Instructions for use

SONICflex 2003 – 1.000.4246
SONICflex LUX 2003 L – 1.000.4243

KAVO
Dental Excellence

Distributed by:
KaVo Dental GmbH
Bismarckring 39
88400 Biberach
Germany
Phone +49 7351 56-0
Fax +49 7351 56-1488

Manufacturer:
KaVo Dental GmbH
Bismarckring 39
88400 Biberach
Germany
www.kavo.com

CE 0124

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1 User instructions

Dear user,
Congratulations on purchasing this KaVo quality product. By following the notes below you will be able to work smoothly, economically and safely.

KaVo Original Factory Repair

In the event of a repair, please ship your product to the KaVo Original Factory Repair using www.kavobox.com.

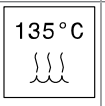
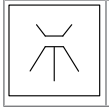
KaVo Technical service
If you have any technical questions or complaints, please contact the KaVo Technical service:
+49 (0) 7351 56-1000
service.instrumente@kavo.com

Target group

The instructions for use are intended for medical professionals, in particular dentists and dental practice personnel.

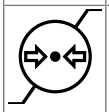
The section on startup is also intended for the service staff.

General marks and symbols

	See chapter on user instructions/hazard levels
	Important information for users and service technicians
▶	Action request
CE	CE- mark (European Community). A product bearing this mark meets the requirements of the applicable EC directives.
	Sterilisable by steam
	Thermodisinfectable

Information on the packaging

REF	Material number

	Serial number
	Manufacturer
	Manufacturing date
	Note: Please note accompanying documents
	Follow the electronic instructions for use
	HIBC Code
	UDI symbol
	CE mark for medical devices
	Medical device, labelling of medical devices
	Transportation and storage conditions (temperature range)
	Transportation and storage conditions (air pressure)
	Transportation and storage conditions (Humidity)
	Protect from moisture (Keep dry)
	Protect from impact
	Do not dispose of with household waste
	Original language German

Hazard levels

The warning and safety notes in this document must be observed to prevent personal injury and material damage. The warning notes are designated as shown below:

⚠ HAZARD

In cases which – if not prevented – directly lead to death or severe injury.

⚠ WARNING

In cases which – if not prevented – can lead to death or severe injury.

⚠ CAUTION

In cases which – if not prevented – can lead to minor or moderate injury.

CAUTION

In cases which – if not prevented – can lead to material damage.

2 Safety

NOTE
All serious events occurring in relation to the product must be reported to the manufacturer and the competent authority of the member state, in which the user and/or patient resides.

The instructions for use are an integral part of the product and must be read carefully prior to use and must be accessible at all times.
The device may only be used in accordance with the intended use, any other type of use is not permitted.

Individual warning notes must be observed in the corresponding chapters.

2.1 Infection hazard

Patients, users or third parties could be infected by contaminated medical devices.

- Take suitable personal protective measures.
- Follow the instructions for use of the components.
- Before initial startup and after each use, reprocess the product and accessories appropriately.
- Carry out the reprocessing as described in the instructions for use. The procedure has been validated by the manufacturer.
- If you deviate from this validated procedure, make sure that the reprocessing procedure is effective.
- Reprocess the product and accessories appropriately before disposal.
- In the case of injury to soft tissue, do not continue treatment in the oral cavity with instruments driven by compressed air.
- Place the torque wrench on the tip when the handpiece is in its holder.

2.2 Technical condition

A damaged product or damaged or NOT KaVo original components could injure patients, users or third parties.

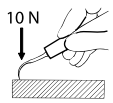
- Only operate devices or components if they show no signs of damage on the outside.
- Check to make sure that the device is working properly and is in satisfactory condition before each use.

Using the product at improper or excessive power settings can lead to tip breakage and ensuing injury.

- Do not select improper or excessive power settings.
- Check the tip for secure attachment before treatment.

Fracture may occur as a result of continuous stress or damage (dropped to the floor or mechanical change of the original shape).

- Before each use, check the operational safety of the tips by gently pressing on them with your thumb or forefinger.



- In addition, expose the tips to approx. 10 N (1 kg) mechanical load without function.

Worn tips can fracture or be contaminated and thus cause injury or infection.

