
▷ Leave the product and packaging in the condition in which you received it.
► Do not use a damaged product.
► Report the damage to the shipping company without delay, definitely no later than 7 days after delivery.

Note
If the recipient fails to comply with any of the above-mentioned obligations, the damage will be considered to have arisen after delivery (in accordance with CMR law, Chapter 5, Art. 30).

In Germany
If the packaging is visibly damaged on delivery, please proceed as follows:
► Leave the product and packaging in the condition in which you received it.
► Do not use the product.
► Record the loss or damage on the delivery receipt. The recipient and the representative of the shipping company must sign this delivery receipt.
► Report the damage to the shipping company.
► Report the damage to KaVo.
► Consult with KaVo first, before returning a damaged product.
► Send the signed delivery receipt to KaVo.

If the product is damaged but there was no discernable damage to the packaging upon delivery, proceed as follows:
► Leave the product and packaging in the condition in which you received it.
► Do not use a damaged product.
► Report the damage to the shipping company without delay, definitely no later than 7 days after delivery.
► Report the damage to KaVo.

Note
If the recipient fails to comply with any of the above-mentioned obligations, the damage will be considered to have arisen after delivery (in accordance with the General German Freight Forwarders’ Terms and Conditions, Art. 28).

1.3.3 Storage

Note
Please keep the packaging in case you need to return the product for servicing or repair.

The symbols printed on the outside are for transportation and storage, and have the following meaning:

Temperature range -20 to 50°C (-4 to 122°F)
<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Humidity" /></td>
<td>Humidity 5% to 95% non-condensing</td>
</tr>
<tr>
<td><img src="image" alt="Air Pressure" /></td>
<td>Air pressure 700 to 1,060 hPa</td>
</tr>
<tr>
<td><img src="image" alt="Transport Upright" /></td>
<td>Transport upright</td>
</tr>
<tr>
<td><img src="image" alt="Protect From Impact" /></td>
<td>Protect from impact</td>
</tr>
<tr>
<td><img src="image" alt="Protect From Moisture" /></td>
<td>Protect from moisture</td>
</tr>
<tr>
<td><img src="image" alt="Permissible Stacking Load" /></td>
<td>Permissible stacking load: 15 kg (33 pounds)</td>
</tr>
<tr>
<td><img src="image" alt="Disposal" /></td>
<td>Disposal</td>
</tr>
</tbody>
</table>
2 Safety

2.1 Description of safety instructions

2.1.1 Warning symbol

2.1.2 Structure

DANGER

The introduction describes the type and source of the hazard. This section describes potential consequences of non-compliance.

- The optional step includes necessary measures for hazard prevention.

2.1.3 Description of hazard levels

Safety instructions distinguishing between three hazard levels are used in this document to prevent personal and property damage.

CAUTION

indicates a hazardous situation that can cause damage to property or mild to moderate injuries.

WARNING

indicates a hazardous situation that can lead to death or fatal injury.

DANGER

indicates a maximal hazard due to a situation that can directly cause death or fatal injury.

2.2 Purpose – Proper use

2.2.1 General information

CAUTION

Improper maintenance or repair of the unit. Damage to and malfunction of the unit.

- Repair and servicing work on the electronic part of the unit may be done only by skilled staff or KaVo-trained technicians.
- Use original KaVo spare parts only.
CAUTION

Inappropriate installation location of the unit.
Damage to and malfunction of the unit.
- The unit is designed for indoor use only.
- Do not use the unit in areas where there is an explosion hazard.

The user must ensure that the unit works properly and is in satisfactory condition before each use.

According to these provisions, the user is responsible for:
- exclusive use of equipment that is operating correctly.
- compliance with the specified intended use.
- protecting himself and others against hazards.
- Compliance with the warnings on the device and in the Instructions for Use is mandatory.

The following persons are authorised to repair and service the KaVo product:
- Technicians of KaVo branch offices after appropriate product training.
- Specifically KaVo-trained technicians of KaVo franchised dealers.

