



# RUCK®

FÜR FUSS UND PFLEGE



## PODOLOGECO

for cosmetic use



## PODOLOGONE

for cosmetic use





### DECLARATION RELATING TO THESE OPERATING INSTRUCTIONS

Hellmut Ruck GmbH reserves all rights to modify and supplement these operating instructions. Hellmut Ruck GmbH has taken great care to keep these instructions free of inaccuracies and omissions. Please contact us if you find mistakes or inaccuracies. However, Hellmut Ruck GmbH assumes no liability for mistakes in these operating instructions or consequential damage resulting from the provision of these operating instructions or their application when using the product.

These operating instructions must not be disseminated or supplemented without the express approval of Hellmut Ruck GmbH.

### SYMBOLS USED



**This symbol identifies a potential point of danger for people or for the device itself. It must be taken note of.**



**This symbol identifies useful advice. Additional information about the product and how to use it is provided here.**

### SCOPE OF DELIVERY

Please take some time to read through these operating instructions carefully before using the PODOLOG ECO / ONE for the first time. Please check that the delivery is complete.

The scope of delivery includes the following items:

PODOLOG ECO / ONE controller

Handpiece with hose and drawer

1 Dust filter bag

1 Set of operating instructions

1 Device logbook

1 Cleaning tool

1 Handpiece holder



### PACKAGING

The packaging has been designed to protect the device while in transit. The materials used have been selected with due regard to environmental issues and with recycling in mind. Please keep the packaging (box, plastic bag, PU foam parts) to use for returning the device in case of any maintenance work.

## PODOLOGECO /// PODOLOGONE



### PODOLOGECO

230 V variant

Item no. 11011

115 V variant

Item no. 11021



### PODOLOGONE

230 V variant

Item no. 11012

115 V variant

Item no. 11022

These operating instructions apply to the foot care systems PODOLOG ECO (item no. 11011) and PODOLOG ONE (item no. 11012), referred to in the descriptions that follow as the PODOLOG ECO / ONE.

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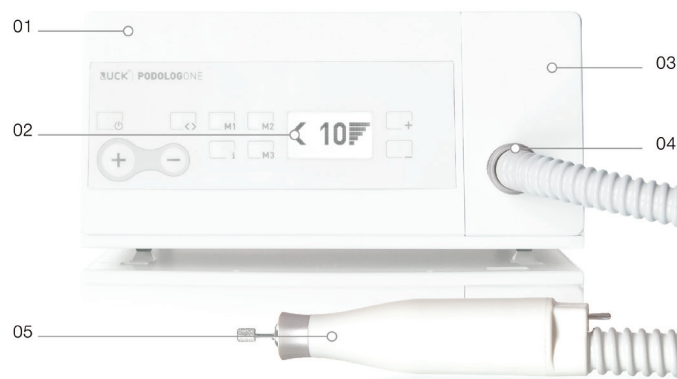
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## 1. DESCRIPTION OF THE DEVICE

### PODOLOGECO

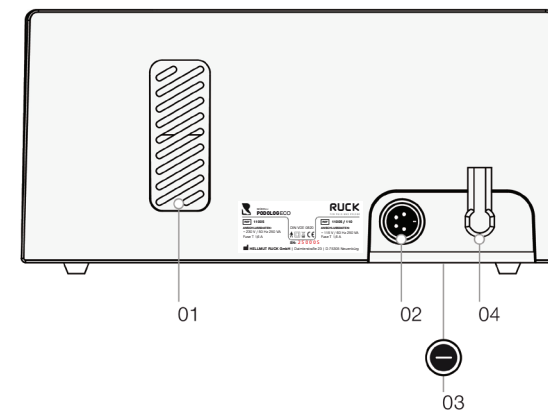


### PODOLOGONE



- 01 Controller
- 02 Display
- 03 Dust filter bag drawer
- 04 Hose connector
- 05 Handpiece

## PODOLOGECO /// PODOLOGONE



- 01 Ventilation slots
- 02 Foot switch connection
- 03 Device lock on base
- 04 Power cable



If the power cable is damaged, the device must be disconnected from the mains and may not be used any more.



A damaged power cable may only be replaced by an authorised specialist.

## 1.2 DISPLAY WARNINGS



"HANDPIECE BLOCKED!" - If the handpiece is blocked, the motor speed and suction turbine are switched off after about 5 seconds. This display message disappears after about 10 seconds, after which the handpiece speed can be reset.



"EXTRACTION OVERHEATING" - If the permissible air temperature in the suction turbine housing is exceeded, the suction turbine and handpiece are switched off. Once the temperature has fallen by around 10 - 15 °C, this display message disappears and the handpiece speed can be reset.

## 1.3 PACKAGING

The packaging has been designed to protect the device while in transit. The packaging materials used have been selected with due regard for environmental issues and can be recycled. Please keep the packaging (box, plastic bag, PU foam parts) to use for returning the device in case of any maintenance work.

## 1.4 RECYCLING

Old equipment must be disposed of as electronic waste and should not be treated as domestic waste. Full dust bags can be disposed of with general rubbish. Please make sure you follow any local guidelines in this respect.



Special country-specific requirements should also be taken into account.

## 2. INTENDED USAGE

The PODOLOG ECO and PODOLOG ONE foot care systems operate rotating tools such as cutters and grinders for the removal of hard skin, calluses, nails, etc. from feet and hands. The device is intended for use in the following fields of activity: Foot care, nail design, cosmetic treatments, wellness.

Any other usage is undertaken at your own risk and could be dangerous. Improper usage of the device can lead to personal and material damage.

The manufacturer cannot be held responsible for any damage caused by improper or incorrect usage of the equipment.

All rights under the terms of the guarantee are rendered null and void by any improper usage or if the device is opened!



