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Foreword

Thank you for trusting beam GmbH.

This user manual contains safety instructions, relevant information and assistance in handling the beam Blue Evolution S+ Touch.

It offers support to familiarise with, maintain and care for the device.

Follow this user manual to ensure a long service life and reliable operation of the device.

This user manual is part of the device.

Make sure that this manual is always accessible.

Read this user manual in full before using the device for the first time and re-read it regularly. Make sure that every user of this device knows and implements the user manual.

Some graphic representations may differ from your device.

For better representation, components have been removed or modified in some graphics.

The claim of the company beam GmbH is to always provide the best product for its customers. It is therefore possible that changes and improvements made after this manual was published are not included.

The latest version of your user manual is available online at https://www.dampfsaugerbeam.de/startseite/

If you need further information or help, the beam service centre is at your disposal.

Amendments and Copyright

Due to constantly new technical developments, beam GmbH reserves the right to make changes without prior notice.

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Please note

To make reading easier, the masculine form is used in this user manual for personal designations and gender-related nouns. Corresponding terms generally apply to all genders in terms of equal treatment. The shortened and consistent form of expression is solely for editorial purposes and implies neither opinion nor judgement.



Feedback form

In order to guarantee you a high level of user-friendliness, we are always working on our products and manuals. For this, we need your support.

We would be very happy to receive your feedback.

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Thank you for your help.



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1 Product description

1.1 Complete overview of the basic device

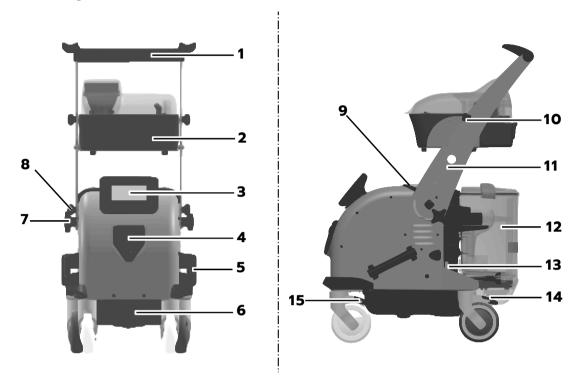


Figure 1.1-1 Complete overview of the basic device

- Handle 2 Accessory box 3 Display 4 Hose connection 5 Carrying handle (both sides) 6 Soundproof housing 7 Star nuts carrier arm (both sides)
- 8 Star nuts small (on both sides)

- 9 Filling openings cover
- 10 Star nut accessory box (both sides)
- Support arm (both sides) 11
- 12 Filter tank
- 13 Main switch
- Directional lock rear wheel (both 14
- 15 Parking brake front wheel (both sides)

1.2 Technical Specifications

Name	Unit	Value (including tolerance)
Nominal voltage	V in AC	220-240
	Hz	50/60
Overall performance	W	3500
Nominal input of stainless	W	2200
steel boiler		
Nominal input of engine	W	1050
Noise development	dB	74.5
Automatic refill system	l	2.0
(optional)		
Maximal steam temperature	°C	180
Maximal pressure steam	bar	10
Unterdruck (Wassersäule)	mm H2O	2100
Maximal capacity of the	l	4
water filter		
Water volume Water filter	l	2
between minimal and		
maximal range		
Steam and suction hose	m	3.2
Device length	mm	580
Device width	mm	380
Device height	mm	930
Device weight	kg	26

Table 1.2—1 Technical Specifications

1.3 Declaration of Conformity

EG-Konformitätserklärung (EG-Konformitätserklärung (DECLARATION OF CONFORMITY

Der Unterzeichnende, Geschäftsführer der: The undersigned, representative of the following manufacturer

beam GmbH

Illertalstr. 3, 89281 Altenstadt

Erklärt, dass das Produkt:

DECLARES that the product:

Beschreibung

DAMPFSAUGER

STEAM AND VACUUM CLEANER

Description

BLUE EVOLUTION S+

Modell Model

den folgenden Richtlinien entspricht:

- Directive 2014/30/UE (EMC Richtlinie)
- Directive 2006/42/CE (Maschinen Richtlinie)
- Directive 2011/65/UE (RoHS)

is in accordance with the following Directives:

- 2014/30 EU Directive (EMC Directive)
- 2006/42 EC Directive (Machinery Directive)
- 2011/65/UE RoHS Directive

Und dass folgende Normen angewandt wurden: and that all the following standards have been applied

EN 60335-2-69:2012, EN 60335-2-79:2012 eingesetzt in Verbindung mit EN 60335-1:2012/A14:2019 EN 62233 :2008

used in conjunction with

EN 60335-1:2012/A14:2019

EN 62233 :2008 EN 55014-1 :2017

EN 55014-2 :2015

EN 61000-3-2 :2019

EN 61000-3-3 :2013/A1 :2019

Die letzten beiden Ziffern des Jahres, indem die CE Kennzeichung angebracht wurde Last two figures of the year of the CE marking

'20

Ort

Altenstadt

Place

Datum 12.06.2020

Date

Firma

Sign

Robert Wiedemann (Geschäftsführer)

Figure 1.3-1 Declaration of Conformity



2 Security

2.1 Legend of warnings



This warning sign warns of possible dangers.

To avoid death, injury and damage, follow all measures marked with this warning sign without exception.

The level of danger differs as follows:



DANGER

Serious injuries or danger to life!

The keyword "Danger" indicates an imminent situation which, if not avoided, will result in serious bodily injury or death.



WARNING

Serious injuries or danger to life possible!

Warning keyword indicates a situation which, if not avoided, could result in death or serious injury.



CAUTION

Minor or medium bodily injuries!

The keyword "caution" indicates a situation that will result in minor or moderate physical injury if not avoided.

ATTENTION

Damage!

The keyword "Attention" indicates a situation that will result in property damage, if not avoided.



2.2 Legend of symbols

Symbol	Function	
	Prerequisite for action	
	Shows conditions for subsequent actions.	
→	Call to Action	
	Prompts the operator for an action	
⇒	Action result	
	Shows the result of a previous action.	
-	Count	
	Structures several points of a list.	

Table 2.2—1 Legend of symbols



INFO

Displays useful and helpful information or tips and recommendations.

2.3 Warnings



WARNING

Power supply defect! Risk of death.

- → Make sure that the power supply of the device is free of defects before each start-up.
- → Touch the device and network connector with dry hands only.



WARNING

Improper handling of electronic devices! Risk of death.

- → Ensure that electrical devices are voltage-free before cleaning.
- → Ensure that electrical devices to be cleaned are not damaged.



CAUTION

Improper handling of the UV-C lamp! Eye and skin injuries.

- → Avoid looking directly into the UV-C lamp.
- → Only have the UV-C lamp replaced by authorised specialist personnel.

When the UV-C lamp is removed:

→ Secure the device against switching on.





CAUTION

Improper handling!

Burns, injuries and property damage.

- → Ensure that all unauthorised persons leave the work area.
- → Direct the steam jet exclusively at the surfaces to be cleaned.
- → Ensure that people and animals are protected from the steam jet.
- → Make sure that the device is switched on and is supervised.
- → Ensure that the device is secured against unauthorised use.
- → Ensure that repair work on the device is carried out by authorised specialist personnel only.
- → Only perform maintenance activities described in this manual.
- → Ensure that the device remains technically unchanged.