The applicable national legal regulations must be observed during the use of the device, in particular the following:
- Applicable regulations governing the connection and start-up of medical devices.
- Current occupational safety regulations.
- Current accident prevention regulations.

KaVo shall not be responsible for damage caused by:
- external influences, poor media quality or faulty installation.
- The use of incorrect information.
- repair work carried out incorrectly.

Disposal of electronic and electrical devices

Note
According to EC directive 2002/96 concerning used electrical and electronic devices, this product is subject to the cited directive and must be disposed of accordingly within Europe.
For more information, please visit www.kavo.com or contact your specialised dental supplier.

For final disposal, please contact:

International
For country-specific information on disposal, please contact your dental supplier.

In Germany
To return an electrical device, you need to proceed as follows:
- On the homepage of enretec GmbH www.enretec.de, you can download a form for a disposal order under the menu item eom, or you can complete it as an online order.
Please complete the disposal order entering the necessary data and submit it as an online order or by Fax +49 (0) 3304 3919-590.

The following contact options are also available for questions and for initiating a disposal order:
Phone +49 (0) 3304 3919-500
enretec GmbH, Geschäftsbereich eomRECYCLING®, Kanalstraße 17, 16727 Velten, Germany
pickup@eomRECYCLING.com

A unit that is not permanently installed in the office will be picked up.
A permanently installed unit will be picked up at the curb at your address on the agreed date.
The owner or user of the device will have to bear the costs of disassembly, transportation and packaging.

### 2.2.2 Product-specific

The intended use of the KaVo QUATTROcare is for internal cleaning, i.e., purging of old lubricant, for the maintenance of rotating dental and surgical instruments. KaVo QUATTROcare spray can is a component of the KaVo QUATTROcare unit and is specifically designed to fit this unit only. The lubricant spray can is unable to be used manually.

**Note**
Compliance with the preceding and subsequent re-processing steps according to the recommendations of the Medical Devices Law and RKI guidelines is required although the QUATTROcare PLUS 2124 A services the straight and contra-angle handpieces and turbines to be re-processed and cleans the inner parts from mechanical abrasion.

### 2.3 Safety instructions

#### 2.3.1 General information

**WARNING**
Electrical power.
Electrical shock.
Damage to or malfunction of the unit.

- Connect the device to a properly grounded and fuse-protected power source only.
- Check if the information on the rating plate of the unit (voltage, frequency) is consistent with the available electrical power supply. The rating plate is attached on the back panel of the device.
- Supply the device only with the voltage specified in the instructions for use, on the rating plate, and on the device.
- Only use extension cords that are permissible for the indicated rated voltage and are fitted with a protective conductor.
- Disconnect the unit from the power supply when you leave your practice.
2.3.2 Product-specific

**WARNING**
Overheating.
If the instrument with spray canister inserted heats up to above 50°C (122°F), there is a danger of explosion.
- Protect the device from heating up to more than 50°C (122°F).

**CAUTION**
Contaminated compressed air.
Damage to and malfunction of the instrument.
- In general, ensure dry, clean oil-free compressed air in accordance with EN ISO 7494-2.

**Note**
Compressed air
If compressed air is supplied without control, hoses on the inside of the unit might burst or the compressed air controller might be damaged.
- Before any extended period of non-use, disconnect the compressed air from the unit.
3 Product description

3.1 QUATTROcare PLUS 2124 A

1. 3x INTRAmatic service couplings
2. 1x MULTIflex service couplings
3. Control panel and display
4. Door of spray can chamber
5. Chuck service adaptor
6. QUATTROcare Plus Spray canister
7. Collecting pan
8. Front door

Back of QUATTROcare PLUS 2124 A
1. Rating plate
2. Compressed air connection
3. Input of mains voltage
4. Fuse
5. Main switch
3.2 Rating plate