No changes or modifications may be made to the device or its accessories. Should a repair be required, the necessary safety checks must be repeated.



The foot care systems must not be used for podiatry/medical purposes.

### 2.1 OPERATOR REQUIREMENTS

The foot care system should only be used by pedicurists, cosmeticians, nail designers and other non-medical professionals, who are aware of how the system operates and have received the necessary training.

### 2.2 OPERATOR AND CLIENT SAFETY

- Only use high-quality rotary tools in accordance with DIN EN ISO1797-1 which have a standardised shaft diameter of 2.35 mm, cylindrical, Type 2.
- Please take note of their instructions for use and the maximum speeds in accordance with the manufacturer's specifications for rotary tools as well as information concerning cleaning, disinfecting and sterilisation. You will find additional information in the current catalogue from HELLMUT RUCK GmbH, in the section "Rotary instruments".
- Operators should not come into contact with the foot controller connection and the client at the same time.

- Operators must wear eye, mouth and nose protectors and gloves while using the equipment.
- During treatment, the operator must ensure that hair or loose items such as towels, tamponades, etc. cannot get into the area of the rotary tools.
- The tools must be disinfected, cleaned and if necessary sterilised after each usage or change of client, in order to avoid the possible transfer of germs from one client to another.  
You will find suitable products in our catalogue under the section "Hygiene".
- All surfaces of the handpiece and equipment that may have become contaminated must be disinfected and cleaned. Under no circumstances should any fluids get into the handpiece as this may cause damage to the device.

### 3. OPERATOR AND CLIENT SAFETY

The likelihood of any person-related risk can be restricted to a very few points by the professional and proper usage of the PODOLOG ECO / ONE.

#### 3.1 OPERATOR REQUIREMENTS

The PODOLOG ECO / ONE foot care system should only be used by podiatrists, pedicurists, cosmeticians, nail designers, doctors or other related professionals, who are aware of how the system operates and have received the necessary training.

#### 3.2 OPERATOR AND CLIENT SAFETY

To protect users, clients and third parties, the following must be observed:

- Only high-quality rotary tools in accordance with DIN EN ISO 1797-1, which have a standardised shaft diameter of 2.35 mm, cylindrical, Type 2, may be used. For the rotary tools used, the manufacturer's instructions relating to maximum speed and preparation (cleaning, disinfection and sterilisation) must be followed. You will find additional information in the current catalogue from HELLMUT RUCK GmbH, in the section "Rotary instruments".
- Operating staff must wear protective goggles and mouth and nose protection while using the equipment. Long hair must be tied back or protected by a hairnet.

- During the treatment, ensure that no objects that could become caught in the rotating parts can enter the treatment area.

### 3.3 POTENTIAL RISKS FOR THE CLIENT

The extraction of potentially pathogenic dust significantly reduces the risks caused by transferable germs (micro-organisms). Regular, complete and accurate anamnesis can help to identify potential risks of infection.

The risk to clients through inhalation is reduced to a minimum and the treatment of clients with low levels of immunity can be responsibly undertaken. Nevertheless, the practitioner should still always wear mouth and nose protectors as well as safety gloves while carrying out the treatment.



If any germ-intensive work has been carried out, disinfected and sterilised tools must be used during the next work process, to treat any unaffected areas of skin or nail.

#### 3.3.1 HAZARDS CAUSED BY REMOVED MATERIAL

The hazard level caused by removed particles (nail splinters or parts of the coarse surface) is low because there is a sufficient distance from the treatment area.

The efficient suction technology of the PODOLOG ECO / ONE minimises the risk of inhaling dust which may potentially contain pathogens. The risk of infection can be further reduced by practising thorough antiseptic skin hygiene prior to the treatment.

#### 3.3.2 ALLERGY RISK

Since the client does not generally come into contact with the surfaces of the PODOLOG ECO / ONE, the only potential cause of an allergic reaction is parts of the rotary tools. However, due to the very short contact times (less than 30 minutes), this risk is minimal.

#### 3.3.3 HAZARDS CAUSED BY MOVING PARTS

High speeds and pressure may cause an undesired level of heat to develop in the treatment area. In the worst case scenario, the affected tissue may be damaged by the heat produced.

Sudden movements by the client or a lack of attention on the part of the user may result in unintentional penetration of the skin. However, if the equipment is used properly and the process is constantly visually monitored, this risk is low.



Warning! Penetration of the skin must be avoided!

### 3.4 POTENTIAL RISKS FOR THE USER

The extraction of potentially pathogenic dust significantly reduces the risks caused by transferable germs (micro-organisms).

Risks to the operator through inhalation are kept to a minimum.



For reasons of hygiene we recommend wearing face/mouth protection.

#### 3.4.1 HAZARDS CAUSED BY REMOVED MATERIAL

Removed particles (nail splinters, parts of the treated surface) and dusts present a hazard due to their proximity to the treatment area. To minimise the risk the user must wear goggles and mouth and nose protection during the treatment.

#### 3.4.2 ALLERGY RISK

It is possible, but extremely unlikely, that allergic reactions to the material of the handpiece may occur. For hygiene reasons we would also recommend that disposable gloves be worn.

#### 3.4.3 HAZARDS CAUSED BY MOVING PARTS

Hair, jewellery and clothing may get caught in rotating parts. To avoid injury, long hair should be tied back or protected by a hairnet. In the interests of hygiene, jewellery should not be worn. The user should wear clothes that cannot get caught in the tool.

