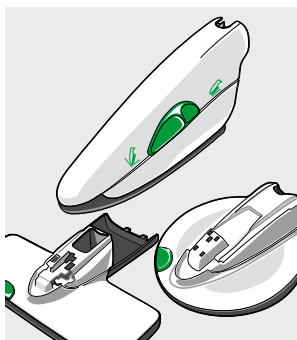
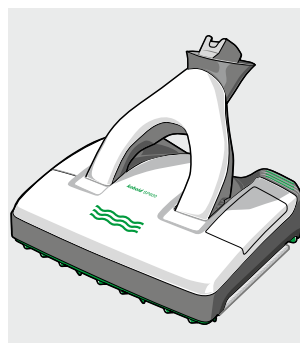
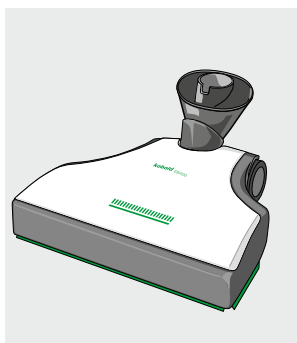
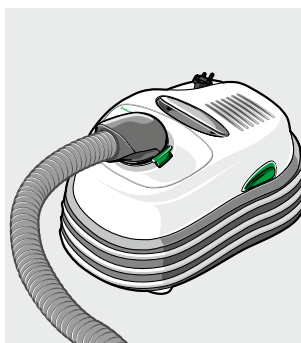


kobold

# INSTRUCTION MANUAL

## KOBOLD VT300

### CYLINDER VACUUM CLEANER AND ACCESSORIES





## PRELIMINARY REMARKS

Congratulations on the purchase of your new Kobold VT300 Cylinder Vacuum Cleaner. Delivering brilliant cleaning, the light and manoeuvrable Cylinder Vacuum Cleaner will perform for you and your home for many years. Its unique and practical accessories will bring joy to cleaning your home.





## BEFORE GETTING STARTED

1. Read the instruction manual carefully before using the Kobold VT300 Cylinder Vacuum Cleaner and accessories for the first time.
2. Keep the instruction manual for future use. It is an important part of the Cylinder Vacuum Cleaner and must be kept with it if you pass it on to someone else.

## CHARACTERS AND SYMBOLS

The symbols which appear in this instruction manual have the following meanings:

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	Warning symbols and warning notices are marked with this symbol and highlighted in grey
	Reference to Vorwerk customer service/support
	Information is marked with this symbol and highlighted in grey
	Reference to Vorwerk's Internet website

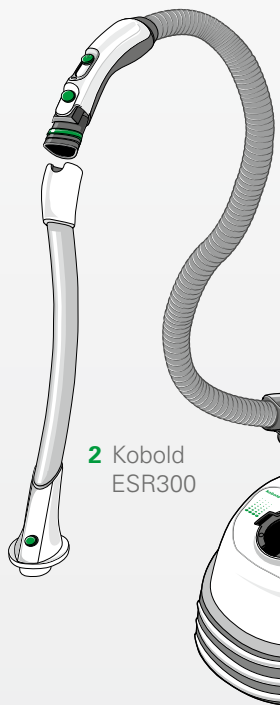
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1. 2. 3. Instructions are numbered

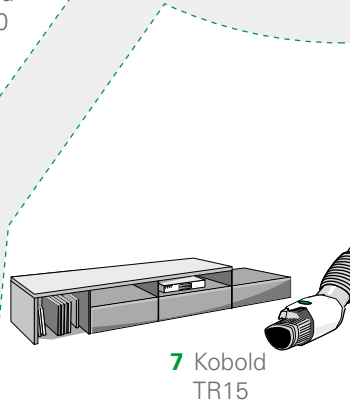
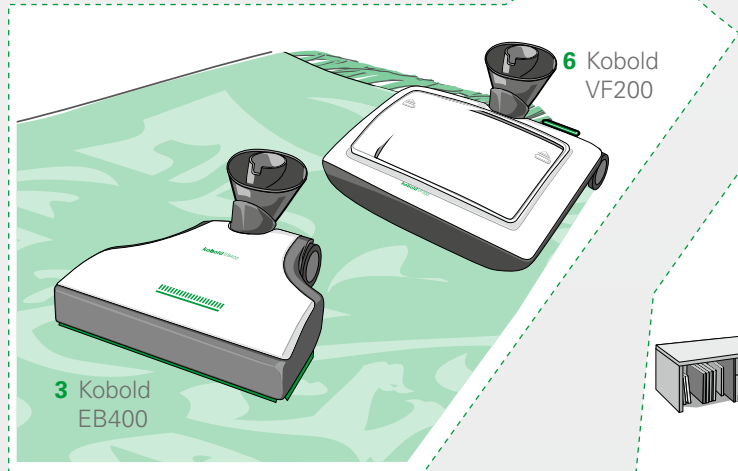
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**VARIETY OF DIFFERENT OPTIONS AND APPLICATIONS**  
**KOBOLD VT300 CYLINDER VACUUM CLEANER, ACCESSORY HEADS AND ACCESSORIES**