CAUTION

Defective components!

- → Check the device for proper condition before each use. If the device has defects:
- → Leave the status of the device unchanged.
- Contact beam service centre.

2.4 Operating conditions

Operate the device under the following conditions:

- Below normal ambient temperature
- In an environment protected from rain and frost
- On flat and cool ground
- At a sufficient distance from heat sources

2.5 Storage conditions

Store the device under the following conditions:

- Freeze-proof environment
- Dry environment
- With separate power supply

2.6 Description of user and specialist

2.6.1 Personal protective equipment

The personal protective equipment consists of the following components:

Appropriate clothing



2.6.2 User

Definition and responsibilities of the user:

- Is of legal age.
- Follows this user quide.
- Works with the device.
- Fills and refills fluids for work.
- Cleans and maintains the device
- Performs the maintenance activities described.
- Before use, ensures that the device is in working order.
- Reports defects to the operator or directly to beam GmbH.

2.6.3 Specialist

Definition and responsibilities of the specialist:

- Follows this user quide.
- Repairs the device.
- Repairs and documents defects.
- Has the necessary qualification to carry out repairs.
- Is authorised by beam GmbH.

2.6.4 Operator

Definition and responsibilities of the operator:

- Makes the device available for work.
- Ensures that this manual is always accessible.
- Ensures that the operator knows and implements the user manual.
- Provides additional protective equipment that may be required.
- Ensures that maintenance and care intervals are followed.

2.6.5 Intended use

The beam Blue Evolution S+ Touch is used for the environmentally friendly cleaning of a wide variety of materials and surfaces with clear water.

To ensure proper use, comply with the following points:

- Follow the user manual
- Carry out maintenance work
- Carry out servicing activities

2.6.6 Foreseeable Misuse

Use of the device is prohibited for the following purposes:

- to heat various objects or materials
- to clean skin, hair, people or animals
- to hit
- to leverage
- to scratch
- to pick up explosive or flammable substances
- to clean live components
- to clean moisture-sensitive electronic devices
- to clean materials containing asbestos
- to clean materials harmful to health



2.6.7 Disposal

Dispose of the device and device components as follows:

- Ensure that individual components are properly disposed of at the end of their useful life.
- Ensure that the device is properly disposed of at the end of its useful life.
- Ensure that country-specific waste regulation guidelines are complied with.
- Ensure that all consumables are removed prior to disposal.

3 Service and operation

3.1 Updates and Changes

Update and change	Chapter	Link

Table 3.1—1 Updates and Changes

3.2 Prepare device



CAUTION

Improper lifting of the device! Injuries.

- → Make sure your back and spine are protected when lifting.
- → If necessary, get a second person to help.

3.2.1 Install support arms with handle

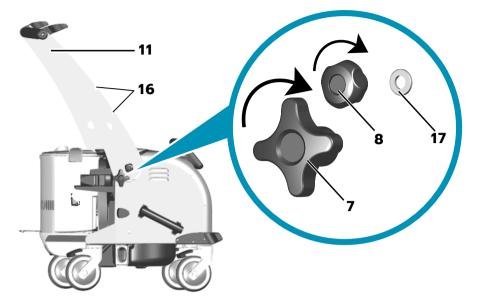


Figure 3.2-1 Assemble the support arms and handle

7	Star nuts carrier arm (both sides)	16	Hanging grooves (on both sides)
8	Star nuts small (on both sides)	17	Washers (on both sides)
11	Carrier arm		

Ensure that the following components are available:

- Star nuts support arm 7
- Small star nuts 8
- Support arm 11
- Washers 17
- → If necessary, get a second person to help.
- → Position support arm 11.
 - ⇒ Hanging grooves **16** point in the direction of the display.
- → Attach small star nuts 8 and washers 17 on both sides.
- → Ensure that the washers 17 are in direct contact with the small star nuts 8.
- → Tighten small star nuts 8.
- → Tighten support arm star nuts **7** on both sides.
- → Tighten star nuts **7** and star nuts **8**.
 - ⇒ Support arm with handle is installed.

3.2.2 Assemble the accessory box

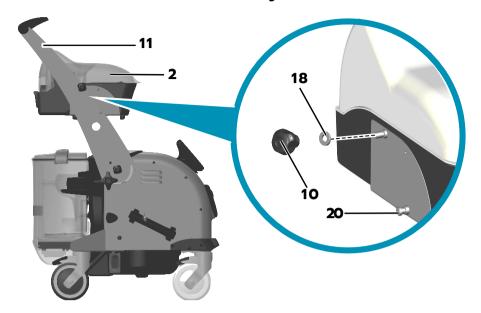


Figure 3.2-2 Assemble the accessory box

2	Accessory box	18	Washers (on both sides)
10	Star nut accessory box (both sides)	20	Pegs
11	Carrier arm		

Ensure that the following components are available:

- Accessory box 2
- Star nut accessory box 10
- Washers **18**
- → Hang the accessory box 2 with pin 20 on the support arm 11.
- → Tilt accessory box 2 up as far as it will go.
- → Screw on star nut accessory box 10 and washers 18 on both sides.
- → Ensure that washers 18 are in direct contact with star nuts in accessory box 10.
- → Tighten the star nuts in accessory box 10.
 - \Rightarrow Accessory box **2** is assembled.

3.3 Commissioning

3.3.1 Establish power supply

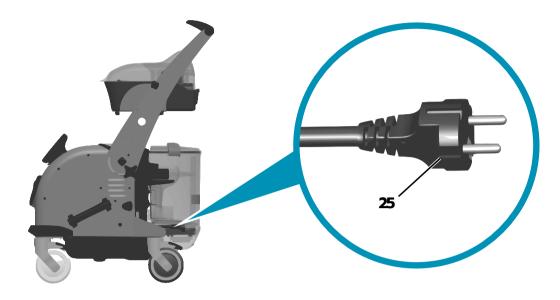


Figure 3.3-1 Establish power supply

25 Safety plug

ATTENTION

Faulty power supply! Damage.

- → Make sure that the mains voltage of the socket corresponds to the nominal voltage of the device.
- → For detailed information see 1.2 Technical Specifications.
- → Plug the safety plug **25** into the socket.

3.3.2 Fill the storage tank and hot water module

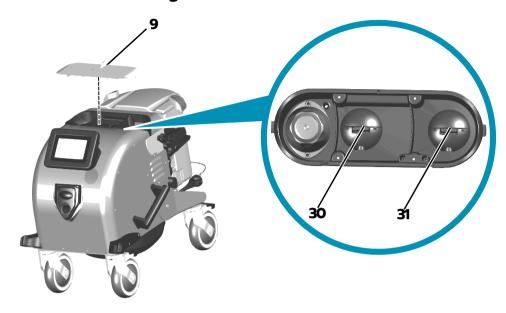


Figure 3.3-2 Filling the storage tank and hot water module

9 Filling openings cover

31 Storage tank

30 Hot water module

3.3.2.1 Fill storage tank

ATTENTION

Filling medium not allowed! Damage to device!

→ Only use tap water.

