



PODIAVAC

Operating Instructions



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Please keep the operating instructions in the vicinity of the device and available for each user.

Introduction

We are pleased that you have chosen our product **PODIAVAC**.

In order to use the device in a proper and safe manner it is important that you read these operating instructions carefully prior using the device for the first time.

PODIAVAC is a compact foot care device for the dry technology which is based on state-of-the-art technology. It is used for treatments which can be employed in foot care or pedicure/ manicure.

Our device is equipped with an powerful high-speed, ergonomically shaped hand-piece. The low-vibration precision micro-motor in the hand-piece facilitates convenient operation. A safe and secure exchange of the grinder is made possible by means of an automatic chuck on the hand-piece.

The brushless high-speed hand-piece motor and an suction system integrated into the hand-piece ensure excellent conditions for pain-free and hygienic treatment.

A dust bag made of micro-fibre material ensures a maximum of safety.

All functions of the device are displayed on the front panel. In this way you can simply check the set speed, the rotating speed of the grinder and the suction capacity.

With the help of the optional foot switch you have the possibility of keeping your hands free for your work.

Important notes

Attention! Please check after unpacking whether the device is complete and has not been damaged during transport. If there is any doubt, you should immediately contact our customer service.

Please read the following safety instructions carefully.

Adequate ventilation of the device is necessary to prevent inside the unit too much heat.

Imagine, the PODIAVAC should not be placed in the vicinity of heat sources, such as e.g. radiators or air vents.

The ventilation slots on the device must not be blocked and the device must not be covered or built in.

Wait until the device has adjusted to the ambient temperature before using it (e.g. after a cold night in a car) to avoid condensation forming on the device.

PODIAVAC is not suitable for use in wet areas (such as the bathroom) (see technical data).

If a liquid or any particles reach into the inner of the device, it should be switched off immediately and disconnected from the power supply. Check by an authorized dealer before continuing the use of the device.

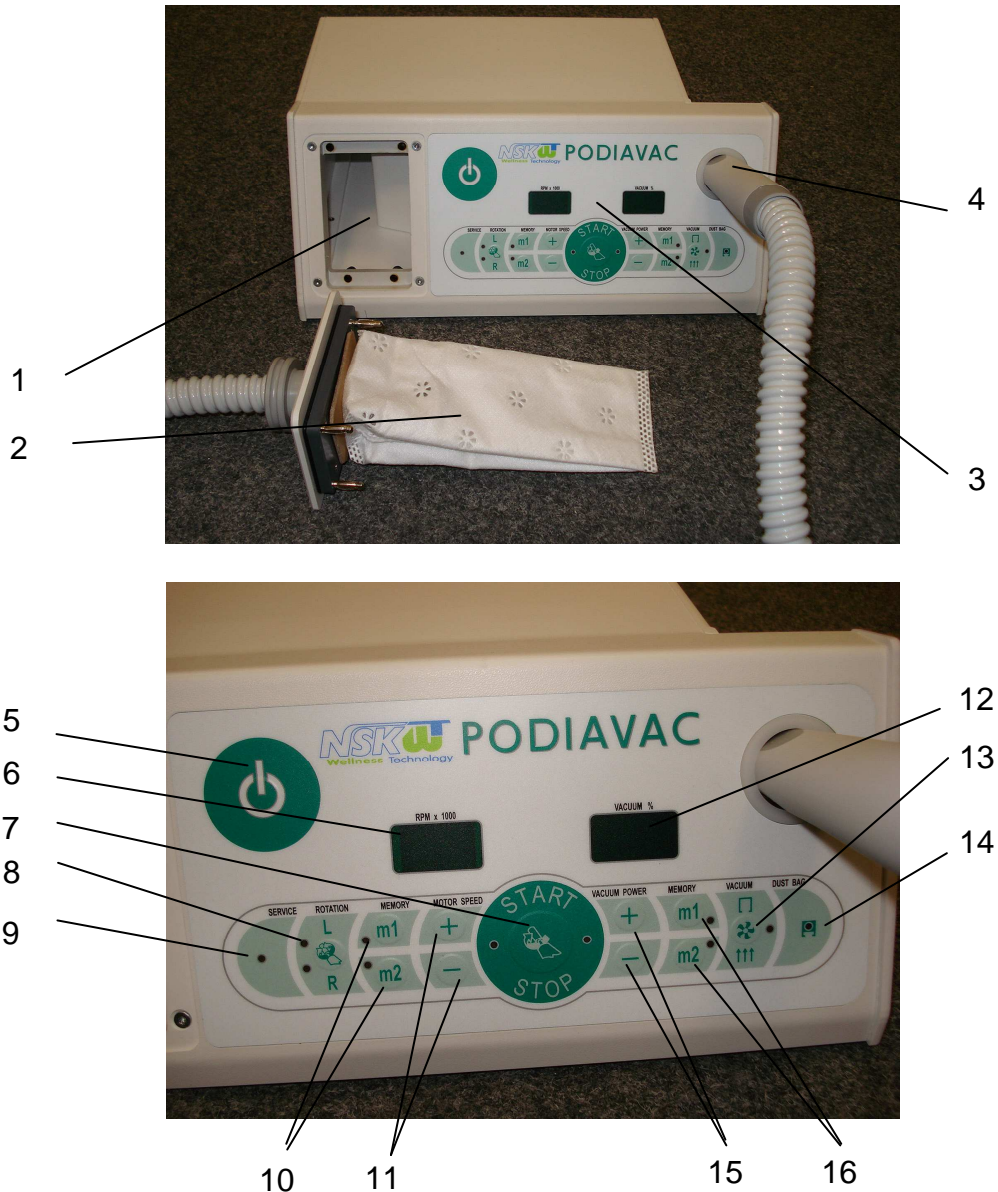
Keep the device out of the reach of children and unauthorized persons!