**Hard floors**



**Carpet**



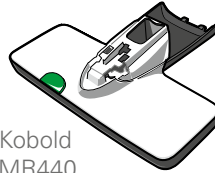
**Above floor**

## Mattresses

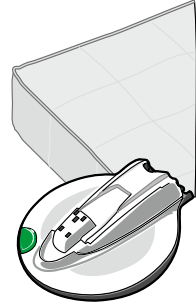
1 Kobold  
ESS300



11 Kobold  
PB440



12a Kobold  
MR440



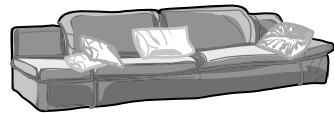
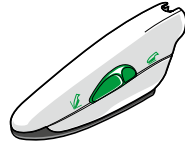
12b Kobold  
MP440

Kobold VT300

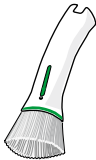


## Upholstery

11 Kobold  
PB440



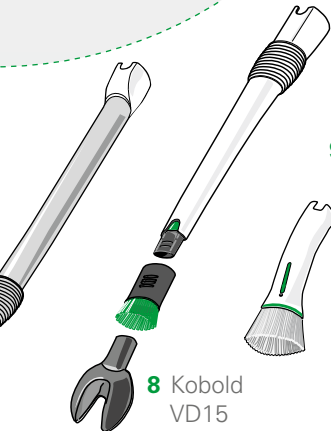
9 Kobold  
SD15



10 Kobold  
FD15



8 Kobold  
VD15





## LEGEND FOR THE ACCESSORY HEADS AND ACCESSORIES KOBOLD VT300 CYLINDER VACUUM CLEANER

<b>Number</b>	
<b>1</b>	Kobold ESS300 Electric Suction Hose
<b>2</b>	Kobold ESR300 Electric Suction Tube
<b>Hard floors</b>	
<b>3</b>	Kobold EB400 Automatic Electric Brush – for vacuuming and cleaning hard floors
<b>4</b>	Kobold HD60 Hard Floor Nozzle – for vacuuming hard floors
<b>5</b>	Kobold SP600 – for vacuuming and wet cleaning hard floors
<b>Carpet</b>	
<b>3</b>	Kobold EB400 Automatic Electric Brush – for vacuuming and cleaning carpets
<b>6</b>	Kobold VF200 Carpet Freshener – for cleaning carpets
<b>Above floor</b>	
<b>7</b>	TR15 Telescopic Tube
<b>8</b>	VD15 Variable Nozzle with Drilling Dust Attachment and Brush Tip
<b>9</b>	SD15 Soft Nozzle
<b>10</b>	FD15 Flexo Nozzle with cleaning brush attachment
<b>Upholstery</b>	
<b>11</b>	Kobold PB440 Electric Upholstery Brush
<b>Mattresses</b>	
<b>11</b>	Kobold PB440 Electric Upholstery Brush
<b>12a and 12b</b>	The Mattress Cleaning Set with the Kobold MR440 Mattress Vacuumer and the Kobold MP440 Mattress Freshener for the Kobold PB440 Electric Upholstery Brush – for cleaning mattresses

Nature and extent of the accessories included may vary. Accessories can be purchased as options. The illustrations shown in this instruction manual are meant to illustrate the functions of the Kobold VT300 Cylinder Vacuum Cleaner and its accessories. The illustrations may differ with respect to detail and proportions of the actual product.

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## SUITABILITY OF THE ACCESSORY HEADS FOR FLOORS

<b>Carpet type</b>	<b>Kobold EB400</b>	<b>Kobold VF200</b>	<b>Kobold SP600</b>	<b>Kobold HD60</b>
Loop-pile carpet				
Velour carpet	++	++	-	-
Berber carpet				
Deep-pile carpet (< 1.5 cm)				
Light rugs	+	-	-	-
Silk carpets				
Sisal flooring				
Fur				
Flokati				
Loosely woven carpets	-	-	-	-
Carpets with long interwoven fibres (Saxony)				
<b>Hard floor type</b>				
Sealed/varnished wooden floors (floorboards, parquet)	++	-	++	+
Oiled/waxed wooden floors	+	-	++	+
Unsealed/untreated wooden floors	-	-	•	+
Sealed cork floors	++	-	++	+
Oiled/waxed cork floors	+	-	•	+
Unsealed/untreated cork floors	-	-	•	+
Laminate	++	-	++	+
Elastic flooring (PVC, cushion vinyl, linoleum)	+	-	++	+
Stone floors (marble, granite, Jura limestone, artificial stone)	+	-	++ <sup>1)</sup>	+
Porous/delicate natural stone (slate, clinker tiles)	-	-	+ <sup>1)</sup>	+
Clay floors (terracotta, clinker, brick clay tiles)	+	-	++ <sup>1)</sup>	+
Ceramic glazed tiles and fine stoneware	++	-	++	+
Untreated tiled floors	-	-	•	+
Rough concrete flooring (washed concrete)	-	-	-	+

1) Only with cleaning cloth Kobold MF600 Universal Soft.

++ excellent suitability

- not suitable

+ very good suitability

• Only for dry cleaning with cleaning cloth Kobold MF600 Dry. No wet cleaning.

## Note!

Follow the detailed application instructions in the following chapters.