- → Open the cover of the filling openings 9.
- → Remove the storage tank cap 31.
- → Fill with tap water.
- → Attach the storage tank cap 31.
- → Close the cover of the filling openings **9**.

3.3.2.2 Fill hot water module

ATTENTION

Filling medium not allowed!

Damage to device!

→ Use tap water.

If tap water is very calcareous:

→ Use pre-filter for decarbonisation.

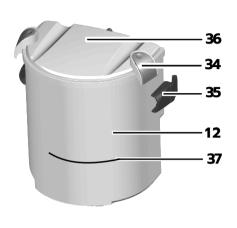
beam GmbH recommends:

- Brita filter cartridge
- → Order a pre-filter at https://www.dampfsauger-beam.de/startseite/.



- → Open the cover of the filling openings 9
- → Remove the cap for the hot water module **30**.
- → Fill with water.
- → Attach the closure for the hot water module **30**.
- → Close the cover of the filling openings **9**.

3.3.3 Filter tank



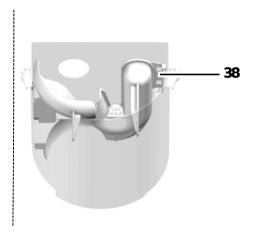


Figure 3.3-3 Filter tank

12	Filter tank	36	Filter cover
34	Filter cover lock (both sides)	37	Level mark
35	Filter tank lock (both sides)	38	Siphon

Filter tank 12 contains water filtration system:

- Water filter binds sucked dirt.
- Water filter binds dirt from sucked air.
- Water filter requires about 2 litres of water.

The intake volume of the filter tank 12 is made up as follows:

Name	Unit	Value (including tolerance)
Total intake volume	Litre	4
Intake volume of the filter area up to the filling level mark 37	Litre	2
Dirt area intake volume	Litre	2

Table 3.3—1 Intake volume



Monitoring of the filling level in the filter tank

Unit stops when level in filter tank exceeds allowable level. Display shows error message.



3.3.3.1 Remove filter tank

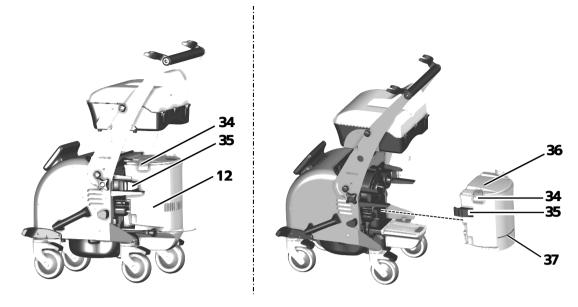


Figure 3.3-4 Remove filter tank

12	Filter tank	36	Filter cover
34	Filter cover lock (both sides)	37	Level mark
35	Filter tank lock (both sides)		

- → Release and unhook the filter tank locks **35** on both sides.
- → Remove filter tank 12 to the rear.

3.3.3.2 Remove filter cover

- → Release the filter cover locks **34** and unhook them.
- → Remove filter cover **36** upwards.

3.3.3.3 Fill filter tank



INFO

If only liquid is sucked up:

- → Use filter tank unfilled.
 - ⇒ Intake volume increases to around 4 litres.
- → Make sure siphon **38** is properly installed.
- → Fill the filter tank 12 with water up to the level mark 37.
- → Install filter cover **36** on filter tank **12**.
- → Close the locks of the filter cover **34**.

3.3.3.4 Insert filter tank

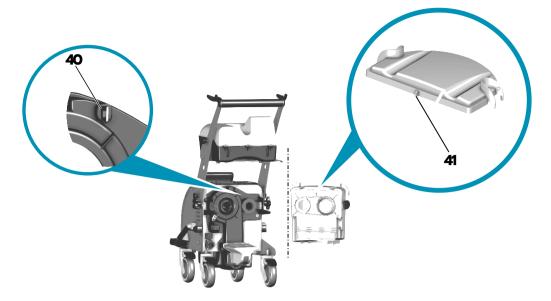


Figure 3.3-5 Insert filter tank

40 Control nut **41** Control bar

- → Make sure siphon **38** is properly installed.
- → Insert filter tank 12 on the device.
- → Make sure that the control bar **41** has entered the control groove **40**.
- → Close the filter tank lock **35**.
 - ⇒ Filter tank **12** is inserted.

3.3.4 Steam and suction hose

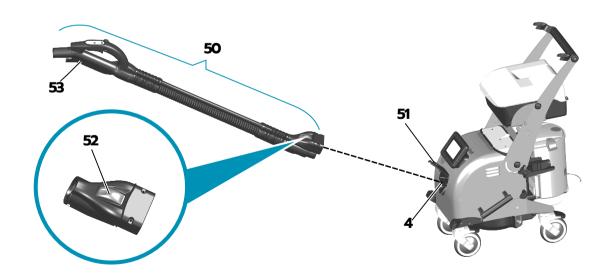


Figure 3.3-6 Steam and suction hose

4 Hose connection
50 Steam and suction hose
52 Unlocking button
53 Hand control unit

Connect steam and suction hose 3.3.4.1

- → Open cover **51** and keep it open.
- → Insert steam and suction hose **50** into hose connection **4** and snap into place.
- → Ensure that the steam and suction hose **50** is engaged.
 - ⇒ Steam and suction hose **50** is connected.

Remove steam and suction hose 3.3.4.2

- → Press and hold the release button **52**.
- → Detach steam and suction hose **50**.
 - ⇒ Steam and suction hose **50** is removed.

3.3.5 Accessories

ATTENTION

Sensitive surfaces!

Damage.

→ Ensure that the amount of steam, water and accessories are adjusted to the surface to be cleaned.



INFO

Spare parts and accessories.

- → Order spare parts and accessories in the online shop.
- → See https://www.dampfsauger-beam.de/startseite/



Maintenance and Care.

To ensure function and long service life, observe the following points:

- → Check accessories regularly to ensure they are in perfect condition.
- → Easier to change accessories: Wet plug connections with a suitable lubricant or silicone agent.



Figure 3.3-7 Unlocking button

54 Unlocking button

Insert accessories:

- → Insert accessories professionally.
- → Make sure release button **54** is locked in place.

Remove accessories:

- → Press and hold the release button **54**.
- → Remove accessories.

Accessories on hand control unit

The following accessories can be attached directly to hand control unit 53:



Extension tube

Extraction nozzle wide

Extraction nozzle narrow

Adapter with floor nozzle

Point jet nozzle

Attachment	Name	Field of use
	Extension tube (double extension possible)	Extension between hand control unit and selectable attachments
	Extraction nozzle wide without attachment	PadMattressesCarpets
	Extraction nozzle narrow without attachment	 Pad, Mattresses Carpets Car seats Vehicle interior cleaning Foot mats
	Adapter for floor nozzle	Connects hand control to floor nozzle or extension tube to floor nozzle → Make sure that the lock on the adapter is closed after plugging it in.
	Floor nozzle	Requires one of the following missions: - Use rubber lip - Use brush - Use rubber lip with brush → See 3.3.5.4 Accessories on floor nozzle. → Make sure the adapter is plugged in.



Attachment	Name	Field of use
	Point jet nozzle	Spot jet nozzle can be combined with
Manning		the following attachments:
		 Round brush set small
		 Round brush large
		Corner brush
		 Crevice nozzle narrow
		→ See 3.3.5.5 Accessories on point jet
		nozzle.