## 4. FIRST-TIME USE

### 4.1 TECHNICAL SAFETY

- Before using the device for the first time, you should ensure that the mains power characteristics match the values quoted on the rating plate.
- Make sure the controller is located on a flat, stable surface.
- The ventilation slots in the device must be kept uncovered at all times.
- Avoid damaging the mains cable through squashing, bending or rubbing against sharp edges.
- Don't introduce any fluids into the unit.
- Protect the device from all types of moisture that could find its way inside the housing. There is a danger of electrical shock if there is dampness in the device!
- Switch the device off before maintenance and cleaning and unplug it from the mains power.
- Never immerse the device in water or other fluids.
- Remove the plug from the mains immediately, if the device is damaged or if it starts to function incorrectly.
- Repairs should only be carried out by qualified repair technicians.
- If the device is opened, all rights under the terms of the guarantee are void!
- All tools used must comply with DIN EN ISO 1797-1 in order to guarantee safe operation. Please see also Chapter 2.2, Operator and Client Safety, page 12.
- Do not store the PODOLOG ECO / ONE directly next to or with other devices. Should this be necessary, please make sure that all intended functions of the PODOLOG ECO / ONE work properly.





The use of other equipment than that prescribed may result in increased emissions or reduced immunity to interference.



Risk of strangulation from handpiece hose and power cable. Keep children away from the device.



Risk of swallowing in the case of required accessories (small parts), e.g. cutters. Keep children away from the device.



Use the supplied packaging to protect the device against mechanical damage and damp when transporting it between deployments.



When using the device in domestic premises, there can be a risk resulting from power cables that have been damaged by animals, for example.

Please check the mains power connection regularly for signs of damage and if any are found, disconnect the device from the mains.



When using the device in domestic premises, there can be a risk that the device may be tampered with by children. Keep children away from the device.



Protect the device against pest infestation through regular checks and cleaning.

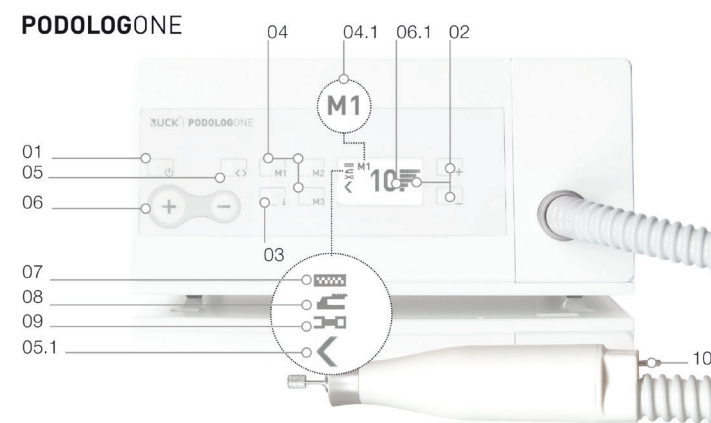


The instructions regarding operation and transport of the device must be adhered to.



Please ensure that you have easy access to the mains plug at all times so that the device can be unplugged from the mains without difficulty. The mains plug represents the separator to the mains power supply.

## 5. OPERATION



01	Standby button	Press this button to activate/deactivate the standby mode
02	Setting for extraction power	Increase [+] or decrease [-] the extraction power. The power level is shown in the display.
03	Info menu [ i ]	Through this menu, you can, for example, activate the handpiece cleaning process or check when the next filter change or service is due. Press and hold the button for 5 seconds to change basic settings, e.g. language.
04	Buttons for saving user settings	Three different combinations of rotational speed, rotation direction and extraction power can be saved. The memory is shown in the display (04.1). [M1] [M2] are needed for the filter change.
05	Right-hand/left-hand	Sets the rotational direction of the tool.
06	Speed controller	This is used to set the rotational speed in steps of 1000 rpm. The current speed is shown in the display (06.1). If the speed controller is removed, all buttons are disabled.
07	Filter bag change	The icon appears as a reminder that a filter bag change is due.
08	Foot switch	The icon appears if an optional foot switch is connected.
09	Service	The icon appears as a reminder that a service is due.
10	On/off switch	Switches the device on/off for treatment

## 5.1 PREPARATIONS FOR OPERATION

- Open the dust filter bag drawer by pulling on the hose connector.
- Please check if the supplied filter bag has been inserted. If this is not the case, connect the bag to the sleeve at the end of the tool hose. Please refer to page 35.
- Close the drawer by sliding it in.
- Switch the device on using the standby button.

 = Standby button on/off



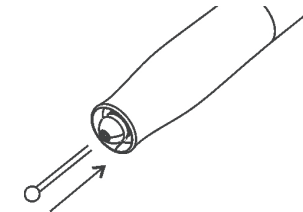
Always work with a dust filter bag fitted.



The filter bag drawer must always be closed when the unit is in operation. The PODOLOG ECO / ONE switches off if the drawer is opened.

### 5.1.1 INSERTING A ROTARY TOOL

Insert the rotary tool (grinder/cutter) that you need for your work in the opening of the handpiece.



The tool only has to be inserted (quick-action chuck).



The tool shaft must be fully inserted!



Ensure that the tool shaft is not bent, as this may cause an imbalance which may damage the handpiece and impair the tool hold.

### 5.1.2 SWITCHING ON THE PODOLOG ECO / ONE

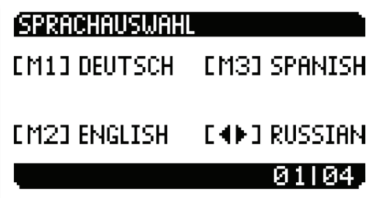
Press the standby button. The PODOLOG ECO / ONE is now switched on and ready to use.

The first time it is switched on, the PODOLOG ECO / ONE is set to your language and your area of activity. Additionally, you can activate the service reminder function so that you are reminded in time when the next service is due. Please refer to Chapter 6, MAINTENANCE AND CLEANING. You are guided through the Start menu, step by step. At the end, confirm your inputs with the [M1] button.