---

# 1 FOR YOUR SAFETY

Safety is at the forefront of all Vorwerk products. The product safety of the Kobold VT300 Cylinder Vacuum Cleaner and its accessories can however only be ensured if this chapter is followed.

## 1.1 INTENDED USE

### **Note!**

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

### **KOBOLD VT300 CYLINDER VACUUM CLEANER**

The Cylinder Vacuum Cleaner is solely intended for removing dust within domestic areas. This also includes use for typical household applications in shops, offices and similar work environments, agricultural operations, by customers in hotels, motels and similar living environments and in bed and breakfast operations. The Cylinder Vacuum Cleaner may only be used with the corresponding Vorwerk accessories.

- To find out what types of carpet and hard floors the accessory heads are suitable for, please refer to the table “Suitability of the accessory heads for floors” on page 8.

### **KOBOLD EB400 AUTOMATIC ELECTRIC BRUSH**

The Automatic Electric Brush may only be used in combination with a Kobold vacuum cleaner. It is intended only for the care of floors and carpets.

The Automatic Electric Brush is intended only for the types of carpet and hard flooring specified in the table “Suitability of the accessory heads for floors” on page 8.

The following carpet and flooring types must **not** be cleaned with the Automatic Electric Brush: Fur/skins, flokati rugs, carpets with long interwoven fibres (Saxony), loosely knotted or loosely woven carpets, thick deep-pile carpets, unsealed cork floors, unsealed soft wood floors, Belgian granite, sensitive natural stone floors, rough concrete floors (e.g. exposed aggregate concrete).

### **KOBOLD VF200 CARPET FRESHENER**

The Carpet Freshener may only be used in combination with a Kobold vacuum cleaner.

It is intended only for the care of carpets and rugs.

The Carpet Freshener is intended only for the types of carpet specified in the table “Suitability of the accessory heads for floors” on page 8.

The following carpet types must **not** be cleaned with the Carpet Freshener:

deep-pile carpets >1.5 cm, fur rugs, flokati rugs, carpets with long interwoven fibres (Saxony), loosely knotted or loosely woven carpets, silk carpets.

---

### **KOBOLD SP600**

The SP600 may only be used in combination with a Kobold vacuum cleaner. Your Kobold SP600 should be used solely for cleaning hard floors in domestic areas. Only operate the device on mains voltage of 220 to 240 volts. It is only intended for use on the types of hard floors specified on page 8. It is suitable for use on any floors that can be wet cleaned according to the manufacturer's recommendations. The following types of flooring must **not** be wet cleaned: untreated cork flooring, untreated tiled flooring, untreated soft wood flooring.

### **KOBOLD PB440 ELECTRIC UPHOLSTERY BRUSH**

The Electric Upholstery Brush may only be used in combination with a Kobold vacuum cleaner and the corresponding Electric Suction Hose. It is intended only for the care of upholstered furniture.

### **KOBOLD MP440/MR440 MATTRESS CLEANING SET**

The Mattress Cleaning Set may only be used in combination with a Kobold vacuum cleaner and the Kobold Electric Upholstery Brush. It is intended only for the care of mattresses.

### **KOBOLD HD60 HARD FLOOR NOZZLE**

The Hard Floor Nozzle may only be used in combination with a Kobold vacuum cleaner. The Hard Floor Nozzle is intended only for the care of smooth hard floors in the home.

## 1.2 HAZARD WARNINGS

### **Note!**

- Read the instruction manual carefully before using the Kobold VT300 Cylinder Vacuum Cleaner and accessories for the first time.
- Observe the following notes in particular.
- Keep the instruction manual for future use. It is an important part of the Cylinder Vacuum Cleaner and must be kept with it if you pass it on to someone else.

### **Risk of electric shock!**

- Always switch the device off and disconnect the mains plug before all retrofitting, cleaning and maintenance work.
- Turn off the device by using the switch of the Kobold VT300 Cylinder Vacuum Cleaner and then disconnect the mains plug before leaving the device unattended.
- Never pull the mains plug from the socket by the power cord, only by the plug.
- Do not vacuum liquids, damp dirt or damp floor mats or carpets.
- Do not use the device in damp environments.
- Do not use the electrical accessories on wet surfaces or outdoors under any circumstances.
- Never use water, wet cleaning agents or a damp cloth to clean your device or electrical accessories.
- Never drive over the power cord or other cables on the floor when using the motorised accessory heads, the Kobold EB400 Automatic Electric Brush or the Kobold SP600.

- 
- The Kobold SP600 is only suitable for use on floors. Only clean horizontal surfaces with the Kobold SP600.
  - Never perform repairs on your device yourself. Repairs to electric appliances may only be carried out by your authorised Vorwerk Customer Service Centre.
  - Do not insert any pointed objects into the electrical contacts.
  - Do not modify the electrical contacts.
  - Never carry the device by the power cord.
  - Do not continue using the Kobold VT300 Cylinder Vacuum Cleaner, the electrical accessory heads or the power cord if they become damaged.
  - Ensure that the inspection flap of the Kobold SP600 is kept free of dirt.
  - For your own safety, turn off the Cylinder Vacuum Cleaner using the switch on the handle every time you replace the Kobold MF600 cleaning cloth.
  - Never pour water over the device and never hold it under running water.
  - Should water get into the device, ensure that both the Kobold VT300 Cylinder Vacuum Cleaner and the accessory head are completely dry before using them again.
  - In case of damage, contact your Vorwerk Customer Service Centre.