Attention ! Always pull the mains plug before cleaning the device or replacing the fuse! Never operate the device without a grinder. If you are not working with the hand-piece, always insert a blind pin. Only use grinders with a maximum diameter of 6 mm. Take the manufacturer's specifications regarding the maximum speed into account. Only insert dry grinders into the hand-piece.

Never place the hand-piece in a liquid, otherwise irreparable damage might be caused for which the manufacturer accepts no liability!

Attention ! Never operate the device without a dust bag.

Operating elements and components



III. 1:

- (1) Suction chamber
- (2) Dust-bag
- (3) Front panel
- (4) Hand-piece
- (5) I/O switch (stand-by) additional to mains switch on the right side
- (6) Display for speed
- (7) START/STOP pushbutton for the speed of the tool (ROTATION)
- (8) Counter-clockwise/ clockwise rotation of the tool (L/R)
- (9) Service LED for maintenance
- (10) Memory for stored speed values (2x)
- (11) Speed control (rotation) (+) = Increase speed (-) = Reduce speed
- (12) Display for vacuum power (%)
- (13) ON/OFF pushbutton for suction (Vacuum)
- (14) Level indicator dust bag
- (15) Control of suction capacity (+) = Increase capacity (-) = Reduce capacity
- (16) Memory for stored vacuum values (2x)

Installation

Connection the hand-piece:

- Push a dust bag onto the pipe socket of the handpiece-connector until it reaches the stop.
- Afterwards, insert the handpiece-connector with the dust bag placed on it into the suction chamber (see Illustration above - 1).

In this process, the contact pins on the handpiece-connector have to be positioned pointing up and fit into the contact plug on the suction chamber. This is ensured by two guide pins on the handpiece-connector. Make sure that the handpiece-connector is in a straight position and that it does not become jammed while you insert it.

Inserting the tool:

- Insert the tool, e.g. a suitable grinder, into the tool holding fixture until it reaches the stop point. Make sure that the tool is seated firmly in order to prevent any loosening of the tool during work.

Connection the foot switch (optional):

- Insert the plug of the foot switch into the connector on the right side of the device below the fixing hole for the hand-piece.

Mains supply:

- Connect the supplied power cable with the power inlet on the right side of the device.
Attention! Check the voltage (V) specified on the label before connecting the device to the supply voltage.
- Plug the power cord into a wall outlet with adequate protection contact.
The device is now ready for operation.

Warranty

The term of the warranty for **Podiavac** amounts to 1 year or a limit of 500 hours of operation, except wearing parts such as bearings, carbon brushes, dust bag and seals.

The warranty extended for a period of another 500 operating hours up to a maximum of 1 year, if the recommended maintenance of the device was done in time.

In case of improper use or modifications, repair activities by unauthorised staff as well as improper handling any warranty and liability on the part of the manufacturer ceases to apply.

The device has to be returned to the supplier in its original packaging.

Retain the original packaging for such transport.

Please note: Please consider the legal provisions regarding disposal of the packaging, accessories or, at a later date, of the device itself.