- Due to the natural wear and tear of consumables, there is no warranty on SONICflex tips. Exchange tips every 9-12 months.
- Observe the tip wear and tear measuring card.
- Have parts with sites of breakage or surface changes checked by the service personnel.
- Safety checks may only be performed by trained service personnel.

- If the following defects occur, stop working and have the service personnel carry out repair work:
  - Malfunctions
  - Damage
  - Irregular running noise
  - Excessive vibration
  - Overheating
  - Tip is not seated firmly in the handpiece

To ensure optimum function and to prevent property damage, please comply with the following instructions:

- The device should be reprocessed and stored in a dry location, according to instructions, if it is not to be used for an extended period of time.
- Service the medical device regularly with care products and systems as described in the instructions for use.

2.3 Accessories and combination with other equipment

Use of non-authorised accessories or non-authorised modifications of the device could lead to injury.

- Only use accessories that have been approved for combination with the product by the manufacturer.
- Do not make any modifications to the device unless these have been approved by the manufacturer of the product.
- Use original KaVo spare parts only.
- Use the original SONICflex tips.

2.4 Qualification of personnel

Application of the product by users without the appropriate medical training could injure patients, users or third parties.

- Make sure that the user has read and fully comprehends the instructions for use.
- Make sure that the user has read and comprehends the national and regional regulations.
- The device may be used only if the user has completed the appropriate medical training.
- Observe national and regional regulations.

2.5 Service and repair

Repairs, servicing and safety checks may only be performed by trained service personnel. The following persons are authorised to do this:

- Service technicians of KaVo branches after the appropriate product training
- Service technicians of KaVo authorised dealers after the appropriate product training

Observe all the following items during servicing work:

- Have the service and testing tasks carried out according to the Medical Device Operator Ordinance.
- After servicing, interventions on and repairs of the device and before re-use, have the service personnel perform safety checks on the device.
- KaVo recommends specifying in-house service intervals where the medical device is brought to a professional shop for cleaning, servicing and a function check. Define the service interval depending on the frequency of use.

As a result of the use of NON-KaVo original spare parts during the repair, parts may become detached and injure patients, users or third parties. This may result in aspiration, swallowing of parts and possibly even a risk of suffocation.

- Only use spare parts that comply with the specification for repair; original manufacturer spare parts comply with the specification.

NOTE

If a repair is done with NON-KaVo original spare parts, this may constitute a product modification that leads to the loss of CE conformity. In the event of damage, the responsibility is with the service company or the operator.

The introduction of a modified product in the market, in which the reasonable suspicion exists to endanger the safety and health of patients or users, is prohibited by MPG (in English medical device law) §4, section 1 No. 1 and therefore requires its own conformity check.

2.6 Protective equipment

Working with sharp or pointed products can lead to injuries or infections.

- Use a glove or finger guard when you test, insert and remove the tips.

KaVo recommends always working with a rubber dam and a dust extraction system.

3 Description of the product

3.1 Intended use

Indications for use:

This medical device is

- Intended for dental treatment only. All other types of use of or modifications to the product are not permitted and can be hazardous.
- A medical device according to relevant national statutory regulations.

The SONICflex dental handpiece can be used in combination with the SONICflex tips for

- calculus removal
- Prophylaxis
- Endodontics
- Periodontics
- Surgery
- in conservative dentistry

Proper use:

According to these regulations, this product may only be used for the described application by a properly trained user. You need to comply with the following:

- the applicable health and safety regulations
- the applicable accident prevention regulations
- these Instructions for use

According to these regulations, the user is required:

- exclusive use of equipment that is operating correctly.
- compliance with the specified intended use.
- Protect themselves, patients and third parties from danger.
- Contamination by the product must be avoided.

3.2 SONICflex 2003/ 2003 L

SONICflex 2003 (**Mat. no. 1.000.4246**)

SONICflex LUX 2003 L (**Mat. no. 1.000.4243**)

The SONICflex is a dental handpiece in accordance with DIN EN ISO 18397.

The vibrations are generated by a rotating steel sleeve. In combination with the different KaVo tips, an oscillating elliptical tip motion is generated for the respective application. The internal water cooling (spray cooling) prevents the treatment site from heating up, and keeps the treatment surface clean.