**Warning! The Kobold ESS300 Electric Suction Hose has electrical connections.**

- Do not use it to vacuum water.
- Do not submerge in water for cleaning purposes.
- The hose must be checked regularly and should not be used if damaged.

### **Fire hazard!**

- Do not vacuum glowing ash or burning cigarettes.

### **Risk of burning!**

- Do not pour hot or boiling water into the tank of the Kobold SP600.

### **Explosion hazard!**

- Do not vacuum up explosive or readily inflammable substances.
- Do not use oil-based cleaning agents, cleaning agents containing irritants, solvents or chlorine, or flammable cleaning agents and, in particular, do not pour these into the tank of the Kobold SP600.
- Never mix different cleaning agents and care products.

### **Choking hazard due to swallowing small parts!**

- Regularly check the condition of the cleaning cloth and replace it with a new one if required.
- Keep small parts, such as Dovina fragrance chips and the cover of the inspection opening on the Kobold HD60 Hard Floor Nozzle, out of the reach of children.

### **Risk of injury!**

- The inspection flap on the Kobold SP600 is closed using a magnet. Keep the magnet away from pacemakers, internal defibrillators and other active implants. Alert those concerned.

### **• Risk of injury due to negative pressure!**

- Do not vacuum any body parts. Do not vacuum near children or pets.
- Do not vacuum hair on the head.



---

### **Pinching hazard!**

- Keep clear of the moving parts on the accessory heads.

### **Loss of suitability for allergy sufferers!**

- Use original Kobold filters and filter bags only.  
Do not reuse spent filter bags.

### **Risk of injury due to sharp fragments of plastic!**

- Do not use the device if plastic components have been damaged due to falling or impacts. Protect yourself against fragments with sharp edges.

### **Caution! Risk of falling and causing injury!**

- The Kobold VT300 Cylinder Vacuum Cleaner with the accessory head in standby position must be placed on a level surface.
- Never use the Kobold VT300 Cylinder Vacuum Cleaner to support yourself.
- Never stand on the accessory heads.

### **Note! Risk of damage from improper use!**

- Only use original Kobold products.
- Only operate the device with alternating current voltage on a connection properly installed by a qualified electrician.
- Only operate the device with the alternating current voltage stated on the type plate.
- The Kobold motor protection filter must be installed to operate the device.
- Only use the device with an original FP200 3in1 Premium Filter Bag.
- Never use the Kobold SP600 without the cleaning cloth.



- Before switching on the device, make sure that there are no small stones, granulates such as cat litter or other pointed or sharp-edged objects under the cleaning cloth.
- Never work on the same spot for more than 10 seconds.
- Never leave the Kobold SP600 standing on the floor with a wet cleaning cloth for a longer period of time (more than 30 seconds). This can cause damage to delicate flooring.
- Only use original Kobold cleaning agents. When working with the Kobold SP600, never use acid cleaning agents (e.g. vinegar-based cleaner) or highly alkaline cleaning agents (e.g. chlorine bleaching).
- Do not pour any cleaning agents or care products containing polymers into the tank of the Kobold SP600.
- For delicate floors, such as floors which are not permanently sealed (oiled cork, oiled parquet, coated, oiled stoneware), we recommend that you first test the device in an inconspicuous area to prevent damage to the floor.
- Do not apply any moisture when using the Kobold MF600 Dry cleaning cloth.
- Keep credit cards, electronic storage media and other objects that are sensitive to magnetic fields away from the magnetic inspection flap on the Kobold SP600.

The device complies with the safety regulations of the country where it was sold by an authorised Vorwerk organisation. If the device is used in a different country, compliance with local safety standards cannot be guaranteed. Therefore, Vorwerk assumes no liability for resulting safety risks for the user.

### 1.3 DANGER LEVELS

1. For your safety, please observe the hazard warnings in the text of the chapters that follow.

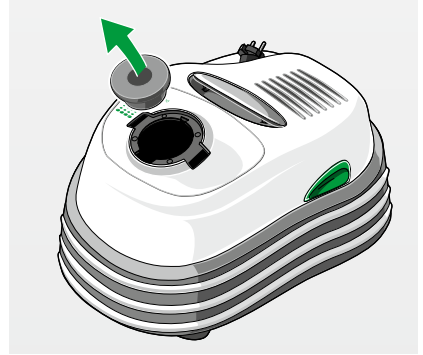
You can identify the hazard warnings in the following chapters by the warning symbol and/or a signal word indicating a danger level:

Danger level	Warning symbol	Signal word	Possible risks
3		<b>WARNING</b>	<ul style="list-style-type: none"><li>– Risk of electric shock</li><li>– Fire hazard</li><li>– Explosion hazard</li></ul>
2		<b>CAUTION</b>	<ul style="list-style-type: none"><li>– Risk of injury</li></ul>
1		<b>NOTE</b>	<ul style="list-style-type: none"><li>– Risk of damage from improper use</li><li>– Property damage from improper use</li></ul>

## 2 GETTING STARTED

In this chapter you will learn how to set up your Kobold VT300 Cylinder Vacuum Cleaner for use. You will get to know the basic functions of your Cylinder Vacuum Cleaner and how to use it properly.