Operation

Switching on the device:

Switch on the main switch on the right side of the device.
In addition the displays (6+12) on the front panel show you the software version (initialisation); after that, the display (6) shows the basic setting regarding the speed and the rotating direction of the grinder is illuminated.

Switching on the hand-piece and the suction system:

Attention ! Only switch on the hand-piece after the tool has been firmly inserted. Otherwise there is a risk of injury and the hand-piece may be damaged.

Press the Start/Stop pushbutton (7) for rotation the grinder.

The grinder turns with the values displayed on the front panel.

Press the ON/OFF pushbutton (13) for the suction system.

The exhaust system works with the values displayed on the front panel.

Please note: The suction system can only be activated if rotation is switched on.

The suction capacity and the setting of the speed can be adjusted during operation.

Setting the speed:

Press the + or – pushbutton of the speed controller (11) to increase or reduce the speed.

The speed is controllable in steps of 1000 from 5000 up to 12000 and Steps of 2000 from 12000 up to 40000 min⁻¹.

The selected speed is displayed by the corresponding display (6) on the front panel.

Setting of suction:

Press the + or – pushbutton of the vacuum power control (15) to increase or reduce suction.

The suction capacity (vacuum) set is displayed by the corresponding display (12). Setting can be adjusted in 9 steps.

Please note: If you experience a reduction in the suction capacity, the dust bag has to be replaced.

Changing the rotational direction of the tool:

Do not use the tool while changing the rotational direction. Wait until the rotational direction has been changed before you continue working.

Press the L/R pushbutton (8).

The rotational direction of the tool is displayed on the front panel.

Switching the hand-piece:

You have basically two ways of switching off the hand-piece and switching it on again:

On the device

Press the Start/Stop pushbutton (7). The tool and the suction system are now switched off.

Press the Start/Stop pushbutton (7) once again in order to switch on the tool and the suction system again.

Working with the foot switch

Before switching on the device, connect the foot switch on the right side of the device. Afterwards, switch on the device:

Following this, you can switch the motor on and off by operating the foot switch.

Press the foot switch in order to switch off the activated tool and the suction system. Press the foot switch again. The grinder and the suction system are switched on again.

Tool change:

In order to change the tool, **the speed has to be switched off**. Press the Start/Stop pushbutton (7) to that end. Wait until the tool stops.

Pull out the tool and then set a new one.

The tool has to be pushed into the tool holding fixture until the stop point in order to prevent any loosening during operation.

Only use grinders with a maximum diameter of 6 mm.

Only use diamond grinders.

After that, press the Start/Stop pushbutton (7). The grinder and the suction system are switched on again at this point.

Separate switching on and off of the suction system:

Press the ON/OFF pushbutton VACUUM (13) for the suction system.

The suction system is switched off. The grinder continues to operate.

Press the ON/OFF pushbutton VACUUM (13) for the suction system once again in order to switch the suction system once again.

Switching off the device:

Press the I/O pushbutton (5). The device is now in the standby mode. Switch the main switch on the right side of the device off in order to switch the device off completely.

General notes:

Please only insert dry and dust-free grinders into the hand-piece.

Never exert manual pressure and do not carry out any upward or downward movements – only sideways movements are permitted - while grinding so that the grinder cannot become detached from the hand-piece.

Do not touch rotating tools. Risk of injury!

For your own safety you should wear gloves, protective goggles and breathing protection during treatment.

If the hand-piece falls down, interrupt your work immediately and have the device checked by an authorised dealer in order to avoid further damage.

General care, maintenance and repair

Have your PODIAVAC checked if the corresponding Service LED (9) lights up.

Cleaning the device

Attention!

Always pull the mains plug before cleaning the device. Risk of electric shock!

Clean the housing (incl. the hand-piece and the hose) with a damp (but not wet) cloth.

Do not use any cleaning agents which contain alcohol or solvents or which are aggressive.

- Exchange the dust bag at least once a week (more frequently in case of higher load). Do not fill the dust bag to more than 70 per cent of its capacity. Otherwise, dust may leak out. This, in turn, reduces the service life of your motor.

Attention: Never use the device without a dust bag!

- The suction chamber has to be kept clean at all times.