Table 3.3—2 Accessories on hand control

3.3.5.2 Accessories on extraction nozzle wide

ATTENTION

Sensitive parquet floors and laminate floors! Damage.

If rubber lip attachment is used:

- → Select MIN steam setting.
- → Make sure hot water module is disabled.
- → Only use the brush attachment on non-sensitive surfaces.

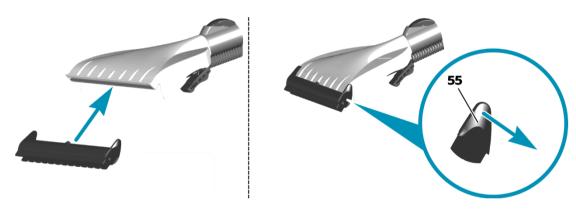


Figure 3.3-8 Use attachment

55 Bracket (both sides)

Attach attachment:

- → Attach the attachment to the extraction nozzle as shown.
- → Make sure tabs **55** on extraction nozzle are snapped into place.

Remove attachment:

→ Unlock tabs **55** and remove attachment.

The following accessories can be attached directly to the extraction nozzle:



- Silicone lip with brush attachment
- Rubber lip attachment
- Brush attachment

Attachment	Name	Field of use
	Silicone lip with brush attachment	Glass surfacesStore windowWindowMirror
	Rubber lip attachment	Hard floors like: - Tiles, granite, marble - Wooden floors - PVC - Laminate
	Brush attachment	Pre-cleaning of heavily soiled surfaces such as: - Rubber floor mats - Plastic floor mats

Table 3.3—3 Accessories on extraction nozzle wide

3.3.5.3 Accessory on extraction nozzle narrow

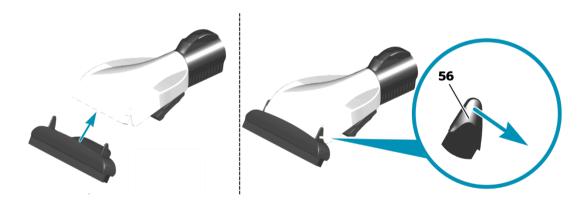


Figure 3.3-9 Use attachment

56 Bracket (both sides)

Attach attachment:

- → Attach the attachment to the extraction nozzle as shown.
- → Make sure tabs **56** on extraction nozzle are snapped into place.

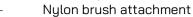
Remove attachment:

→ Unlock tabs **56** and remove attachment.

The following accessories can be attached directly to the narrow extraction nozzle:

Silicone lip with brush attachment







Attachment	Name	Field of use
	Silicone lip with brush attachment	Glass surfacesWindowMirror
	Rubber lip attachment	Almost all surfaces such as: - Window frames, window sills - Room doors - Kitchen cabinets - Plastic parts
	Nylon brush attachment	Pre-cleaning of heavily soiled surfaces such as: - Rubber floor mats - Plastic floor mats - Window rubber

Table 3.3—4 Accessories on extraction narrow nozzle

3.3.5.4 Accessories on floor nozzle

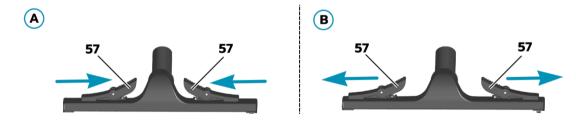


Figure 3.3-10 Open and close the attachment

57 SkidA ClosedB Open

Open lock:

→ Skid **57** outwards on both sides into open position **B**.

Close lock:

→ Skid **57** inwards on both sides into closed position **A**.



Picture 3.3-11 Attachment and adapter

58 Adapter **59** Locking sleeve

Attach adapter and attachment:

- → Insert adapter **58** into the floor nozzle properly.
- → Turn locking sleeve **59** 90 degrees clockwise.
 - ⇒ Adapter **58** is locked.
- → Open lock: See Figure 3.3-10 Open and close the attachment.
- → Attach the attachment professionally.
- → Close lock: See Figure 3.3-10 Open and close the attachment.

Remove adapter and attachment:

- → Turn the locking sleeve **59** 90 degrees counterclockwise.
 - ⇒ Adapter **58** is unlocked.
- → Remove adapter **58**.
- → Open lock: See Figure 3.3-10 Open and close the attachment.
- → Remove attachment properly.

The following accessories can be attached directly to the floor nozzle:



- Rubber lip attachment
- Brush attachment
- Glide attachment

Attachment	Name	Field of use
	Rubber lip attachment	Hard floors like: - Tiles, granite, marble - Gastro or industrial floors - Wooden floors - PVC - Laminate
	Brush attachment	Pre-cleaning of heavily soiled surfaces such as: - Rubber mats - Plastic mats - Foot mats



Attachment	Name	Field of use
	Glide attachment	Carpeted floorsMatsVacuum dry

Table 3.3–5 Accessories on floor nozzle

3.3.5.5 Accessories on point jet nozzle

ATTENTION

Sensitive surfaces!

Damage.

- → Only use round brushes and corner brushes on non-sensitive materials.
- → Ensure that use on glass surfaces is excluded.



Figure 3.3-12 Use attachment

Attach attachment:

→ Attach the attachment to the point jet nozzle as shown in the illustration.

Remove attachment:

→ Pull off the attachment.

The following accessories can be attached directly to the point jet nozzle:



- Round brush
- Corner brush
- Crevice nozzle with silicone attachment

Attachment	Name	Field of use
	Round brush set small	 Improvement in cleaning of stubborn dirt
	Round brush	 Improvement in cleaning of stubborn dirt
	Corner brush	 Improvement in cleaning of stubborn dirt Hard-to-reach corners
	Crevice nozzle narrow with silicone attachment	Spot suctionVacuum dry

Table 3.3—6 Accessories on point jet nozzle

3.4 Operation

ATTENTION

Sensitive materials!

Damage.

- → Before working with the steam function, ensure that the following materials are tested for compatibility on a hidden area:
- Silicone
- Adhesive
- Waxed surfaces
- Polished surfaces
- Lacquered surfaces
- Leather
- Alcantara
- Velour
- → Only start with the lowest functional level.
- → Preheat cold glass surfaces at a distance of 30 cm.



3.4.1 Turn on the device

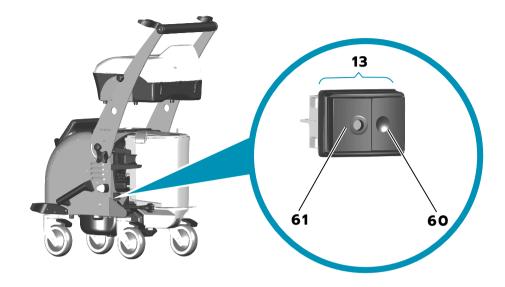


Figure 3.4-1 Switch on the device

- **13** Main switch
- **60** Switch position OFF

61 Switch position ON

Ensure that the following requirements are met:

- Power supply is established
- Steam and suction hose is connected
- → Set the main switch 13 to the ON position 61.
 - ⇒ LED at switch position ON **61** lights up.

3.4.2 Display



Figure 3.4-2 Display

100 Display temperature 101 Status display 102 Display pressure **103** Extract button

104 OFF button 105 Suction button 106 Menu button 107 Steam button



INFO

Factory setting.