<table>
<thead>
<tr>
<th>Type</th>
<th>QUATTROcare PLUS 2124 A</th>
</tr>
</thead>
<tbody>
<tr>
<td>SN</td>
<td>Year of manufacture - serial number</td>
</tr>
<tr>
<td>REF</td>
<td>Material number</td>
</tr>
<tr>
<td></td>
<td>Fuse-protected with T1000 mA</td>
</tr>
<tr>
<td></td>
<td>Comply with the Instructions for use</td>
</tr>
<tr>
<td>CE</td>
<td>CE mark</td>
</tr>
<tr>
<td>CSA</td>
<td>CSA mark</td>
</tr>
<tr>
<td></td>
<td>Labelling according to 2002/96/EC</td>
</tr>
</tbody>
</table>

3.3 Technical data

Device dimensions

<table>
<thead>
<tr>
<th>Width</th>
<th>350 mm (1.15 feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>230 mm (0.75 feet)</td>
</tr>
<tr>
<td>Height</td>
<td>380 mm (1.25 feet)</td>
</tr>
<tr>
<td>Weight</td>
<td>10 kg (22 pounds)</td>
</tr>
</tbody>
</table>
### Electrical supply

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Line voltage</td>
<td>100 to 240 VAC</td>
</tr>
<tr>
<td>Mains frequency</td>
<td>50 or 60 Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>41 VA</td>
</tr>
<tr>
<td>Overvoltage category</td>
<td>II</td>
</tr>
<tr>
<td>Mains voltage fluctuation</td>
<td>±10 %</td>
</tr>
</tbody>
</table>

### Compressed Air

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressed air</td>
<td>0.4 to 0.6 MPa</td>
</tr>
<tr>
<td>Compressed air consumption</td>
<td>Approximately 50 NL/min</td>
</tr>
<tr>
<td>Air requirements</td>
<td>Dry, oil free, dirt free, uncontaminated in accordance with EN ISO 7494-2</td>
</tr>
</tbody>
</table>

### Operating environment

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>15 to 40°C (59 to 104°F)</td>
</tr>
<tr>
<td>Humidity</td>
<td>25 to 90 %</td>
</tr>
<tr>
<td>Degree of soiling</td>
<td>2</td>
</tr>
<tr>
<td>Permissible to a maximum</td>
<td>2000 m above sea level (6560 feet altitude)</td>
</tr>
</tbody>
</table>

### Transportation and storage conditions

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage temperature</td>
<td>0 to 25°C (32 to 77°F)</td>
</tr>
<tr>
<td>Transport temperature</td>
<td>-18 to 40°C (-0 to 104°F)</td>
</tr>
<tr>
<td>Rel. humidity</td>
<td>5 to 95 % non-condensing</td>
</tr>
<tr>
<td>Air pressure</td>
<td>700 to 1060 hPa</td>
</tr>
</tbody>
</table>

### 3.4 Scope of delivery

**Note**

The package includes the articles listed below. If any of these articles is missing, please contact the supplier immediately so that the missing article can be delivered.
① Chuck service adaptor
② QUATTROcare Plus Spray canister
③ Compressed air coupling
④ Instructions for use
⑤ O-ring MULTIflex (4 units)
⑥ O-ring INTRAmatic (3 units)
⑦ Compressed air hose
⑧ Power cable
⑨ Service coupling MULTIflex
⑩ Service coupling INTRAmatic (3 units)
⑪ QUATTROcare PLUS 2124 A
4 First use

4.1 Select location

The QUATTROcare Plus Spray canister contains explosive propellant gases. The following instructions and setup conditions therefore need to be observed when setting up the unit.

⚠️ WARNING

Propellant gases of the QUATTROcare Plus spray canister.
Explosive, flammable vapour/air mixtures may be produced during use. Risk of fire from overheating.
- Do not expose the unit to direct sunlight.
- Do not place the unit right next to a source of heat.
- Keep away from ignition sources, and do not use open fire close by.
- Ensure sufficient ventilation of the premises.

⚠️ CAUTION

Danger of overheating.
Damage to and malfunction of the device.
- Do not cover or obstruct the vents and openings on the unit.
- Maintain a minimum distance of 20 cm (8 inches) between the unit and the surfaces of walls or cabinets.