Replacing the dust bag

- Pull the hand-piece connector from the suction chamber (1) towards the front and, afterwards, pull the dust bag from the pipe socket.
- Push the new dust bag (2) onto the pipe socket until it reaches the stop point.
- Put the connection of the hand-piece with the dust bag into the suction chamber without jamming the dust bag in the opening of the suction chamber or damaging it.
The guide pins of the connection of the hand-piece have to be inserted into the guiding holes of the suction chamber. Make sure that the contact pin is not damaged by any jamming which may occur.

Cleaning the hand-piece

NEVER clean the hand-piece using boiling water, chemicals, wire brushes or ultra-sound.

NEVER immerse the hand-piece in a disinfectant or ultrasonic bath.

NEVER place or immerse the hand-piece in a liquid, otherwise this might damage the hand-piece.

Make sure that no liquid gets into the motor of the hand-piece.

Twist suction sleeve against hose mounting (unlock bayonet lock) and then pull it off the motor of the hand-piece in an axial direction (towards the front).

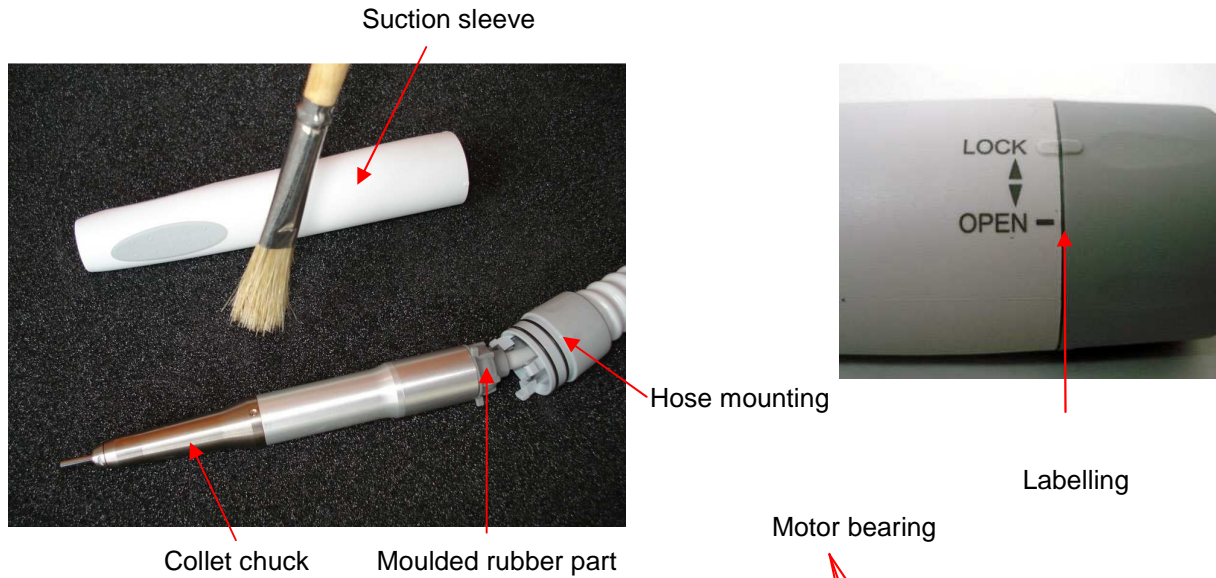
Remove contamination on the suction sleeve, the motor housing and the collet chuck with a brush or a soft cloth.

The suction sleeve can also be cleaned in an ultrasonic bath.

Once cleaning has taken place, push the suction sleeve on the motor casing again. In this process make sure that the motor is inserted into the suction sleeve in a centered position.

(See Ill. 2)

Caution! The snap-fit hooks on the hose mounting have to be inserted into the grooves of the moulded rubber part. Finally, the suction sleeve and the hose mounting have to be twisted again until the labellings are congruent in order to re-lock them. (See Ill. 3)



III. 2: Cleaning the collet chuck

III. 3: Suction sleeve

Disinfection, cleaning and storing the tools:

Tools made of tool steel are subject to a risk of corrosion. Please only use hot air (180°C) or cleaning-disinfectant agents with corrosion protection for sterilising the tool for this reason. Dry the tools immediately after cleaning them and store them in a sterile manner.

Maintenance

It is recommended that the PODIAVAC is serviced in accordance with the intervals specified (see below). Maintenance and repair may only be carried out by authorised skilled staff of the manufacturer.

Unauthorised persons are not permitted to open the device under any circumstances.

In case of changes and repairs by staff not authorised to that end, any warranty or liability on the part of the manufacturer ceases to apply.