The amount of water needs to be set on the dental unit so that the instrument tip sprays the water with the proper oscillating intensity.

Recommendation for use of scaler and paro tips

It is important to remove all the plaque to ensure satisfactory oral hygiene and thorough periodontological treatment. The vibration cleaning of the SONICflex is gentle, fast and easy to use. Using the neighbouring tooth for support makes the technique easier and offers safe guidance. The instrument must be guided back-and-forth easily, gently and quickly. The instrument is placed on the side of the tooth and guided parallel to the tooth. The instrument should be moved parallel to the surface of the tooth, and not with the edge, to prevent forming notches in the tooth substance.

3.3 Technical Specifications

Drive pressure	2.5 - 3.5 bar (36-51 psi)
Return air pressure	< 0.4 bar (6 psi)
Spray air pressure	max. 2 bar (29 psi) Spray air not required, however.
Water pressure	1.0 - 2.0 bar (15 - 29 psi)
Air consumption	20 - 40 NL/min
Water quantity	20 – 50 ml/min
Frequency	5 - 6.5* kHz
Recommended application force	0.1 – 2 N

*depending on the tip used (with the exception of Endo Clean needles and the Clean brush no. 2)

Can be attached to all MULTIflex (LUX) / MULTIflex LED couplings.

⚠ CAUTION

At the recommended air pressure, the vibration of the tip may exceed the maximum deflection of 200 µm.

Risk of injury to the patient.

- Be cautious when you treat your patients.

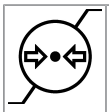
3.4 Transportation and storage conditions

CAUTION

Startup after refrigerated storage.
Malfunction.

- Prior to startup, strongly refrigerated products must be allowed to warm up to a temperature of 20 °C to 25 °C (68 °F to 77 °F).

	Temperature: -29 °C to +50 °C (-20 °F to +122 °F)
	Relative humidity: 5% RH to 85% RH absence of condensation

	Air pressure: 700 hPa to 1060 hPa (10 psi to 15 psi)
	Protect from moisture (Keep dry)

4 Startup and shut down

⚠ WARNING

Hazard from contaminated products.

Patients, users or third parties could be infected by contaminated medical devices.

- Prior to initial startup and after each use, reprocess the product and accessories.

⚠ WARNING

Dispose of the product in appropriate manner.

Patients, users or third parties could be infected by contaminated medical devices.

- Reprocess the product and accessories before disposal.

Reprocessing steps in accordance with ISO 17664

Current packaging law

Dispose of and recycle the packaging appropriately in accordance with current packaging law, employing waste management / recycling companies. Comply with the comprehensive return system. KaVo has had its packaging licensed for this purpose. Please comply with the regional public waste-disposal system.

CAUTION

Damage from soiled and moist cooling air/compressed air.
Contaminated and moist cooling air can cause malfunctions.

- Make sure that the supply of cooling air is dry, clean and uncontaminated according to DIN EN ISO 7494-2.

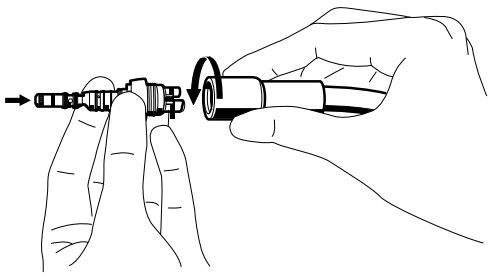
4.1 Installing the MULTIflex coupling

⚠ WARNING

Detaching the medical device during treatment.

A medical device that is not properly locked can detach from the coupling during treatment.

- Before each use, check if the medical device is securely locked onto the coupling.



- Screw the MULTIflex coupling onto the turbine hose and tighten it with the wrench (**KaVo Mat. no. 0.411.1563**).

4.2 Checking the pressures

CAUTION

Damage from soiled and moist cooling air/compressed air.
Contaminated and moist cooling air can cause malfunctions.

- Make sure that the supply of cooling air is dry, clean and uncontaminated according to DIN EN ISO 7494-2.

4.3 Check O-rings of the MULTIflex coupling

CAUTION

Missing or damaged O-rings.
Malfunction and premature failure.

- Make sure that all O-rings are on the coupling and are undamaged.