>Note

Tests have demonstrated that the unit meets the requirements of EC Directive 2004/108/EC concerning electromagnetic compatibility. Even though the unit does not emit interfering radiation, other equipment (e.g., ultrasonic cleaners) can interfere with the unit. Keep the unit away from possible sources of interference.
Note
The unit must be set up on a flat, level surface that is insensitive to oil and water. The unit must not be set up or operated on an angled surface.

Installation requirement:
- It is mandatory to maintain a minimal distance of 20 cm (8 inches) \(\circ\) between the unit and wall or cabinet surfaces.
- Well-ventilated rooms \(\circ\) are a suitable installation location. Do not expose to direct sunlight. Do not set up the unit in cabinets.
- Maintain a minimum distance of 50 cm (20 inches) \(\circ\) from electrical plugs, light switches, and sources of ignition.
- Only operate the device in a clean environment such as that of a laboratory or dental practice.

4.2 Connect the QUATTROcare PLUS 2124 A

CAUTION
Contaminated compressed air.
Damage to and malfunction of the device.
- The compressed air must be free of oil, dirt, and contamination.
- If needed: Use a compressor with a dry air system, if required, possible install an upstream air filter (on the compressor) or blow-out the lines before connecting them.
4 First use | 4.3 Replacing the QUATTROcare Plus Spray canister

**Note**

*Use of power cables other than original KaVo parts.*

Damage to or malfunction of the unit.

- Use original KaVo power cables only (for material numbers, see chapter on "Consumables and tools").

---

Back of QUATTROcare PLUS 2124 A

A T1000 mA fuse is installed 📉.

- Plug the power cable into the electric socket 🌐.

- Plug the compressed air hose onto the compressed air connector 🎈.

**Note**

Compressed air hose must not be kinked.

- Turn the main switch 🛒 on.

---

**4.3 Replacing the QUATTROcare Plus Spray canister**

**WARNING**

*Use of servicing products other than original KaVo products.*

The use of third-party products can shorten the product life, cause explosion, damage or malfunction.

- Always service KaVo products with original KaVo service products.

**Note**

KaVo advises explicitly that original KaVo service products must be used exclusively.

Only QUATTROcare Plus spray canisters bearing a bar code may be used. The QUATTROcare PLUS unit checks if the original spray can is being used. If a spray canister without a barcode or with a false bar code is inserted, the servicing device will indicate this as an error by means of a flashing LED.

**See also:**

7 Troubleshooting, Page 31

QUATTROcare plus Spray package with 6 canisters can be ordered using the following Mat. no. 1.005.4525.
4.3.1 Insert the spray canister

Wear safety goggles when you insert or replace the spray can. Please note the safety data sheet of the spray can.

Note
The safety data sheet of the QUATTROcare Plus Spray can be viewed at www.kavo.com.

- Open the side door of the unit.
- Swing the adaptor on the retention clip outward.
- Place the spray can on the retention clip and position it towards the thread.
- Screw the spray can into the adaptor in clockwise direction and tighten until you notice a resistance. Do not jam it.

☞ The sealing ring seals with respect to the canister connector.
4 First use | 4.3 Replacing the QUATTROcare Plus Spray canister

▶ Check the screw connection.

**Note**
After insertion of the spray can check visually, tactile, acoustically and by touch for absence of leakage. The spray can must rest flat against the adaptor. There must be no gap between the spray can and the adaptor. The connection must be tightly sealed.

**Note**
If any oil or gas leaks, you need to use a different spray can.

▶ Swing the canister and adaptor back into the instrument.

▶ Close the side door of the instrument.

### 4.3.2 Remove the spray canister

▶ Open the side door of the unit.
4 First use | 4.3 Replacing the QUATTROcare Plus Spray canister

▶ Swing the spray can and the adaptor out of the device.

▶ Place the spray can on the retention clip and unscrew it counterclockwise from the adaptor.

▶ Close the side door of the unit.

4.3.3 Dispose of the spray canister
▶ Dispose of the spray can in empty condition.

Note
Waste code according to the European waste catalogue: 15 01 04 - metals, packaging, empty.