Display message the first time the PODOLOG ECO / ONE is used:



THANK YOU FOR CHOOSING A PODOLOG



LANGUAGE SELECTION

01 / 04

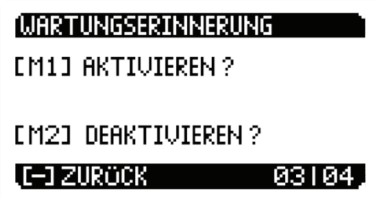


MY FIELD OF ACTIVITY IS:

[M1] FOOTCARE/CHIROPODY  
[M2] NAIL DESIGN

[-] BACK

02 / 04



SERVICE REMINDER

[M1] ACTIVATE  
[M2] DEACTIVATE

[-] BACK

03 / 04

04 / 04



THANK YOU

[-] BACK [M1] DONE



If you want to modify any of the Start menu settings in the future, press and hold the [i] button for 5 seconds.

### 5.1.3 SWITCHING ON THE HANDPIECE

Set the required rotational speed using the speed control knob. The displayed number x 1000 indicates the rpm value. Pick up the handpiece and press the switch at the rear end of the handpiece.

**PODOLOGECO**



**PODOLOGONE**



The motor runs at the set speed and you can start your work.



The speed setting may not exceed the permitted maximum speed of your tool.

### 5.1.4 SWITCHING OFF THE HANDPIECE

While the motor is running, press the switch at the rear end of the handpiece. The motor is switched off and you can pause your work.

### 5.1.5 SWITCHING OFF THE PODOLOG ECO / ONE

Press the standby button. The PODOLOG ECO / ONE is now switched off and goes into standby mode.



Please ensure that you have easy access to the mains plug at all times so that the device can be unplugged from the mains without difficulty. The mains plug represents the separator to the mains power supply.

## 5.2 SETTINGS

### 5.2.1 HANDPIECE MOTOR SPEED

The rotational speed that corresponds to the tool being used is set using the rotational speed knob.

Turn clockwise	– Speed is increased	Max. speed: 25 000 rpm
Turn anti-clockwise	– Speed is reduced	Min. speed: 4000 rpm

For large-surface cutters, the optimum rotation speed is in the range from: 8 000 – 12 000 rpm.

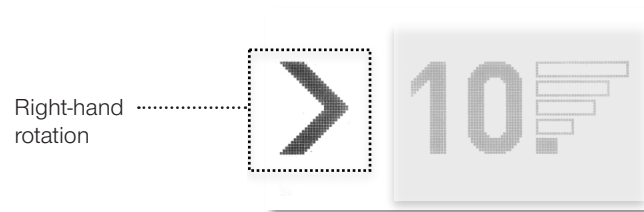


The speed setting may not exceed the permitted maximum speed of your tool.

You will find the maximum permitted rotational speeds for all cutters and grinders in the "Rotary instruments" chapter of the HELLMUT RUCK GmbH Catalogue.

### 5.2.2 RIGHT-HAND / LEFT-HAND DIRECTION OF ROTATION

You can set your tool to right-hand or left-hand rotation depending on which tool you are using and on whether you are right-handed or left-handed.



The arrow shows the direction of rotation.



Arrow to the right – Right-hand rotation



Arrow to the left – Left-hand rotation

### 5.2.3 CHANGING THE ROTATION DIRECTION



The rotation direction can be modified while the machine is running.

Press the arrow button. The set motor speed automatically returns to zero and the rotation direction is changed. The motor starts up again at the previous speed setting.

### 5.2.4 SELECTING THE EXTRACTION POWER LEVEL



You can set the extraction power level to meet the current working requirements.

Repeated pressing of the [ - ] button decreases the extraction power level. Repeated pressing of the [ + ] button increases the extraction power level.

Pressing and holding the corresponding button controls the extraction power level in the desired direction.

There are five extraction power levels.



### 5.2.5 SAVING SETTINGS



To make your work easier, you can save up to three different settings for rotational speed, rotation direction and extraction power. Using the [M1], [M2] and [M3] buttons, you can save and call the required settings.

Set the required rotational speed with the speed control knob. Select right-hand or left-hand rotation direction. Select the extraction power level. Press the corresponding [M1], [M2] or [M3] button for approximately 2 seconds.

"SAVED" appears in the display.

GESPEICHERT

SAVED

With a brief push on [M1], [M2] or [M3], the corresponding saved value is called up.



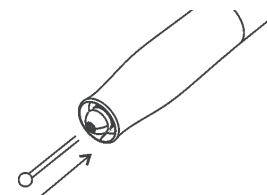
You can change the settings at any time while the machine is in operation.



The speed setting may not exceed the permitted maximum speed of your tool.

### 5.3 CHANGING TOOLS

- Switch off the motor on the handpiece.
- Pull the tool out of the handpiece.
- Insert a different tool into the handpiece's opening.



Tools should only be changed when the handpiece motor has been switched off.

The tool shaft must be fully inserted!

### 5.4 ERGONOMIC HOLDING POSITION OF THE HANDPIECE

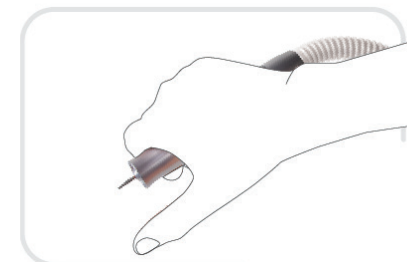
#### 5.4.1 FOUNTAIN PEN GRIP

Fine work can be done ergonomically and accurately using the fountain pen grip.