During the regular maintenance of the device an examination according to DIN VDE 0702/0751 has to be carried out in addition to a visual inspection and a performance test.

Wearing parts have to be replaced after prolonged use. However, these are not covered by the warranty provisions or they are only covered by these to a restricted degree.

Malfunctions and trouble-shooting

Malfunction	Possible cause	Measures
Device does not work /no display:	No voltage	Please check connection of the mains cable / check fuses of the device / if required, check socket
ERROR "E1" flashes and acoustic signal is sounded. Hand-piece and suction system are switched off automatically.	Dust bag is full or Overheating of the suction motor Ventilating slots may be covered.	Let device cool down and/ or exchange dust bag. Signal goes out once the device has cooled down. Switch off the main switch in order to interrupt the signal.
Hand-piece does not work	Hand-piece is not connected or not inserted fully. Grinder is blocked.	Check connection between the plug of the hand-piece and the device / Ensure unobstructed operation of the grinder Start/Stop pushbutton (7).
Reduced suction capacity	Dust bag is full.	Exchange the dust bag.

In case of further problems or malfunctions, please contact your dealer or the manufacturer.

Changing the fuse

Caution! Fuses may only be exchanged after the power plug has been unplugged. Risk of electric shock!

The fuse link is located on the right side on the power input between the main switch and the mains socket. For opening the fuselink a flat screwdriver is required, with the help of which you may carefully lift out the fuse link. Before that, pull the mains cable from the mains socket.

Caution ! Only use fuses with the prescribed values.

Afterwards, insert the fuse link back into the holding device until you can feel it lock.

Service messages

Service message	Measure
<p>LED Dust bag (14) and ERROR "E4" light</p> <p>Dust bag is full</p>	<p>Replace the dust bag after 10 operating hours and clean the hand piece.</p> <p>After replacing the dust bag press the Start/Stop pushbutton in order to be able to continue working.</p>
<p>LED Service (9) and ERROR "E2" light</p> <p>Service Hand-piece</p>	<p>After 250 operating hours the hand-piece has to be cleaned. This corresponds to approx. 800 to 1000 foot care treatments.</p> <p>Please send the hand-piece to our customer service department for this. If required, you can request a replacement hand-piece.</p> <p>Press the Start/Stop pushbutton (7) in order to be able to continue working.</p>
<p>LED Service (9) and ERROR "E3" light</p> <p>Device maintenance required</p>	<p>The device has to be serviced after 500 operating hours. This corresponds to twice the number of treatments referred to herein above.</p> <p>Please send the entire device incl. the hand-piece to our customer service department for maintenance. If required, you can request a replacement device.</p> <p>In order to be able to continue working switch off the device with the Start/Stop pushbutton (7) and switch on once again.</p> <p>As long as no device maintenance happened, this procedure must be repeated at every switching on the device.</p>

Please remember: If the maintenance intervals are exceeded by more than 15 per cent, the warranty and liability of the manufacturer cease to apply.

Technical data

Product number:	
Operating voltage:	230 V ~ / 50/60 Hz or 100/110 V ~ / 50/60 Hz
Power consumption:	350 W
Speed:	5000 – 40000 rev./min
Safety fuse:	1.6 A T (230VAC) or 3,15 A (110 VAC)
Protection class:	I
Ambient conditions:	temperature between +10 °C and +30 °C storage temperature between +5 °C and +40 °C relative air humidity between 20 % and 65 %
Dimensions (WxHxD):	286 x 130 x 237 mm
Weight of hand-piece:	150 g
Weight of device incl. hand-piece set:	3.5 kg
Scope of delivery:	1 device incl. hand-piece, 2 dust-bags and mains cable
Accessories:	foot switch, grinder, set of dust-bags (5 pcs.)

Declaration of Conformity

in accordance with the EU-Directives for
Electromagnetic Compatibility Directive 89/336/EEC + Modification
Low Voltage Directive 73/23/EEC + Modification

Manufacturer: **NSK Wellness Technology GmbH**
Address: **Portitzer Strasse 69 d**
D-04425 Taucha
Germany

We certifies that the product

Purpose of equipment: Foot Care Equipment
Type of equipment: **PODIAVAC**
Article no: 9160.1

in accordance with the following standards:

EN 61000-6-1:2001
EN 61000-6-3:2001

Taucha, 2012-01-01

NSK Wellness Technology GmbH
Managing Director



Dieter Bauch