Your Cylinder Vacuum Cleaner is supplied with a stopper to better protect it against damage in transit. You must first remove this stopper before you can use the Cylinder Vacuum Cleaner.



### 2.1 MAINS CONNECTION

#### 2.1.1 PULLING OUT AND REWINDING THE POWER CORD

##### WARNING


###### Risk of electric shock!

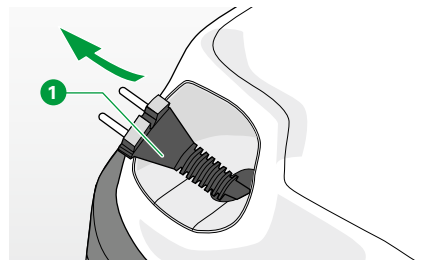
- Disconnect the mains plug from the socket before using the cable reel to wind the power cord back into the device!

##### CAUTION

###### Danger of damaging electrical parts!

- Make sure the device and power cord are not damaged during winding up.

1. Carefully pull out the power cord  from the Kobold VT300 Cylinder Vacuum. When you see the red mark on the power cord, this means that the power cord can be pulled out another 50 cm or so.
2. To rewind the power cord, pull the power cord a little way out (approx. 2.5 cm).  
*The power cord will automatically wind back into the device.*



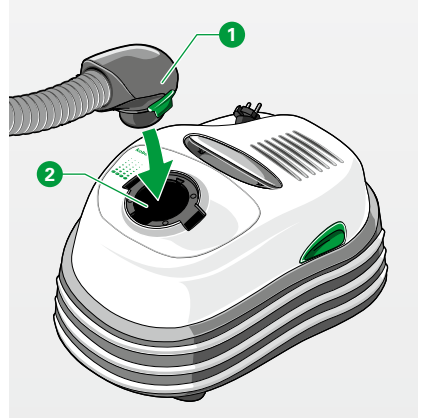
#### 2.1.2 CONNECTING THE POWER CORD

1. Connect the mains plug to the socket.

## 2.2 ATTACHING THE ACCESSORY HEAD

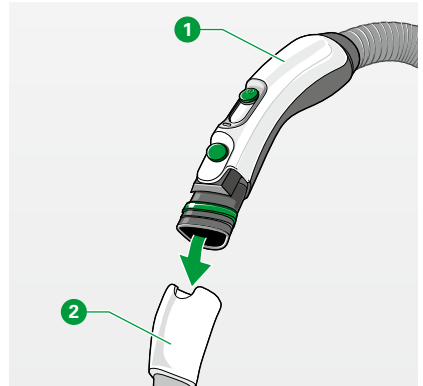
### 2.2.1 ATTACHING THE KOBOLD ESS300 ELECTRIC SUCTION HOSE

1. Take the Kobold ESS300 Electric Suction Hose and place the attachment socket **1** over the opening **2** on the Cylinder Vacuum Cleaner and press down.
2. Make sure that the attachment socket clicks into place on both sides.  
*Once the attachment socket is locked into position, the Electric Suction Hose can be freely rotated on the Cylinder Vacuum Cleaner.*



### 2.2.2 ATTACHING THE KOBOLD ESR300 ELECTRIC SUCTION TUBE

1. Place the handle of the Electric Suction Hose **1** into the connector on the Electric Suction Tube **2**.
2. Make sure that the handle **1** clicks into place in the connector **2**.



## NOTE

If you don't want to use your device for cleaning floors but for other surfaces above floor level, continue with chapter "2.3.2 Carrying the Kobold VT300 Cylinder Vacuum Cleaner" on page 23.

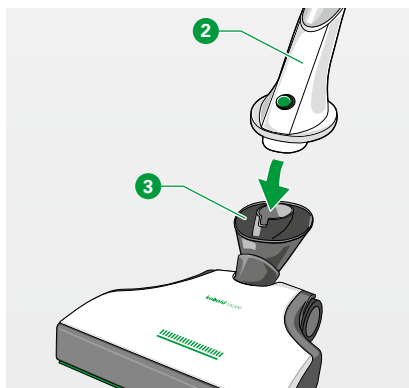
### 2.2.3 ATTACHING THE ACCESSORY HEAD

You can use the following accessory heads to clean your floor:

- Kobold EB400 Automatic Electric Brush
- Kobold HD60 Hard Floor Nozzle
- Kobold SP600

The attachment process is the same for all three accessory heads:

1. Place the attachment socket of the Electric Suction Tube **2** into the joint **3** on the accessory head, as illustrated here using the example of the Automatic Electric Brush.
2. Make sure that the attachment socket **2** clicks into the joint **3**.



---

## 2.3 STANDBY POSITION AND POWER SETTING

In combination with an accessory head, you can either use your Kobold VT300 Cylinder Vacuum Cleaner in the power setting or set it into standby position.

### 2.3.1 PLACING THE DEVICE IN THE STANDBY POSITION

#### CAUTION

##### **Caution! Risk of falling and causing injury!**

The standby position is used to park the device after you have finished working with it or when you take a break.

- The Kobold VT300 Cylinder Vacuum Cleaner with the accessory head in standby position must be placed on a level surface.
- Never use the Kobold VT300 Cylinder Vacuum Cleaner to support yourself.