#### 5.4.2 OVERHAND GRIP

When carrying out surface work, gripping the holder from above and supporting it with the thumb makes for accurate and relaxed working.



## 5.5 INFO MENU



The Info menu offers you the option of calling up the following information and functions. Scroll through the individual menu items with the [ + ] and [ - ] buttons.

### 5.5.1 CHANGING THE FILTER

If you want to change the fine dust filter, you can do this using the Info menu and inform the device at the same time that a new filter has been inserted. You will find an extensive description under Point 6.2.1 CHANGING THE FILTER BAG on page 35.

**FILTERWECHSEL**  
BITTE WECHSELN

[M1] JETZT [M2] SPÄTER

[M1] NOW [M2] LATER

**FILTER**  
WURDE NEUER FILTER  
EINGESETZT ?

[M1] JA [M2] ABBRECHEN

[M1] YES [M2] CANCEL

FILTER CHANGE  
PLEASE CHANGE

[M1] NOW [M2] LATER

FILTER  
HAS A NEW FILTER BEEN  
INSERTED?

## 5.5.2 DISPLAY OF THE NEXT SERVICE DATE

This practical display lets you know when the next service is due for your PODOLOG ECO / ONE:

DEVICE TYPE:	PODOLOG ECO	PODOLOG ONE
Maintenance due after:	2 years or 900 operating hours	2 year or 360 operating hours

**INFOMENÜ** 02/03

NÄCHSTE EMPFOHLENE  
WARTUNG: 01/20..  
ODER NACH ABLAUF VON .....  
BETRIEBSTUNDEN

[+/-]BLÄTTERN [I] HAUPTMENÜ

INFO MENU 02 / 03

NEXT RECOMMENDED  
MAINTENANCE: 01 / 20  
OR AFTER THE EXPIRATION OF .....  
OPERATING HOURS

[+/-] SCROLL [I] MAINMENU

### 5.5.3 ACTIVATION OF THE SERVICE REMINDER

If you activate the service reminder function, your PODOLOG ECO / ONE will let you know when the next service is due. You can activate/deactivate this function through the INFO MENU. The maintenance icon appears in the display after 900 operating hours in the case of the PODOLOG ECO or 360 operating hours in the case of the PODOLOG ONE.

**INFOMENÜ** 03/03

ERINNERUNG AN WARTUNG  
AKTIVIEREN ?

DRÜCKEN SIE BITTE [M1]

[+/-]BLÄTTERN [I] HAUPTMENÜ

INFO MENUE 03 / 03

ACTIVATE SERVICE REMINDER?

PLEASE PRESS [M1]

[+/-] SCROLL [I] MAINMENU

**INFOMENÜ** 03/03

ERINNERUNG AN WARTUNG  
DEAKTIVIEREN ?

DRÜCKEN SIE BITTE [M1]

[+/-]BLÄTTERN [I] HAUPTMENÜ

INFO MENUE 03 / 03

DEACTIVATE SERVICE REMINDER?

PLEASE PRESS [M1]

[+/-] SCROLL [I] MAINMENU



## 6. MAINTENANCE AND CLEANING

### 6.1 MAINTENANCE

The PODOLOG ECO / ONE is largely maintenance-free. The most important aspect of maintenance is the timely changing of the filter. It guarantees a correct suction function.



You should clean the outside of the device and disinfect it if required after each treatment and remove dust particles from the handpiece at least once a day.

You will find suitable products in our catalogue under the section "Cleaning and Disinfection". We recommend using RUCK alcohol-free disinfectant cloths to clean and disinfect the motor unit (item no. 2942801).



Switch the device off before cleaning and unplug it from the mains power!



Return the device for regular maintenance:


HELLMUT RUCK GmbH  
Daimlerstraße 23  
D-75305 Neuenbürg


tel +49 (0) 7082 944 20  
fax +49 (0) 7082 944 22 22  
kontakt@hellmut-ruck.de

### 6.2 CHANGING THE FILTER

A filter change needs to be carried out at the latest after operating the handpiece for 30 hours. The device gives you a reminder through the filter change icon in the display, that the dust filter is due to be changed.

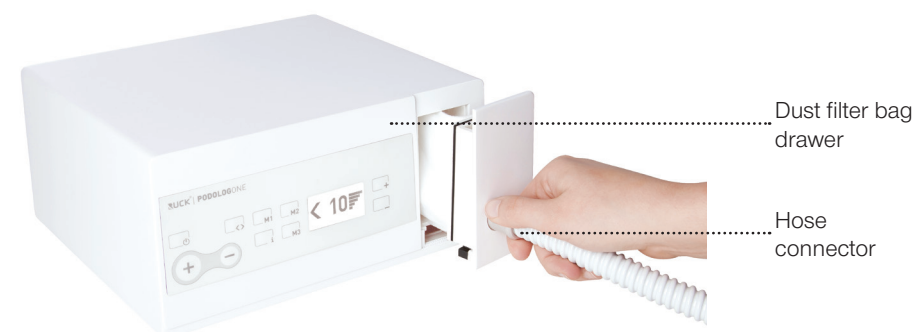
Select:

 = NOW

 = LATER

If you select LATER, the device displays a reminder every 5 hours until the filter change has been carried out.

#### 6.2.1 CHANGING THE DUST FILTER BAG



The device reminds you when the dust filter bag needs to be changed. Nevertheless, we recommend that you check how full the filter bag is once a week. To change the dust filter bag, press the [ i ] button to access the INFO MENU. There, you can scroll with the [ + ] or [ - ] buttons to the Filter change menu item:





FILTER CHANGE  
PLEASE CHANGE



[M1] NOW [M2] LATE

Start the change process with the [M1] button:



FILTER  
HAS A NEW FILTER BEEN INSERTED? "



[M1] YES [M2] CANCEL

Open the dust filter bag drawer by pulling on the hose connector. Hold the filter drawer in such a way that the hose connector still points upwards. Now remove the full bag from the hose sleeve. Close it using the plug supplied for this purpose.