Number of available O-rings: 5

4.4 Checking the amount of water

⚠ CAUTION

Overheating of the tooth due to insufficient amount of cooling water.

Insufficient spray water can cause the medical device to overheat and damage the pulp and tooth.

- Adjust the water amount for the spray cooling to a minimum of 20 ml/min.

- Rotate the spray ring on the MULTIflex (LUX) / MULTIflex LED coupling in order to regulate the water supply.
- Open the water supply all the way using the spray ring on the MULTIflex coupling.
  - ⇨ The water volume can be regulated by selecting one of various stop positions.
- Turn the spray ring clockwise to reduce the water volume.
- Turn the spray ring anticlockwise to increase the water volume.

5 Operation

5.1 Attaching the medical device

CAUTION

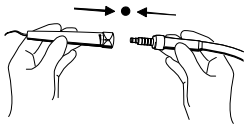
Inexact coupling.
Reduces the service life of the lamp.
- Avoid inexact coupling.
- Check the secure fit of the (LUX) handpieces on the coupling by pulling on them.

⚠ WARNING

Detachment of the SONICflex during treatment.

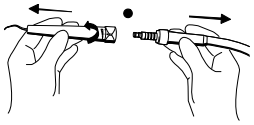
If the SONICflex has not properly engaged, it can detach during treatment and lead to injury.

- Before every treatment, pull on the SONICflex to see if it is securely seated in the coupling.



- Attach the SONICflex accurately to the MULTIflex coupling and push it backward until you hear it snap in.
- Pull on the SONICflex plus to check its secure seating on the MULTIflex coupling.

5.2 Removing the medical device



- Grasp the MULTIflex coupling, and pull the SONICflex plus forward while twisting it slightly.

5.3 Inserting the SONICflex tips

Only tips with long threads are suitable for SONICflex 2003 dental handpieces.

⚠ WARNING

Tip falls off during the treatment.

Unless the tip has been screwed in properly, it can become detached during the treatment and lead to injuries.

Aspiration, swallowing of parts and danger of suffocation.

- Use the original SONICflex torque wrench.
- Use the original SONICflex tips.
- SONICflex Screw in tips until a click is audible.

⚠ CAUTION

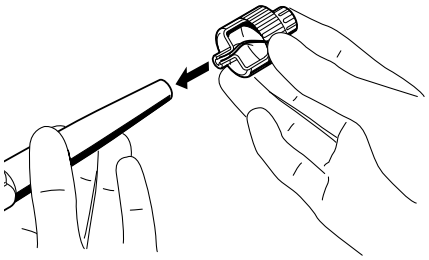
Tip incorrectly inserted in the torque wrench.

Danger of injury to the user.

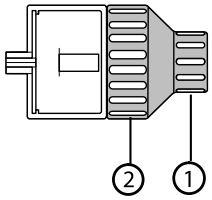
- When inserting the tip into the torque wrench, make sure that the end of the tip always faces the recess of the torque wrench.

The torque wrench is used for changing the working tips of the SONICflex and protection against injuries.

- Insert the desired tip with the tip end pointing down into the torque wrench and screw it into the handpiece by turning it clockwise.



- Use the thin region of the handle ① for insertion.
- Use the thick region of the handle ② for tightening or detachment.



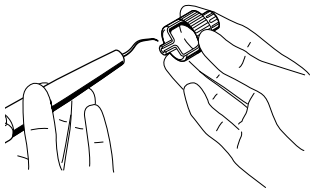
NOTE
The tip is properly tightened when the torque wrench "skips".

NOTE
When the SONICflex is placed on a support, the torque wrench should be placed on the tip for safety reasons as protection against injuries.

NOTE
It is imperative to use only the enclosed torque wrench for attachment of the tips on the handpiece with the appropriate torque. It ensures installation in accordance with the pertinent specifications, orderly storage of the tips, and provides protection against injury or contamination.

5.4 Removing the SONICflex tip

- Place the torque wrench on the SONICflex tip and unscrew it in counter-clockwise direction.



5.5 Setting the power on the SONICflex

CAUTION

Improper or excessive power setting.
Tip fracture and malfunction.
- It is essential to follow instructions for use with regard to the recommended settings for KaVo SONICflex tips.