Display switches to energy-saving mode after 60 seconds of inactivity.

3.4.2.1 Overview display

Position	Name of the item	Function
100	Display temperature	Shows current operating temperature in °C.
101	Status display	Shows current status.
		The following statuses are shown individually:
		Heating
		– Error
102	Display pressure	Shows current operating pressure in bar.
103	Extract button	Enables / disables hot water module.
		The following statuses are shown individually:
		- ON
		- OFF
		- Ready
104	OFF button	Switches the device to standby mode.
105	Suction button	Activates / deactivates the suction function.
106	Menu button	Opens the user menu.
107	Steam button	Activates / deactivates the steam function.

Table 3.4—1 Overview display

3.4.3 Functions



Individual functions and function combinations

The suction function can be used as an individual function.

The steam function can be used as a single function.

The hot water and steam functions can be used at the same time.

The suction and steam functions can be used at the same time.

The suction, hot water and steam functions can be used at the same time.

→ Select function and combination according to application.



3.4.4 Activate the steam function

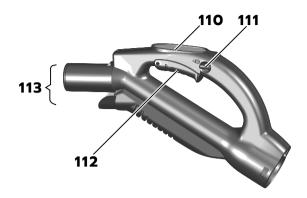


Figure 3.4-3 Activate the steam function

110 Control panel 112 Trigger lever

111 Safety button 113 Connection accessories



CAUTION

Escaping hot steam! Injuries.

→ Ensure that people and animals are protected from the steam jet.



CAUTION

Improper use! Injuries.

→ Ensure that locking button 111 is locked when not in use.



INFO

Manufacturer's recommendation.

Drops of water escaping after the first heating-up phase.

→ Direct steam onto suitable collection medium until steam flow is even.

Ensure that the following requirements are met:

- Storage tank **31** is full.
- Device is switched on.
- Steam and suction hose **50** is plugged in.

When device is in standby mode:

- → Press the button in the middle of the display.
 - ⇒ Standby mode is ended.
 - ⇒ Device is ready for operation.
- → Press the steam button 107.



- ⇒ Device heats up.
- ⇒ Steam button **107** lights up.
- ⇒ Display temperature **100** shows current value.
- ⇒ Display status **101** shows heating status.
- ⇒ Steam button **107** flashes until the operating temperature is reached.
- → Unlock safety button 111.
- Test sensitive materials on an small or hidden area.
- → Press trigger lever 112.
 - ⇒ Steam escapes from connected accessories.
- → Stop steam outlet: Release the trigger lever 112.
- → Lock safety button 111.
- → Change amount of steam: Press and hold down the steam button 107.

The amount of steam is shown on the display as follows:

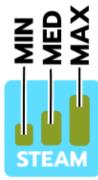


Figure 3.4-4 Set the amount of steam

Small amount of steam MAX Large amount of steam **MED** Medium amount of steam

Deactivate the steam function 3.4.4.1

- → Press the steam button 107.
 - ⇒ Steam button **107** goes out.

3.4.5 Activate the hot water function



Figure 3.4-5 Activate the hot water function

110 Control panel 115 Control light 111 Safety button Hot water button 116 112 Trigger lever



ATTENTION

Sensitive materials!

Property damage.

→ Only use hot water on non-sensitive materials.



INFO

Heavy contamination.

The flushing effect of the hot water with steam increases the cleaning performance.

Ensure that the following requirements are met:

- Device is switched on.
- Hot water module **30** is filled.
- Steam and suction hose **50** is plugged in.

When device is in standby mode:

- → Press the button in the middle of the display.
 - ⇒ Standby mode is ended.
 - ⇒ Device is ready for operation.
- → Test materials to be cleaned in a small or hidden area.
- → Press the hot water button 116 on the hand control unit.
 - ⇒ Extract button **103** on the display lights up.
 - ⇒ Control lamp **115** on control panel **110** lights up.
- → Unlock safety button 111.
- → Press trigger lever 112.
 - ⇒ Hot water escapes from connected accessories.
- → Stop hot water outlet: Release the trigger lever 112.
- → Lock safety button 111.
- → Change flow rate: Press and hold Extract button 103 on the display.

The flow rate is shown on the display as follows:



Figure 3.4-6 Set flow rate

MIN Small flow rateMED Medium flow rate

MAX Large flow rate



3.4.5.1 Deactivate the hot water function

- → Press the hot water button 116.
 - ⇒ Hot water outlet stops.
 - ⇒ Control lamp **115** on the hand control unit goes out.

3.4.6 Activate the suction function

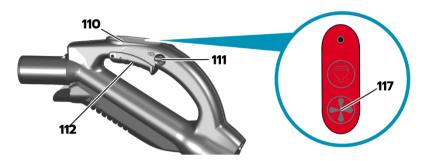


Figure 3.4-7 Activate the suction function

110Control panel112Trigger lever111Safety button117Suction button

ATTENTION

Filling level in the filter tank not allowed! Damage to the device.

If vacuuming dry, carry out the following action:

→ Ensure that filter tank 12 is properly filled up to level 37.



INFO

Heavy foam formation.

If the sucked-up medium foams a lot:

- → Add foam reducing agent to filter tank 12.
- → Observe the manufacturer's information.

Ensure that the following requirements are met:

- Device is switched on.
- Filter tank 12 is inserted.
- Steam and suction hose **50** is plugged in.
- Press the button in the middle of the display.
 - ⇒ Standby mode is ended.
 - ⇒ Device is ready for operation.
- → Press the suction function button 117 on the hand control unit.
 - ⇒ The device vacuums.
- → Change suction power: Press and hold the suction button 105 on the display.

Suction power is shown on the display as follows:

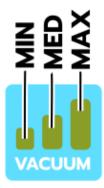


Figure 3.4-8 Set the suction power

MIN Small suction powerMED Medium suction power

MAX High suction power

3.4.6.1 Deactivate suction function



INFO

Residual liquid in the suction line.

- → Leave the suction function activated for around 30 seconds after the suction process is complete.
 - ⇒ Residual liquid is sucked into filter tank 12.
- → Ensure that the residual liquid in the suction line has been sucked out.
- → Press the suction function button 117.
 - ⇒ Device stops suction process.

3.5 Decommissioning

3.5.1 Prepare for decommissioning

- → Empty filter tank 12.
- → Insert the empty filter tank 12.
- → See 3.3.3.4 Insert filter tank.

3.5.2 Clean attachments

3.5.2.1 Clean steam and suction hose and accessories



Figure 3.5-1 Clean the steam and suction hose and accessories

105 Suction button110 Control panel

117 Suction button



INFO

Heavy foam formation.

If the rinsing process foams a lot:

→ Repeat the rinsing process with clear water.

Ensure that the following requirements are met:

- Filter tank 12 is empty.
- Detergent is prepared.



INFO

Cleaning the steam and suction hose and accessories with detergent.

→ Use 2 litres of mildly alkaline detergent.



INFO

Cleaning the steam and suction hose and accessories with disinfectant.

- → Use VAH-listed surface disinfectants based on peroxides.
- → Follow the exposure times specified by the manufacturer.
- → Set suction power: Press Suction button **105** on the display and hold it down until MIN suction power is displayed.
- → Press the suction function button 117 on the hand control unit.