Insert a new bag and locate the opening over the hose sleeve. Close the dust bag drawer.



SAVED

Confirm that the change has been made by pressing the [M1] button, which then returns you to the STANDARD MENU.



The dust filter bag should not be emptied and reused.



Should you use the device for the treatment of artificial nails (nail design, nail prostheses), please take into consideration that the time between filter changes shifts due to the high degree of erosion. A weekly check of the level is necessary to ensure smooth operation. When treating artificial nails please do not forget to protect your eyes, mouth and nose by using a face-mask and goggles!



Once a week, you should check that the dust filter bag drawer is correctly seated and at the same time, you should also check the filling level of the bag. The procedure that you need to follow is detailed above. If necessary, you should replace the dust filter bag.

## 6.2.2 WHERE CAN YOU GET REPLACEMENT DUST FILTER BAGS?

New dust filter bags can be ordered from HELLMUT RUCK GmbH under the item number 1105003.



Please ensure that you only use original dust filter bags from the manufacturer.

## 6.3 CLEANING THE MOTOR UNIT

The handpiece should always be cleaned inside and the sleeve should be disinfected after each use. To do this, the handpiece sleeve can be removed.



The manufacturer's specifications and instructions relating to cleaning and disinfectant products and the corresponding devices must be followed.

### 6.3.1 CLEANING THE MOTOR UNIT



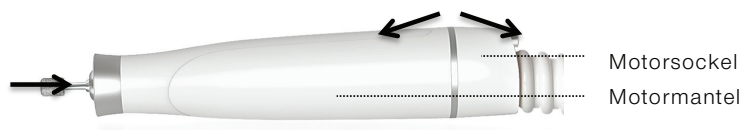
Do not use disinfecting sprays. Dampness could penetrate and lead to bearing damage.



We recommend RUCK alcohol-free disinfectant cloths (item no 2942801) for gentle cleaning and disinfection.

The handpiece can be disassembled for cleaning.

To clean the inside of the grip sleeve, it can be pulled off by gently tilting the motor casing and motor base apart.



This releases the connection with the motor.

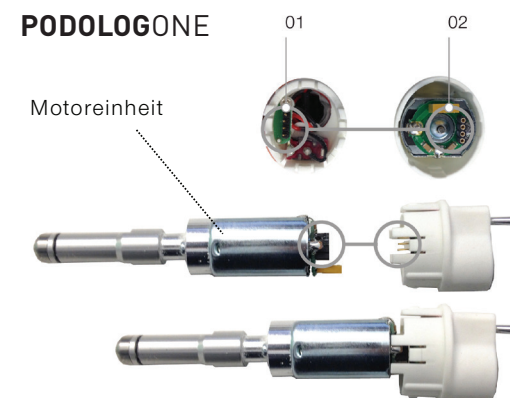
The motor and chuck can then be slid down and out, for example using the drill pin supplied. The inside of the grip sleeve can then be cleaned.

To reassemble the handpiece, align the motor unit with the guide rails on the motor casing. When assembling the motor connection, please attach and slide in the plug connectors (02) carefully to avoid damaging the contact pins (01). Make sure the plug connectors are correctly and symmetrically aligned.

### PODOLOGECO



### PODOLOGONE



Never immerse the handpiece in water or other fluids as this creates a risk of an electric shock.



Do not use disinfecting sprays. Dampness could penetrate and lead to damage to the electronics.



We recommend RUCK alcohol-free disinfectant cloths (item no 2942801) for gentle cleaning and disinfection.

## 6.4 CLEANING AND DISINFECTION

Risk of disease transmission. Insufficient disinfection can result in transmission of disease. Always comply with the requirements of the responsible national body for hygiene and disinfection. Use the RUCK® alcohol-free disinfectant cloths (item no. 2942801) – do not use any spray disinfectants. It must be possible to effectively evaporate surface disinfectants before the next treatment; allow surface disinfectants to thoroughly dry as specified by the manufacturer, but do not wipe surfaces dry.

After every treatment, the outer surfaces of the handpiece and front panel of the controller are wiped down with a suitable surface disinfectant.

When the treatment is completed the handpiece sleeve is removed and all accessible surfaces (inside of handpiece, inside and outside of sleeve) are cleaned and wiped down with disinfectant. The suction hose is also wiped with disinfectant.

To disinfect all parts of the controller and holder, we recommend RUCK alcohol-free disinfectant cloths (item no. 2942801). These can be found in our main catalogue or at [www.hellmut-ruck.de](http://www.hellmut-ruck.de).



Never immerse the device in water or other fluids as this creates a risk of an electric shock.



Do not use disinfecting sprays. Dampness could penetrate and lead to damage to the electronics.



We recommend RUCK alcohol-free disinfectant cloths (item no 2942801) for gentle cleaning and disinfection.

## 7. ACCESSORIES AND SPARE PARTS



Please note! The accessories listed here are only to be used with the PODOLOG ECO / ONE.

Using them with other medical-electrical devices can lead to increased emissions or reduced immunity to interference for the device in question.

### 7.1 TOOLS

You can use all rotary instruments (cutters, grinders, polishers, etc.) in accordance with DIN EN ISO 1797-1 with a standardised shaft diameter of 2.35 mm. You will find a wide range in our catalogue.

### 7.2 DUST FILTER BAGS

You should only use original dust filter bags from the manufacturer Item no. 1105003 Replacement filter for PODOLOG ECO/ PODOLOG ONE, 3 pcs.