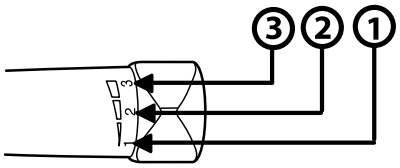
⚠ CAUTION

Hazard from damage to the enamel.

Any use of level 3 is associated with the risk of damage to the enamel and premature tip breakage.

- When using level 3, compliance with the recommended settings for each tip is mandatory.

- Set the power level on the control ring of the SONICflex.



6 Reprocessing steps in accordance with ISO 17664-1 / ISO 17664-2

NOTE
The following reprocessing procedure applies to SONICflex instrument and torque wrench.

⚠ WARNING

Hazard from contaminated products.

Patients, users or third parties could be infected by contaminated medical devices.

- Replace the torque wrench after 250 reprocessing cycles.

6.1 Preparations at the site of use

⚠ WARNING

Hazard from contaminated products.

Patients, users or third parties could be infected by contaminated medical devices.

- Take suitable personal protective measures.

⚠ WARNING

Sharp tip in the medical device.

Danger of injury from sharp tip.

- Rev´move tip.

- To minimise the risk of infection during reprocessing, always wear protective gloves.
- Reprocess the medical device right after treatment.
- Remove all residual cement, composite or blood immediately.
- Wipe down the medical device with disinfectant prior to transport.
- Remove the tip from the medical device.
- Do not place in solutions or similar substances.

CAUTION

Never reprocess the medical device with chloride-containing products.
Malfunction and material damage.

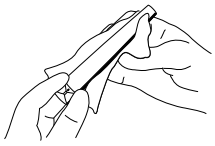
- Reprocess it in a washer disinfector only.

KaVo recommends the following products based on the compatibility of the materials. The microbiological efficacy must be ensured by the disinfectant manufacturer and proven by an expert opinion.

- CaviWipes and CaviCide made by Metrex
- Mikrozid AF made by Schülke & Mayr (Liquid or wipes)
- FD 322 made by Dürr

Consumables required:

- Cloths for wiping the medical device.



- Spray the disinfectant on a cloth, then wipe down the medical device and allow the disinfectant to act according to the instructions of the disinfectant manufacturer.
- Follow the instructions for use of the disinfectant.

6.2 Manual reprocessing

⚠ WARNING

Incomplete disinfection.

Patients, users or third parties could be infected by contaminated medical devices.

- Only use disinfection procedures that are verified to be bactericidal, fungicidal and virucidal.
- If the disinfectants/disinfection procedures fail to meet the mandatory national requirements, perform a final sterilisation with the sterilisation parameters as described.

⚠ WARNING

Sharp dental tool in the medical device.

Injury hazard from sharp and/or pointed dental tool.

- Remove the dental tool.

CAUTION

Never reprocess the medical device with chloride-containing products.
Malfunction and material damage.

- Reprocess in a washer disinfector or by hand only.

CAUTION

Never reprocess this medical device in an ultrasonic cleaner.
Malfunction and material damage.

- Reprocess in a washer disinfector or by hand only.

6.2.1 Manual pre-cleaning

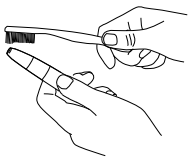
- Rinse the instrument for 20 seconds with process water on the treatment centre.

6.2.2 Manual internal and external cleaning and internal and external disinfection

Manual cleaning

Accessories required:

- Tap water (drinking water)
- Brush, e.g. medium-hard toothbrush



- Brush off under flowing tap water at least 10 seconds.

Cleaning with KaVo CLEANspray (internal and external)

Carry out non-protein-fixing internal cleaning with a CLEANspray and external cleaning with a cloth soaked with CLEANspray:

- Attach fitting adapter to the CLEANspray can.
- Attach instrument with the drive side to the adapter.
- Rinse through the instrument for at least 3 x 2 seconds (solution must flow out visibly).
- Take the instrument from the adapter and set it down.
- Spray the surface of the instrument with CLEANspray until the entire surface is wet.
- Allow the cleaning agent to act for 1 minute.