#### NOTE

##### **Risk of damage when the device starts up automatically.**

- Note that the Kobold VT300 Cylinder Vacuum Cleaner starts up automatically when you take it out of the standby position if you have not first switched off the mains switch.

The standby position is used to store your Cylinder Vacuum Cleaner when you are not using it. You can also “park” it in this position if you want to take a short break while cleaning. In the standby position, the device stands upright and firmly on the floor.

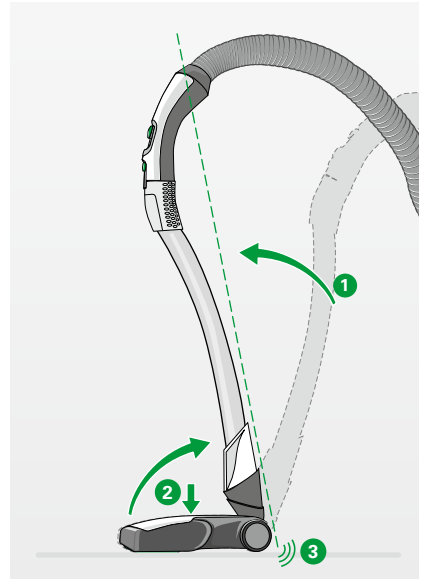
You can only place the Cylinder Vacuum Cleaner in standby position when it is centred.

1. Position the Kobold ESR300 Electric Suction Tube so that it is exactly vertical above the accessory head and tilt it slightly forward **1** so that it locks into place in the joint on the accessory head **3**.

*The Electric Suction Tube and accessory head will then stand upright on the floor.*

2. If you will not be using your Cylinder Vacuum Cleaner for some time, disconnect the mains plug and store the device properly.

**i** If you put the Kobold VT300 Cylinder Vacuum Cleaner with the Kobold EB400 Automatic Electric Brush, the Kobold VF200 Carpet Freshener or the Kobold SP600 into the standby position and have not switched it off via the main switch, the Cylinder Vacuum Cleaner automatically switches off the fan, and the brush of the EB400/VF200 or the cloth holder of the SP600 will stop. The filter fill level indicator and the control lights of the accessory head continue to be lit.





### 2.3.2 CARRYING THE KOBOLD VT300 CYLINDER VACUUM CLEANER

#### **WARNING**

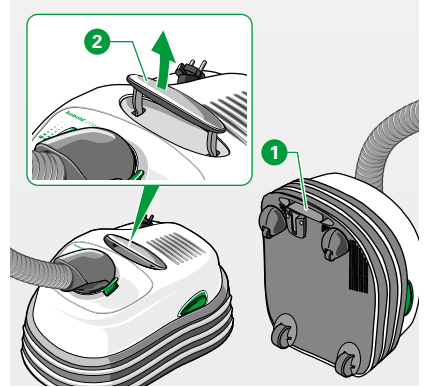
##### **Risk of electric shock!**

- Never carry the Kobold VT300 Cylinder Vacuum Cleaner by the power cord.

If you want to use the Cylinder Vacuum Cleaner in different areas around the home or on the stairs, there are two ways to carry it:

- by the recessed grip **1** underneath the device at the front
- by the carry handle **2** on the top

1. You will need to pull out the carry handle **2** in order to use it.

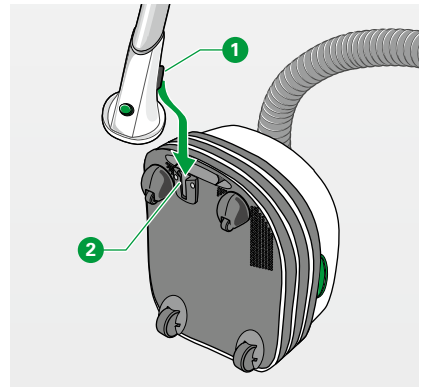


### 2.3.3 PUTTING AWAY AND STORING THE DEVICE

Once you have finished using the device, it can be put away as follows:

1. Put the Cylinder Vacuum Cleaner in an upright position.
2. Clip the hook on the attachment socket of the Kobold ESR300 Electric Suction Tube **1** into the suction tube holder **2** on the underside of the Kobold VT300 Cylinder Vacuum Cleaner.

*This will allow the Cylinder Vacuum Cleaner and Electric Suction Tube to be stored efficiently, taking up as little space as possible. The accessory head can remain attached and will hang downwards.*



## 2.4 SWITCHING THE DEVICE ON AND OFF, SETTING THE POWER PERFORMANCE LEVEL

### 2.4.1 SWITCHING ON

1. Switch the Kobold VT300 Cylinder Vacuum Cleaner on by sliding the main switch **1** from position **2** forwards **3**.