## 8. TECHNICAL DATA

PODOLOG ECO	230 V VERSION	115 V VERSION
Controller dimensions (W/D/H) in mm	250/235/120	250/235/120
Weight in g	approx. 2800	approx. 2800
Handpiece dimensions Length in mm	127	127
Weight in g	approx. 110	approx. 110
Voltage Controller	230 V, 50 Hz AC voltage	115 V, 60 Hz AC voltage
Power consumption	max. 250 VA	max. 250 VA
Micromotor voltage	24 V	24 V
Constant load	40 W	40 W
Idling speed (rpm)	25 000	25 000
Airflow at max. power*	approx. 190 l/min.	approx. 190 l/min.
Fuse	T 1.6 A	T 3.15 A
Service due after:	2 years or 900 operating hours	2 years or 900 operating hours

\* The volume flow (l/min.) is measured at the handpiece's air inlet with a calibrated measuring device.

PODOLOG ONE	230 V VERSION	115 V VERSION
Controller dimensions (W/D/H) in mm	250/235/120	250/235/120
Weight in g	approx. 3300	approx. 3300
Handpiece dimensions Length in mm	122	122
Weight in g	approx. 110	approx. 110
Voltage Controller	230 V, 50 Hz AC voltage	115 V, 60 Hz AC voltage
Power consumption	max. 350 VA	max. 350 VA
Micromotor voltage	24 V	24 V
Constant load	40 W	40 W
Idling speed (rpm)	25 000	25 000
Airflow at max. power*	approx. 155 l/min.	approx. 155 l/min.
Fuse	T 2.5 A	T 5 A
Service due after:	2 year or 360 operating hours	2 year or 360 operating hours

\* The volume flow (l/min.) is measured at the handpiece's air inlet with a calibrated measuring device.

We are not aware of any electro-magnetic interactions between the PODOLOG ECO / ONE and any other equipment.

### 8.1 AMBIENT CONDITIONS

AMBIENT TEMPERATURE	
in operation	+10°C to +40°C
in transit and storage	-25 °C (without monitoring of relative air humidity) up to +70 °C (at relative air humidity of up to 90 %, without condensation)
Air humidity	15 % to 90 % (without condensation)
Air pressure	700 HPA (≈ 3000 METRES ABOVE SEA LEVEL) - 1060 HPA

## 9. GUARANTEE

The product comes with a 2-year guarantee. Normal wear of surfaces, castors, etc., and other moving parts is excluded from the warranty. Traces of use and signs of wear and tear due to age and use, which are based on normal use corresponding to the equipment performance and the nature of the equipment, are in accordance with the contract and are not defects in the legal sense.

The guarantee runs from the date of purchase when the product was first bought. The date of purchase has to be confirmed by the sales receipt. Within the scope of the warranty, HELLMUT RUCK GmbH will, at no charge, either repair or replace the defective products – at RUCK's discretion. The prerequisite is carriage-paid shipment of the defective product together with the purchase receipt. The local agent is responsible for claims made outside of Germany. In case of doubt, please check with RUCK before returning the device.

The warranty becomes null and void if we find that the problem was caused by improper or incorrect installation or usage, by non-observance of the operating instructions, by external influence or as a result of an unauthorised repair or modification.

The warranty is limited to repair or replacement of the product. Further liability (loss of revenue or earnings in particular) is excluded. However, if it transpires that it is a problem that is not covered by the terms of the warranty or that the period of the guarantee has elapsed, any costs for inspection and repair must be borne by the customer.

We reserve the right to make changes to and deviations from the technical design.

## 10. DISPOSAL



ENVIRONMENTAL HAZARD!

Incorrect disposal endangers our environment.

>>> Please use available return and collection systems for disposing of the PODOLOG ECO / ONE at the end of its life-cycle!



HELLMUT RUCK GmbH | Daimlerstraße 23 | D-75305 Neuenbürg

web [www.hellmut-ruck.de](http://www.hellmut-ruck.de) | tel. +49 (0)7082. 944 20 | fax +49 (0)7082. 944 22 22