See also:
Safety data sheet QUATTROcare Plus Spray.
5 Operation

5.1 Control panel

① LED spray can control
② LED control light main switch (on/off)
③ LED display
④ Start button for chuck service
⑤ Start button for service procedure

5.2 Open the front flap

Note

**Objects on or in the front door.**
Placing objects on or in the front door can damage the unit.
- Do not place any objects on or in the front door.
- Grasp the recesses on the left and right of the front door. Pull forward and fold down to open it.
5.3 Mounting instruments

Note
Remove the handpieces from the unit as soon as the servicing is completed.

Note
The LED display shows the following:
Adaptor on the far left corresponds to LED display 1.
Adaptor on the far right corresponds to LED display 4.

Note
Not every adaptor has to be used.

Note
Heads of the "22" series cannot be serviced because their necks are too thin. These heads must be serviced together with the corresponding shanks.

▶ Mount turbines on the MULTIflex service coupling (service coupling on the far right ①) and lock them into place.

▶ Mount straight and contra-angle handpieces on the INTRAmatic service coupling (service coupling on the far left ①, second from the left ② or third from the left ③) and lock them into place. Working with LUX handpieces, make sure the latch is in the correct position.

▶ Mount heads on the service coupling for INTRA heads (for Special accessories, see chapter on "Consumables and tools"). Push back the locking sleeve ① and snap it into place.
When installing the service coupling for INTRA heads, make sure to push the actuating sleeve (for Special accessories, see chapter on "Consumables and tools") onto the associated flap to ensure proper servicing.

Push the front door upwards and close it.

5.4 Start the treatment

Note
The LED of the spray canister control lighting up indicates that the spray can is empty.

When the main switch is on, the LED lights up.
- Press the start key.

The automatic servicing process starts.

Note
The automatic servicing time per handpiece is 15-40 seconds depending on the set blow-out time.

After the servicing process is completed, the LEDs of the couplings in use light up and an acoustic signal is emitted.
The LEDs continue to be lit until the front door is opened. The service procedure is now completed.
- Open the front door.
5 Operation | 5.5 Remove the instruments

See also:
5.2 Open the front flap, Page 23
The LED display ☑️ is turned off.

5.5 Remove the instruments

Note
The exterior of handpieces needs to be wiped off thoroughly with a soft absorbent cloth before removing them.

- Pull the turbine in the axial direction of the service coupling, and take it off.

- Press on the latch with a thumb and take the straight or contra-angle handpiece off by simultaneously pulling in the direction of the axis of the service coupling.

- Push back the locking sleeve and take off the head.

5.6 Reposition the treatment couplings

Note
The MULTIflex coupling must always be positioned on servicing station 4 (far right).

Note
Couplings with a 4-hole standard connector for third-party products can also be mounted. See chapter on "Consumables and tools".
The unit is configured as follows at the time of delivery:
- 3 x service couplings for INTRAmatic
- 1 x service coupling for MULTIflex

▶ Unscrew the union nut clockwise in the direction of the arrow, and take the service coupling off.

▶ Attach the service coupling as selected and fasten it turning the union nut counterclockwise against the direction of the arrow.

5.7 Chuck Servicing

Note
Handpieces must be taken off the service couplings before the chuck service can be started and performed.

Note
Please cover the head region of the handpiece with a paper tissue to prevent any contamination of the ambient area during chuck service.

▶ Close the front door and press the chuck service button ② for at least three seconds until the spray canister control LED ① flashes three times consecutively.

⇒ The device is in chuck service mode.
A holder for accommodating the chuck service adaptor is provided in the side door. The service adaptor is included in the accessories package at the time of delivery.

- Take the chuck service coupling out and attach it to coupling service point 4 (on the far right). A MULTIflex adaptor must be mounted on the coupling.

- Press the handpiece, with the chuck to be serviced leading, against the tip of the chuck service coupling.

**Note**

If this is done with insufficient pressure, there is a risk of the chuck service adaptor being pushed off the service coupling during the servicing and of the servicing agent leaking.