- ⇒ The device vacuums.
- → Suck cleaning agents or disinfectants completely with used accessories and the steam and suction hose.
 - ⇒ The steam and suction hose and accessories have been cleaned.
- → Deactivate suction function.
- → See 3.4.6.1 Deactivate suction function.
- → Turn off the device.
- → Disconnect power supply.
- → Empty the filter tank 12.
- → Remove accessories and let dry.
- → Unplug the steam and suction hose and let them dry.
- → See 3.3.4.2 Remove steam and suction hose.

3.5.2.2 Clean the filter tank

Ensure that the following requirements are met:

- Filter tank 12 is removed.
- Filter tank 12 has been emptied.
- → Remove filter cover **36**.
- → Remove siphon **38** from filter tank **12**.
- → Clean siphon 38 and filter tank 12 properly.
- → Insert siphon 38 in filter tank 12.
- → Leave filter tank 12 dry with the filter cover 36 open.

3.5.3 Storage



INFO

Storage.

- → Ensure filter cap **36** on filter tank **12** is removed.
- → Ensure that the storage location is frost-free and adequately ventilated.

3.6 Malfunctions

3.6.1 Error codes on display

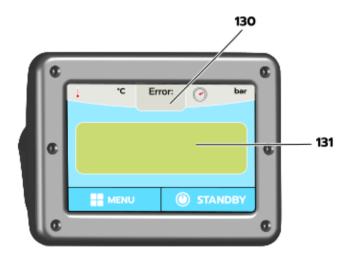


Figure 3.6-1 Error codes on display

130 Error code display

131 Troubleshooting indicator

Error code **130** display shows the error code that has occurred. Troubleshooting indicator **131** displays troubleshooting actions.

- → Press Troubleshooting indicator **131** on display for more information.
 - \Rightarrow Additional troubleshooting instructions are shown on the display.
- → Follow instructions on display.

3.6.1.1 Error codes

Error code	Acoustic warning signal	Description	Troubleshooting
E001	Yes	Water level in storage tank 31 too low.	→ Fill up storage tank 31.→ See 3.3.2.1 Fill storage tank.
E002	Yes	Water level below hot water module 30 .	→ Top up hot water module30.→ See 3.3.2.2 Fill hot water module.
E004	Yes	Level in filter tank 12 too high.	 → Empty the filter tank 12. → See 3.3.3 Filter tank. If filter tank 12 is heavily soiled: → Clean filter tank 12.

Table 3.6—1 Error Codes



3.6.2 Malfunctions

Error image	Possible Cause	Troubleshooting
Unit produces little or no steam. The appliance produces little hot water or no hot water.	Hot water module 30 is calcified.	→ Descale hot water module 30.→ See 4.2 Hot water module.
Steam is very humid.	Hot water module 30 is active.	 → Press the hot water button 116. → See 3.4.5.1 Deactivate the hot water function.
Hot water without function.	Hot water module 30 is disabled.	 → Activate hot water module 30. → See 3.3.2.2 Fill hot water module.
	Storage tank 31 is empty.	→ Fill storage tank 31.→ See 3.3.2.1 Fill storage tank.
Vacuum without function	Filter tank 12 is installed incorrectly.	→ Insert filter tank 12.→ See 3.3.3.4 Insert filter tank.
Low suction or no suction	Foreign objects or dirt accumulation in the steam and suction hose or accessories.	 → Clean steam and suction hose. → Clean accessories. → See 3.5.2 Clean attachments.
Device stops	Error code has occurred.	→ See 3.6.1.1 Error codes.→ Follow instructions.

Table 3.6—2 Malfunctions

3.6.3 Safety precautions



WARNING

Improper use! Risk of death.

- → Ensure that the device is used in compliance with the user manual.
- → Ensure that the intended use and safety chapters are followed.



INFO

The following situations relate exclusively to safety precautions when the device is active.

The following safety precautions relate exclusively to the device in this user manual.

Safety precautions are automatically activated when appropriate situations arise.

Situation when the device	Safety precaution	Remedial action
is activeFilter tank 12 is removed.	The following safety	No and filter to all 10
 Filter tank 12 becomes loose due to improper locking. 	precautions are active: - Contact switch is contactless. - Suction function stops. - UVC lamp goes out.	 → Insert filter tank 12 properly. → See 3.3.3.4 Insert filter tank.
 Steam and suction hose 50 is removed. Steam and suction hose 50 comes loose due to improper locking. 	The following safety precautions are active: - Contact switch is contactless. - Suction function stops. - Steam function stops. - Hot water function stops.	 → Plug in the steam and suction hose 50 properly. → See 3.3.4.1 Connect steam and suction hose.
 Power supply is interrupted. Accidental unplugging Power failure 	The following safety precautions are active: The device is in start mode after the power supply has been restored. All functions are disabled.	→ Select functions again.
Trigger 122 on manual control unit 53 is not pressed.	The following safety precautions are active: - Contact switch is contactless. - Steam function is locked.	→ Press trigger lever 122.
Storage tank 31 is opened.Hot water module 30 is opened.	Depressurised system ensures safe opening.	→ Fill storage tank 31.→ Fill hot water module 30.

Table 3.6.3-1 Safety Precautions

4 Maintenance

4.1 Document maintenance

Activity		Date	Remark	Name of maintenance personnel
	Hot water module			
	Boiler			
	O-rings			
	Filter			
	Miscellaneous			
	Hot water module			
	Boiler			
	O-rings			
	Filter			
	Miscellaneous			
	Hot water module			
	Boiler			
	O-rings			
	Filter			
	Miscellaneous			
	Hot water module			
	Boiler			
	O-rings			
	Filter			
	Miscellaneous			
	Hot water module			
	Boiler			
	O-rings			
	Filter			
	Miscellaneous			
	Hot water module			
	Boiler			
	O-rings			
	Filter			
	Miscellaneous			

Table 4.1—1 Document maintenance

4.2 Hot water module



INFO

Calcification caused by use.

→ Prevent operational disruptions caused by limescale deposits: Descale the hot water module regularly.

4.2.1 Prepare hot water module for maintenance

4.2.1.1 Remove the sound-insulated housing

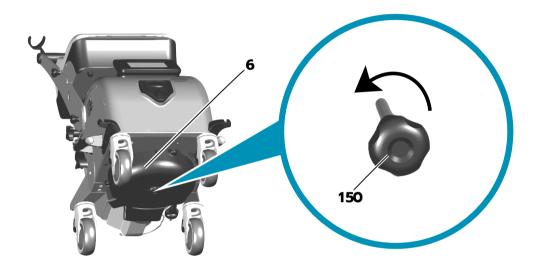


Figure 4.2-1 Remove the sound-insulated housing

6 Soundproof housing

150 Star screw

Ensure that the following requirements are met:

- Power supply is disconnected.
- → Open and unscrew star screw **150** on the sound-insulated housing **6**.
- → Tilt sound-insulated housing 6 backwards and unhook.
 - ⇒ Sound-insulated housing **6** is removed.