## Sicherheits-, Gebrauchs- und Hygiene-Empfehlungen für rotierende Instrumente

Stand: 04/2017

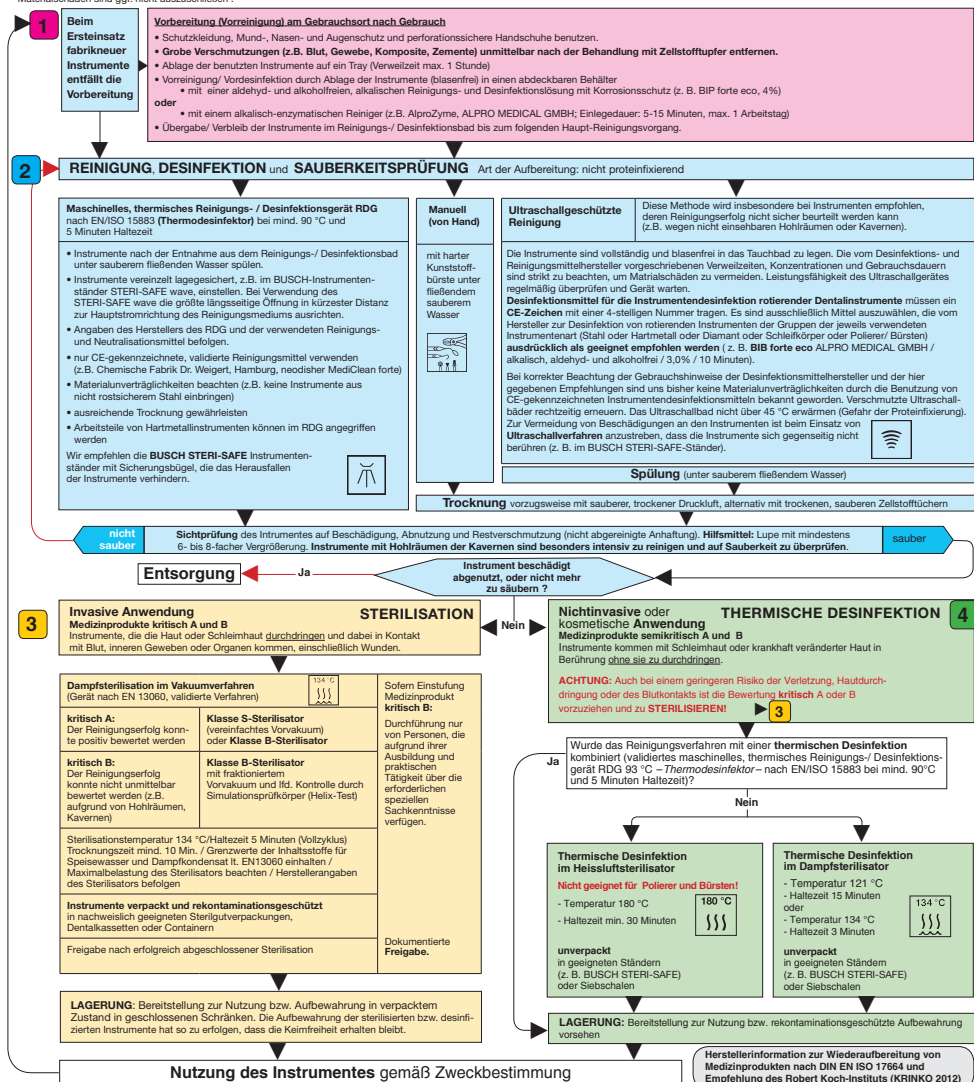
### Sicherheitsempfehlungen

- Bis zum erstmaligen Einsatz sollte die Aufbewahrung rotierender Instrumente in der Originalverpackung bei Zimmertemperatur staub- und feuchtigkeitsgeschützt erfolgen.
- Zur eventuellen Rückverfolgung die Verpackung auch während der Nutzungsphase aufbewahren.
- Einwandfreie, gewartete und gereinigte Turbinen-, sowie Hand- und Winkelstück-Antriebe einsetzen.
- Instrumente so tief wie möglich einsetzen.
- Instrumente vor dem Ansetzen an das Objekt auf Drehzahl bringen; dabei auf exakten Rundlauf achten.
- Maximal zulässige Umdrehungszahl beachten (auf jeder BUSCH-Packung angegeben).
- Verkannten und Hebeln der Instrumente vermeiden.
- Je nach Anwendung Atem-/ Augenschutz und Absaugung benutzen.
- Druckkraft 0,3 bis 2 N nicht überschreiten.
- Instrumente nur entsprechend ihrer Zweckbestimmung einsetzen.
- Möglichst die gesamte Arbeitsteilung nutzen, um punktuelle Überbelastung z.B. der Spitzen (Hitzeentwicklung) zu vermeiden.
- Zur Vermeidung unerwünschter Wärmeentwicklung ist für eine ausreichende Wasserkühlung zu sorgen. In der zahnärztlichen Praxis mind. 50 ml in der Minute.
- Bei FG-Instrumenten mit einer Gesamtlänge von mehr als 22 mm oder einem Kopfdurchmesser größer als 2 mm kann zusätzliche Kühlung erforderlich sein.
- Bei chirurgischen Instrumenten mit langem Schaft ist ggf. eine zusätzliche Kühlung erforderlich.
- Verbogene bzw. nicht rundlaufende Instrumente oder Instrumente mit beschädigten / abgenutzten Arbeitsteilen müssen zur Vermeidung von Verletzungen aussortiert und entsorgt werden.

### Hygieneempfehlungen

**Anwendungsbereich:** Rotierende Stahl-, Hartmetall- und Diamantinstrumente, Potierer, Schleifkörper und Bürsten zur Anwendung am Menschen. Die Instrumente werden im unsterilen Zustand ausgeliefert. Sie müssen vor dem Ersteinsatz und nach jeder Nutzung desinfiziert, gereinigt und desinfiziert oder ggf. sterilisiert werden. Aus hygienischen und technischen Gründen müssen Schleifkörper und Schleifkappenträger unmontiert desinfiziert und sterilisiert werden.

**Einschränkung der Wiederaufbereitung:** Prophylaxe-Bürsten sind Einmalprodukte, da eine rückstandslose Reinigung nicht gewährleistet werden kann. Bei nicht rostischen Instrumenten sind Desinfektions- und Reinigungsmittel mit Korrosionsschutz zu verwenden. **Nicht rostische Instrumente sind nicht für den Dampfsterilisator geeignet.** Die Produktlebensdauer wird von Verschleiß und Beschädigung durch den Gebrauch der Instrumente bestimmt – eine genaue Angabe über die Anzahl von Wiederaufbereitungen kann daher nicht gegeben werden. Niemals Wasserstoffperoxid  $H_2O_2$  zur Instrumentendesinfektion verwenden – Materialschäden sind ggf. nicht auszuschließen!







HELLMUT RUCK GMBH  
DAIMLERSTRASSE 23  
D-75305 NEUENBÜRG, GERMANY  
TEL. +49 (0)7082 944 20  
FAX +49 (0)7082 944 22 22

E-MAIL [KONTAKT@HELLMUT-RUCK.DE](mailto:KONTAKT@HELLMUT-RUCK.DE)  
WEB [WWW.HELLMUT-RUCK.DE](http://WWW.HELLMUT-RUCK.DE)