Manual disinfection

Disinfection with WL-cid from Alpro (internal + external)

Carry out internal disinfection with WL-cid and external disinfection using a cloth soaked in WL-cid:

- Attach fitting adapter to the WL-cid can.
- Attach instrument with the drive side to the adapter.
- Rinse through the instrument for at least 2 x 3 seconds (solution must flow out visibly).
- Take the instrument from the adapter and set it down.
- Spray the surface of the instrument with WL-cid until the entire surface is wet.
- Allow the disinfectant to act for 5 minutes.

6.2.3 Manual drying

Use KaVo DRYspray for subsequent drying of the air, water and gear unit ducts.

- Cover the medical device with the KaVo Cleanpac bag, and place it on the corresponding care adapter.
- Hold the can vertically.
- Press the spray key for at least 3 seconds.

Also refer to:
Instructions for use KaVo DRYspray

- Immediately after drying, lubricate the KaVo medical device with care agents from the KaVo care system.

Care products and systems - Servicing

6.3 Automated reprocessing

⚠ WARNING

Sharp dental tool in the medical device.

Injury hazard from sharp and/or pointed dental tool.

- Remove the dental tool.

CAUTION

Never reprocess the medical device with chloride-containing products.
Malfunction and material damage.

- Reprocess it in a washer disinfector only.

CAUTION

Never reprocess this medical device in an ultrasonic cleaner.
Malfunction and material damage.

- Reprocess it in a washer disinfector only.

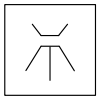
6.3.1 pre-cleaning

Accessories required:

- Tap water (drinking water)
- Brush, e.g. medium-hard toothbrush

- Brush off under flowing tap water at least 10 seconds.

6.3.2 Automated internal and external cleaning and internal and external disinfection



KaVo recommends washer disinfectors in accordance with EN ISO 15883-1, which are operated using alkaline cleaning agents.

The validations were performed using a Miele washer disinfector and the "VARIO-TD" programme and a mild alkaline cleaner made by Dr. Weigert.

In addition, KaVo recommends the use of a rinsing agent.

- For programme settings as well as cleansers and disinfectants, please refer to the Instructions for Use of the washer disinfector.
- For adaptations, unless otherwise specified, refer to the Instructions for Use of the washer disinfector.

6.3.3 Automated drying

The drying procedure is usually part of the cleaning programme of the washer disinfector.

NOTE
Please comply with the instructions for use of the washer disinfector.

- In order not to affect the KaVo medical device, make sure that the product is dry on the inside and outside after completion of the cycle.
- Remove any residual liquids with KaVoDRYspray.

Also refer to:
6.2.3 Manual drying, Page 20

- Immediately after drying, lubricate the KaVo medical device with care agents from the KaVo care system.

6.4 Care products and systems - Servicing

⚠ CAUTION

Improper service and care.

Risk of injury.

- Service regularly with suitable agents.

NOTE
KaVo guarantees the proper function of KaVo products only if the care products listed by KaVo as accessories are used, since these were tested for proper use on our products.

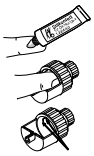
NOTE
In the event of undesirable leakage of oil during the treatment, the technical set-up allows for switching from servicing with oil prior to sterilisation to once weekly servicing.

6.4.1 Servicing the torque wrench

CAUTION

Cleaning in the ultrasonic unit.
Malfunction and material damage.

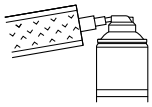
- Do not clean the device in the ultrasonic unit.



If the torque wrench runs roughly, lubricate with silicone grease (**Mat. no. 1.000.6403**).

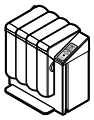
- Press silicone grease into the torque wrench in the slots or grease pockets of the locking springs.
- Then place a small amount of grease, the size of a grain of rice, on your fingertip, and press it into the torque wrench.
- Then rotate the torque wrench and regrease if necessary.

6.4.2 Servicing SONICflex with KaVo Spray



- Remove the tip from the medical device.
- Cover the medical device with the KaVo Cleanpac bag, and place it on the corresponding care adapter.
- Press the spray key for 1 to 2 seconds.
- Service **KaVo SONICflex after every tenth treatment, but at least once a week.**

6.4.3 Servicing SONICflex with KaVo QUATTROcare PLUS



- Remove the tip from the medical device.
- Service the device in the QUATTROcare PLUS.
- Service **KaVo SONICflex after every tenth treatment, but at least once a week.**

Also refer to:
Instructions for use KaVo QUATTROcare PLUS

6.5 Packaging

NOTE
The sterile goods package must be large enough to accommodate the product without stretching the packaging. The quality and use of the packaging of the items to be sterilised must meet the applicable standards and be appropriate for the sterilisation process!