4.2.1.2 Empty the hot water module

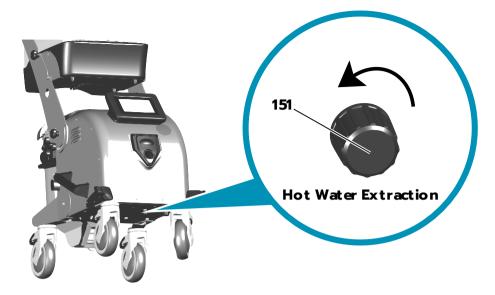


Figure 4.2-2 Empty the hot water module

151 Drain plug storage tank hot water module



INFO

Labelling.

Drain screw storage tank hot water module **151** is labelled with "Hot Water Extraction".

Ensure that the following requirements are met:

- Power supply is disconnected.
- A suitable collection container is available.
- The collection container has a capacity of around 2 litres.
- → Place a container under the drain plug for the hot water module storage tank 151.
- → Open the drain plug for hot water module storage tank **151** in an anti-clockwise direction and remove.
 - ⇒ Hot water module empties itself.

When the hot water module is completely empty:

→ Unscrew the drain plug for hot water module storage tank **151** and hand-tighten.

4.2.2 Rinse the hot water module



CAUTION

Improper use of descaler! injuries and property damage.

- → Ensure that the manufacturer's safety instructions are followed.
- → Ensure that accidental drops on surface are removed immediately.



INFO

Location-dependent water hardness.

→ Adjust the descaling interval according to the local water hardness.

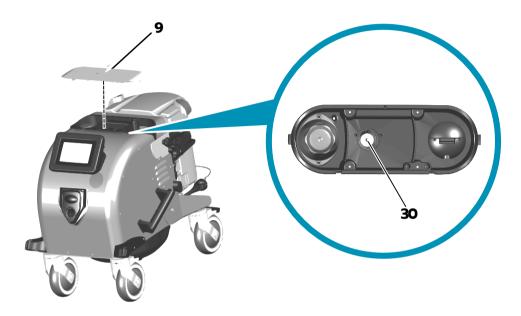


Figure 4.2-3 Rinse the hot water module

9 Filling openings cover

30 Hot water module



INFO

beam GmbH recommends:

durgol descaling agent

- → Order descaler in the online shop.
- → See https://www.dampfsauger-beam.de/startseite/

Ensure that the following requirements are met:

- Power supply is disconnected.
- Measuring cup ready.
- A suitable collection container is available.
- Vinegar essence or descaler is ready.
- Steam and suction hose **50** is connected.
- → Mix 0.3 litres of vinegar essence or descaler with 0.3 litres of tap water in a measuring cup.
- → Remove the cover for the filler openings **9**.
- → Remove the cap on hot water module **30**.
- → Pour the mixture from the measuring cup completely into hot water module **30**.
- → Establish power supply.
- → Turn on the device.
- → Press Extract button **103** on Display. See 3.4.2.1 Overview display.



- → Activate the hot water function. See 3.4.5 Activate the hot water function.
- → Squirt the complete mixture into a collection container.
- → Repeat the process until no more lime comes out.
- → Dissolve heavy limescale deposits: Increase exposure time.
 - ⇒ Hot water module **30** has been descaled.
 - ⇒ Steam and suction hose **50** has been descaled.
- Fill the hot water module **30** with 1 litre of tap water.
- → Rinse the device: Splash the tap water completely into the collection container.
- → Deactivate the hot water function. See 3.4.5.1 Deactivate the hot water function.
- → Turn off the device.
- → Install sound insulation housing **6** in reverse order. See 4.3.1.1 Remove the sound-insulated housing.

4.3 Boiler



INFO

Calcification caused by use.

→ Prevent operational disruptions caused by limescale deposits: Descale the boiler regularly.

If the steam output decreases or there are lime particles in the accessories:

→ Prefer decalcification.

4.3.1 Prepare boiler maintenance

4.3.1.1 Remove the sound-insulated housing

→ See 4.2.1.1 Remove the sound-insulated housing.

4.3.1.2 Empty storage tank



CAUTION

Hot water!

Scalds and injuries.

→ Ensure the boiler has cooled down to below 50°C before descaling.

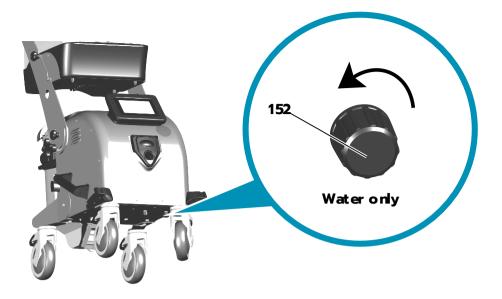


Figure 4.3-1 Empty storage tank

152 Drain plug Water only



INFO

Labelling.

Water only Drain plug 152 is labelled "Water only".

Ensure that the following requirements are met:

- Boiler temperature is below 50°C.
- Power supply is disconnected.
- A suitable collection container is available.
- The collection container has a capacity of around 2 litres.
- → Place a container under the Water only **152** drain plug.
- → Open the Water only drain plug **152** anti-clockwise and remove.
 - ⇒ Storage tank empties.

When the storage tank is completely empty:

→ Unscrew the Water only **152** drain plug and hand-tighten.

4.3.2 Descale the boiler



CAUTION

Chemical descaler and vinegar essence! injuries and property damage.

- → Ensure that the manufacturer's safety instructions are followed.
- → Ensure that accidental drops on surface are removed immediately.

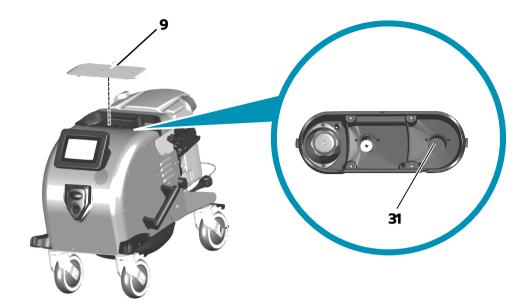


Figure 4.3-2 Fill in descaler

9 Filling openings cover

31 Storage tank



INFO

beam GmbH recommends:

durgol descaling agent

- → Order descaler in the online shop.
- → See https://www.dampfsauger-beam.de/startseite/

4.3.2.1 Start cleaning the boiler



CAUTION

Cancellation of the cleaning programme! injuries and property damage.

- → Ensure that the power supply is permanently available during the cleaning process.
- → Turn off the device only after performing the actions at 4.3.2.3 Rinse the boiler .

Ensure that the following requirements are met:

- Power supply is disconnected.
- Measuring cup ready.
- A suitable collection container is available.
- 1 litre descaler is ready.
- Steam and suction hose **50** is connected.
- → Open the cover of the filling openings 9.
- → Remove sealing cap on storage tank 31.
- → Pour the descaler completely into storage tank 31.
- → Establish power supply.



- → Turn on the device.
- → Press the Menu button **106** on the display. See 3.4.2.1 Overview display.
- → Press the maintenance button on the display.

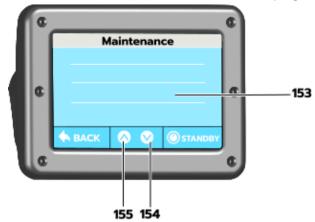


Figure 4.3-3 Select descaling programme

153 Programme selection 155 Up button 154 Down button

- → Press Down button 154 or top button 155 on the display until the start descaling programme is shown in programme selection 153.
- → Select start descaling programme at programme selection 153.