- Press the chuck service button ②.
  - The spray is then briefly injected through the chuck, completing the service.

Quit the chuck service mode:

- Place the handpieces in the QUATTROcare PLUS 2124 A, close the front door and start the service procedure.
- Alternatively, after three minutes with no service procedure running, the device automatically switches back to normal service mode.
5.8 Set the blow-out time

With the QUATTROcare PLUS 2124 A the blow-out time for straight and contra-angle handpieces and turbines can be changed.

▶ Hold down the start key.
▶ Turn the main switch on.

LEDs 1 to 4 of the LED display light up one after the other.

The blow-out time is as follows for:
- LED 1: 15 seconds
- LED 2: 20 seconds
- LED 3: 30 seconds
- LED 4: 40 seconds

▶ Release the start key for the desired blow-out time.

An acoustical signal is emitted if a blow-out time was set on the unit.
6 Maintenance

6.1 Cleaning

⚠️ CAUTION

Hazard from liquid inside the device.
Liquid inside the unit can cause malfunction of the unit.
- When cleaning, make sure that no liquid enters the device.

Note
Do not use solvents or aggressive chemicals for cleaning as these may cause damage to the unit.
- Wipe down all external and internal surfaces of the unit using a soft cloth and mild liquid cleanser.

- Remove and clean the collecting pan ①.

The collecting pan ① can be washed in the dishwasher and in the thermodisinfector:
- Temperature: max. 95°C (203°F)
- Time: max. 60 minutes
- Insert the collecting pan ① after cleaning. Make sure that the collecting pan properly locks into place.

6.2 Safety checks ("STK")

The QUATTROcare PLUS 2124 A must be subjected to a service check including safety check ("STK") every 5 years. The safety check may only be done by a professional trained by KaVo or in a shop trained by KaVo.
Perform the safety check as described in the KaVo technician's instructions.
7 Troubleshooting

Note
Heads of the "22" series cannot be serviced because their necks are too thin. These heads must be serviced together with the corresponding shanks.

<table>
<thead>
<tr>
<th>Malfunction</th>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>The red LED ① flashes. Signal sound is emitted.</td>
<td>Spray can is not properly inserted. Spray can is empty.</td>
<td>Insert spray can properly. Insert different spray can. See also: 2 Chapter &quot;Removing a spray can&quot;</td>
</tr>
<tr>
<td>The red LED ① flashes during the service cycle.</td>
<td>The bridging function is activated.</td>
<td>Insert original KaVospray canister. Notify the KaVo Service Team.</td>
</tr>
<tr>
<td>Flashing LED light ② is on.</td>
<td>Bar code is not detected or cannot be read.</td>
<td>Insert original KaVospray canister. Notify the KaVo Service Team.</td>
</tr>
<tr>
<td>Green LEDs ② flash. Signal sound is emitted.</td>
<td>Front door was opened prematurely. The handpiece fell off the adaptor during the service.</td>
<td>Wait for the service procedure to be completed and an audio signal to be emitted. Properly mount the handpiece. Repeat the service procedure.</td>
</tr>
<tr>
<td>Oil leaks from the handpiece after servicing.</td>
<td>The set blow-out time is too short.</td>
<td>Set a longer blow-out time. See also: 2 Chapter &quot;Setting the blow-out time&quot;</td>
</tr>
<tr>
<td>LED ② 1 and 3 flash in alternating manner with 2 and 4. A signal is emitted.</td>
<td>Fan is blocked or defective.</td>
<td>Replace the fan. Notify the KaVo Service Team.</td>
</tr>
</tbody>
</table>
## 8 Tools and consumables