- Seal the medical device separately in a sterile pack.

6.6 Sterilisation

Sterilisation in a steam steriliser (autoclave) in accordance with EN 13060 / EN ISO 17665-1

⚠ CAUTION

Improper service and care.

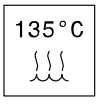
Risk of injury.

- Service regularly with suitable agents.

CAUTION

Contact corrosion due to moisture.
Damage to product.

- Immediately remove the product from the steam steriliser after the sterilisation cycle.



The medical device has a max. temperature resistance of up to 138 °C (280.4 °F).

Sterilisation parameters:

Select a suitable process from the following sterilisation processes (depending on the available steriliser):

- Steriliser with triple pre-vacuum:
  - at least 3 minutes at 134 °C -1 °C / +4 °C (273 °F -1.6 °F / +7.4 °F)
- Steriliser using the gravity method:
  - at least 10 minutes at 134 °C -1 °C / +4 °C (273 °F -1.6 °F / +7.4 °F)
  - at least 30 minutes at 121 °C -1 °C / +4 °C (250 °F -1.6 °F / +7.4 °F)

▸ Remove the medical device from the steam steriliser immediately after the sterilisation cycle is completed.

▸ Use according to the manufacturer's Instructions for Use.

6.7 Storage

Reprocessed products must be stored appropriately protected from dust in a dry, dark and cool space with a low germ level.

NOTE
Comply with the expiry date of the sterilised items.

7 Other products

Available from specialised dental dealers.

Consumables

Material summary	Mat.No.
INTRA Instrument stand	**3.005.5204**
Insert for SONICflex	**3.005.3089**
Cellulose pad 100 units	**0.411.9862**
Torque wrench	**1.000.4887**
Silicon paste	**1.000.6403**
Nozzle needle	**0.410.0921**
Tip wear and tear measuring card	**1.001.6958**

Spray cooling

Material summary	Mat.No.
KaVo CLEANspray 2110 P	**1.007.0579**
KaVo DRYspray 2117 P	**1.007.0580**
CLEANspray/DRYspray Starter set 2116 P consisting of: ▪ 1 bottle of KaVo CLEANspray ▪ 1 bottle of KaVo DRYspray ▪ 1 adapter set INTRA + MULTIflex	**1.007.0573**
Adapter KaVo MULTIflex for KaVo CLEANspray/DRYspray	**1.007.1775**
KaVo Spray 2112 A	**0.411.9640**/ **1.011.5721** (country-specific)
Spray head MULTIflex for KaVo Spray	**0.411.9921**
Cleanpac 10 units	**0.411.9691**
QUATTROcare plus Spray 2140 P	**1.005.4525**/ **1.011.5720** (country-specific)

8 Terms and conditions of warranty

This KaVo medical device is subject to the following warranty conditions:
KaVo grants the end customer a warranty of proper function and guarantees zero defects in respect of material and workmanship for a period of 24 months from the date of the invoice, subject to the following conditions:
With regard to justified complaints KaVo grants warranty in the form of a free of charge repair or delivery of a replacement. Other claims of any kind whatsoever, in particular with respect to compensation, are excluded. In the event of default, gross negligence or intent, this shall only apply insofar as this does not conflict with mandatory statutory provisions.
KaVo shall not be liable for defects and consequences thereof that have arisen or may arise from natural wear, improper handling, cleaning, servicing 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 the KaVo instructions for use or other manufacturer's instructions. The warranty granted does, in general, not extend to lamps, optical fibres made of glass and glass fibres, glassware, rubber parts, and the colourfastness of plastic parts.
Any liability is excluded if defects or the consequences thereof are due to the customer or third parties not authorized by KaVo interfering with or modifying the product.
Warranty claims can only be asserted if proof of sale in the form of a copy of the invoice or delivery note is presented with the product. The dealer, purchase date, type, and serial number must be clearly evident from this document.

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