Figure 4.3-4 Start the descaling programme

156 Information field 157 OK button

- → Ensure that note in information field **156** is followed.
- → Ensure that the device is permanently switched on during the descaling programme.
- → Start the descaling programme with the OK button **157** on the display.
 - \Rightarrow Cleaning process starts.
 - ⇒ The descaling programme runs for 20 minutes.
 - ⇒ When the programme ends, an acoustic signal sounds.
 - ⇒ Message E013 is shown on the display.
- → Empty the boiler. 4.3.2.2 Empty the boiler.



4.3.2.2 Empty the boiler

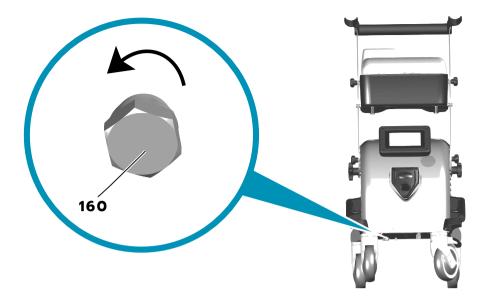


Figure 4.3-5 Empty the boiler

160 Boiler drain plug

Ensure that the following requirements are met:

- Boiler has cooled down.
- Device is switched on.
- A suitable collection container is available.
- A suitable tool for drain plug boiler **160** is available.
- → Ensure that the device is permanently switched on during the descaling programme.
- → Place a container under boiler drain plug **160** .
- → Open boiler drain plug **160** anti-clockwise and remove.
 - ⇒ Boiler empties itself.

When the boiler is completely empty:

- → Unscrew the drain plug for the boiler **160** and tighten properly.
- → Empty storage tank **31**: See 4.3.1.2 Empty storage tank.
- → Rinse the boiler. 4.3.2.3 Rinse the boiler.

4.3.2.3 Rinse the boiler



INFO

Insufficient level

If error message E001 appears in the display during the rinsing process, carry out the following procedure:

- → Refill storage tank **31**: See 3.3.2.1 Fill storage tank.
 - ⇒ Rinsing process continues automatically.
- → Fill storage tank **31** with clear tap water: See 3.3.2.1 Fill storage tank.
- → Press the OK button **157** on the display.



- ⇒ Rinsing process 1 starts.
- ⇒ Rinsing programme runs for 9 minutes
- ⇒ When the programme ends, an acoustic signal sounds.
- ⇒ Message E013 is shown on the display.
- → Empty the boiler: See 4.3.2.2 Empty the boiler.
- → Empty storage tank **31**: See 4.3.1.2 Empty storage tank.
 - ⇒ Device is ready for rinsing process 2.
- → Fill storage tank **31** with clear tap water: See 3.3.2.1 Fill storage tank.
- → Press the OK button **157** on the display.
 - ⇒ Rinsing process 2 starts.
 - ⇒ Rinsing programme runs for 9 minutes
 - \Rightarrow When the programme ends, an acoustic signal sounds.
 - \Rightarrow Error message E013 is shown on the display.
- → Empty the boiler: See 4.3.2.2 Empty the boiler.
- → Empty storage tank **31**: See 4.3.1.2 Empty storage tank.
 - ⇒ Boiler is descaled.
- → Install sound insulation housing **6** in reverse order. See 4.3.1.1 Remove the sound-insulated housing.



INFO

Commissioning after decalcification.

To restore the minimum water level in the boiler, carry out the following procedure:

- → Fill storage tank **31**: See 3.3.2.1 Fill storage tank.
- → Press the steam button **107** four times. See 3.4.2 Display.

4.4 Filters and o-rings

4.4.1 Maintenance of filters

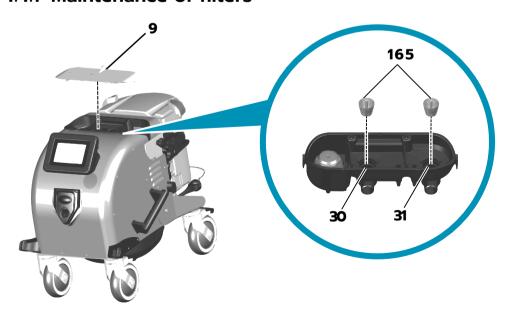


Figure 4.4-1 Maintenance of filters



31 Storage tank165 Filter insert



INFO

Protection against foreign bodies.

Filter insert **165** protects hot water module **30** and storage tank **31** from foreign bodies falling in.

If the filter insert is dirtu:

- → Open the cover of the filling openings 9
- → Remove the closure for the hot water module **30** and the closure for storage tank **31**.
- → Remove filter inserts 165.
- → Rinse filter inserts **165** under running water.
- → Insert filter inserts 165 again.
- → Close the cover of the filling openings **9**.

4.4.2 Maintenance of O-rings



INFO

Spare parts and accessories.

- → Order spare parts and accessories in the online shop.
- → See https://www.dampfsauger-beam.de/startseite/



INFO

Maintenance and Care.

To ensure function and long service life, observe the following points:

- → Check O-rings regularly to ensure they are in good condition.
- → Make sure all O-rings are properly in place.
- → Reduce wear: Wet the O-rings with a suitable lubricant or silicone agent.

4.4.2.1 Change O-rings on hand control unit

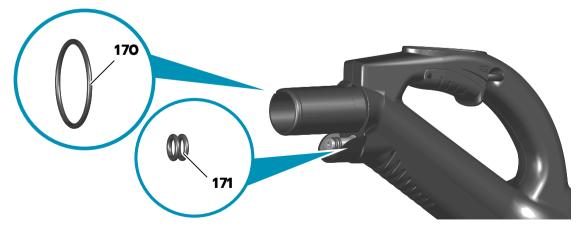


Figure 4.4-2 Changing the O-rings on the hand control unit

- → Perform visual inspection.
- → If necessary, replace the O-ring in suction tube 170.
- → If necessary, replace O-rings on nozzle tube 171.

4.4.2.2 Change the O-rings on the suction and steam hose



Figure 4.4-3 Change the O-rings on the suction and steam hose

175 O-rings nozzle tube (2x) 176 O-ring suction tube

- → Perform visual inspection.
- → If necessary, replace O-rings on nozzle tube 175.
- → If necessary, replace the O-ring in suction tube 176.

4.4.2.3 Change O-rings on the extension tube

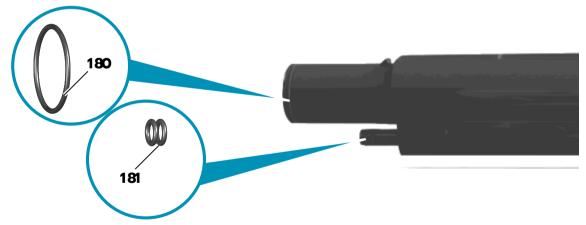


Figure 4.4-4 Changing the O-rings on the extension tube

180 O-ring suction tube

O-rings nozzle tube (2x) 181

- → Perform visual inspection.
- → If necessary, replace the O-ring in suction tube **180**.
- → If necessary, replace O-rings on nozzle tube 181.