<table>
<thead>
<tr>
<th>Presentation</th>
<th>Material summary</th>
<th>Mat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Service coupling INTRAmatic</td>
<td>1.009.6143</td>
</tr>
<tr>
<td></td>
<td>Service coupling MULTIflex</td>
<td>1.009.6142</td>
</tr>
<tr>
<td></td>
<td>Service coupling for INTRA heads includes actuating sleeve</td>
<td>0.411.7941</td>
</tr>
<tr>
<td></td>
<td>Service coupling COMFORTdrive</td>
<td>1.005.1707</td>
</tr>
<tr>
<td></td>
<td>Service coupling BORDEN 2-hole</td>
<td>1.002.1217</td>
</tr>
<tr>
<td></td>
<td>O-ring INTRAmatic</td>
<td>0.200.6089</td>
</tr>
<tr>
<td></td>
<td>O-ring MULTIflex</td>
<td>0.200.6098</td>
</tr>
<tr>
<td></td>
<td>O-ring MULTIflex</td>
<td>0.200.6177</td>
</tr>
<tr>
<td></td>
<td>Seal for service coupling for INTRAmatic, MULTIflex or heads</td>
<td>0.553.1872</td>
</tr>
<tr>
<td></td>
<td>Actuating sleeve</td>
<td>0.411.5532</td>
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<tr>
<td></td>
<td>Service coupling chuck</td>
<td>0.411.7603</td>
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<tr>
<td></td>
<td>Service adaptor SIRONA Straight and contra-angle handpieces</td>
<td>1.000.1003</td>
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<td></td>
<td>Service coupling SIRONA T1 Turbines</td>
<td>1.000.7156</td>
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<tr>
<td></td>
<td>Service coupling YOSHIDA Turbines with light</td>
<td>1.000.7403</td>
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<tr>
<td></td>
<td>Service coupling YOSHIDA Turbines without light</td>
<td>1.000.7585</td>
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<tr>
<td></td>
<td>Service coupling MIDWEST High Speed</td>
<td>1.008.2083</td>
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<tr>
<td>Presentation</td>
<td>Material summary</td>
<td>Mat. No.</td>
</tr>
<tr>
<td>--------------</td>
<td>------------------------------------------------------</td>
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</tr>
<tr>
<td></td>
<td>Service coupling MIDWEST Low Speed</td>
<td>1.000.8459</td>
</tr>
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<td></td>
<td>Service coupling NSK Turbines</td>
<td>1.000.8786</td>
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<td>Service coupling OSADA Turbines</td>
<td>1.000.8858</td>
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<td></td>
<td>Service coupling MORITA Turbines</td>
<td>1.000.6063</td>
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<td></td>
<td>Service coupling BIEN-AIR</td>
<td>1.001.7860</td>
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<td>Service coupling W&amp;H</td>
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</tbody>
</table>

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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>QUATTROcare Plus Spray canister 2140 P (pack of 6 cans)</td>
<td>1.005.4525</td>
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</table>

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<tr>
<th>Presentation</th>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Power cable</td>
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<td>Power cable Switzerland</td>
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<td></td>
<td>Power cable USA/Canada/Japan</td>
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<td></td>
<td>Power cable United Kingdom</td>
<td>0.692.6901</td>
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<td></td>
<td>Power cable Australia</td>
<td>0.692.6851</td>
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<td></td>
<td>Power cable China</td>
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</table>
9 Terms and conditions of warranty

KaVo grants the end customer a warranty concerning the proper function of the product and absence of defects related to the material or workmanship for a period of 12 months from the purchasing date, subject to the following conditions:

Upon justified complaints of flaws or a short delivery, KaVo will make good its warranty by replacing the product free of cost or repairing it according to the customer's wishes. Other claims of any nature whatsoever, in particular with respect to compensation, are excluded. In the event of default and gross negligence or intent, this shall only apply in the absence of mandatory legal regulations to the contrary.

KaVo cannot be held liable for defects and their consequences due to natural wear, improper cleaning or maintenance, non-compliance with operating, maintenance or connection instructions, calcination or corrosion, contaminated air or water supplies or chemical or electrical factors deemed abnormal or impermissible in accordance with factory specifications.

As a matter of principle, the warranty does not extend to lamps, glassware, rubber parts and the colourfastness of plastics.

Defects or their consequences that can be attributed to interventions on or changes made to the product by the customer or a third party are excluded from the warranty.