### 2.4.2 SETTING THE POWER PERFORMANCE LEVEL

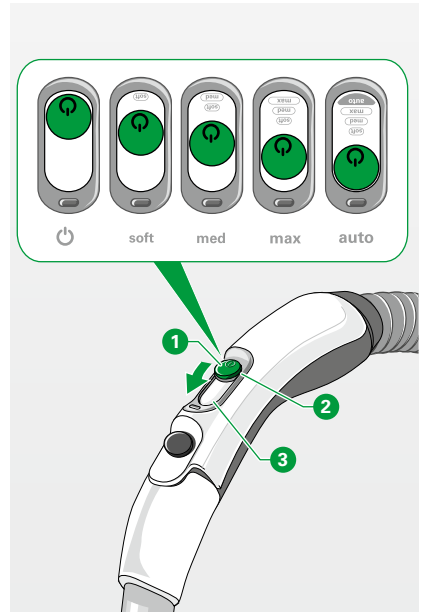
In general, we recommend power performance level auto (automatic suction power).

**i** When the Kobold EB400 Automatic Electric Brush is used, the suction power is regulated automatically if the power performance level 'auto' has been set using the main switch **1**.



1. To manually set the suction power levels with the main switch **1**, proceed as follows:

auto automatic suction power (recommended)  
 soft minimum power  
 med medium power  
 max maximum power

**i** We recommend vacuuming with the power performance level auto when using all accessory parts. The other power levels are specially intended for specific uses. You will find these in the chapters on the accessory parts.



## 2.4.3 FUNCTION KEY

 The function key  is only active when using the Kobold EB400 Automatic Electric Brush or the Kobold SP600.

### FUNCTION KEY WITH THE KOBOLD EB400 AUTOMATIC ELECTRIC BRUSH

Chapter “3.1.1 Operating display and floor mode” on page 29 tells you how to set the floor detection function and switch between floor types using the function key.

### FUNCTION KEY WITH THE KOBOLD SP600

Chapter “3.4.8 Automatic application of moisture and dry mode” on page 54 tells you how you can control the level of moisture on the Kobold SP600.

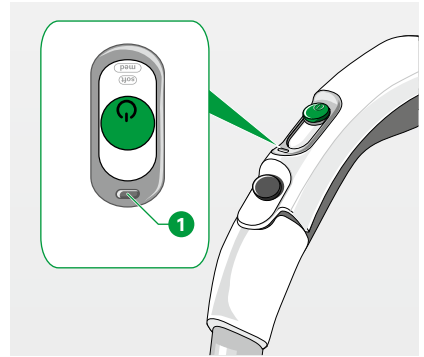
## 2.4.4 SWITCHING OFF THE DEVICE

1. To switch the Cylinder Vacuum Cleaner off, slide the main switch all the way back.

## 2.5 FILTER FILL LEVEL INDICATOR, FILTER BAGS, MOTOR PROTECTION FILTER

### 2.5.1 FILTER BAG AND MOTOR PROTECTION FILTER

The FP300 3in1 Premium Filter Bag and the motor protection filter are already installed in your Cylinder Vacuum Cleaner on delivery. See section “4 Maintenance” on page 77 to find out how to change the 3in1 Premium Filter Bag (chapter “Changing the FP300 3in1 Premium Filter Bag” on page 80) and how to replace or clean the motor protection filter (chapter “Cleaning and/or replacing the motor protection filter on the Kobold VT300 Cylinder Vacuum Cleaner” on page 82).



**i** The filter cover **1** of the Cylinder Vacuum Cleaner is equipped with a cover lock. It cannot be closed unless a 3in1 Premium Filter Bag is installed.

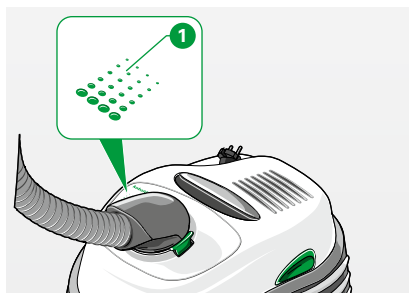
## NOTE

### Risk of damage due to closing the filter cover by force.

- Do not use force to close the filter cover.
- Only use the device with a correctly inserted, original FP300 3in1 Premium Filter Bag from Vorwerk.

### 2.5.2 FILTER FILL LEVEL INDICATOR

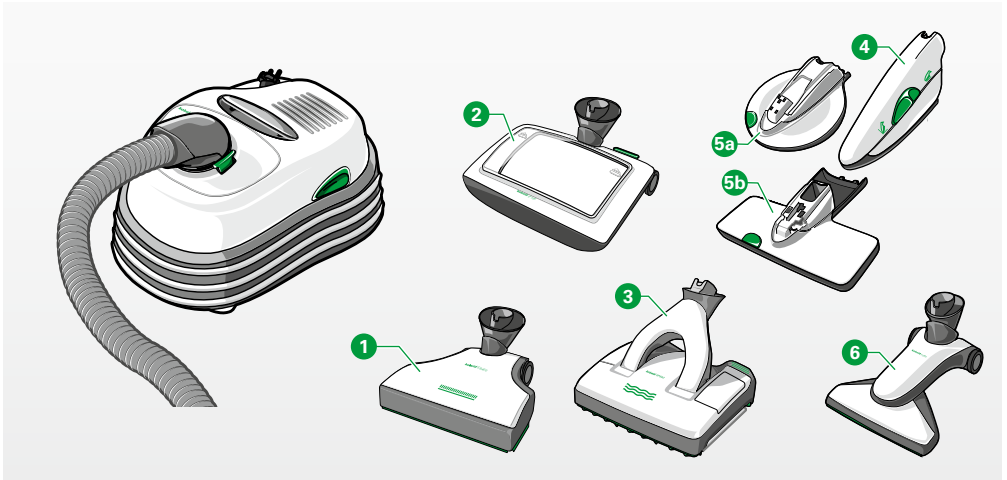
The filter fill level indicator **1** with six rows of lights tells you when you need to replace the 3in1 Premium Filter Bag or if there is a fault:



Filter fill level indicator	Status of the FP300 3in1 Premium Filter Bag
All rows lit up green.	The filter bag is empty.
4 or 2 rows lit up green.	Filter bag is filling up (replacement not yet required).
All rows lit up yellow.	Filter bag must be replaced (see chapter "Changing the FP300 3in1 Premium Filter Bag" on page 80).
All rows flashing red.	Fault (see chapter "5 Troubleshooting" on page 93).

### 3 OPERATION

Depending on the accessory head or accessories you are using, continue with one of the following chapters:



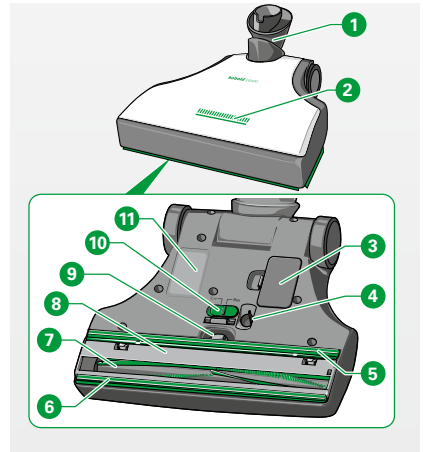
Accessory head	Application	Chapter/page
1 Kobold EB400 Automatic Electric Brush	Vacuuming and cleaning carpets and hard floors	page 28
2 Kobold VF200 Carpet Freshener	Cleaning carpets with Kobosan	page 34
3 Kobold SP600	Vacuuming and wet cleaning hard floors	page 42
4 Kobold PB440 Electric Upholstery Brush	Vacuuming upholstery surfaces and recesses	page 63
5a Kobold PB440 Electric Upholstery Brush combined with	Cleaning and vacuuming mattresses with Lavenia	page 63
5b Kobold MP440/MR440 Mattress Cleaning Set		
6 Kobold HD60 Hard Floor Nozzle	Vacuuming smooth hard floors	page 70
Additional accessories	Vacuuming surfaces, corners, joints etc. of furniture	page 71

### 3.1 KOBOLD EB400 AUTOMATIC ELECTRIC BRUSH

The Automatic Electric Brush performs equally well on carpets and hard floors. For especially thorough carpet cleaning, the Automatic Electric Brush has its own motor that drives the integrated roller brush. The diagram shows the Automatic Electric Brush and its operating elements.

The Automatic Electric Brush with its versatile functionality can be used on most floors.

1. Nevertheless, please make sure that the Automatic Electric Brush is suitable for your floor before using it (see table on page 8).



#### **⚠ WARNING**

##### **Risk of electric shock!**

- Never drive your Kobold EB400 Automatic Electric Brush over the power cord or other cables on the floor.

#### **⚠ CAUTION**

##### **Pinching hazard!**

- Stay clear of the moving parts on the Kobold EB400 Automatic Electric Brush.

#### **NOTE**

##### **Risk of damage from improper use!**

- Avoid working with the device in one specific spot for a prolonged period of time.
- Avoid vacuuming up rugs/fringes.

#### **Legend**

- |           |   |
|-----------|---|
| <b>1</b>  | Pivot   |
| <b>2</b>  | Carpet/hard floor operating display               |
| <b>3</b>  | Inspection flap                                   |
| <b>4</b>  | Ultrasound sensor                                 |
| <b>5</b>  | Rear sealing lip                                  |
| <b>6</b>  | Front sealing lip                                 |
| <b>7</b>  | Roller brush                                      |
| <b>8</b>  | Floor plate                                       |
| <b>9</b>  | Supporting roller                                 |
| <b>10</b> | Switching between modes on hard floor (flex/fine) |
| <b>11</b> | Type plate  |

### 3.1.1 OPERATING DISPLAY AND FLOOR MODE

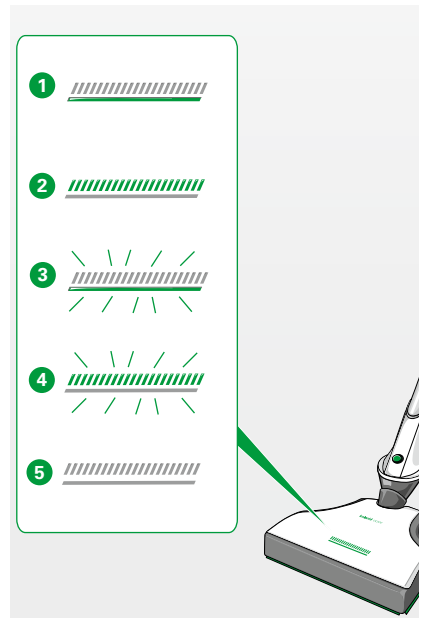
There are four operating modes for cleaning floors with the Automatic Electric Brush. The selected operating mode is shown on the display:

LED display	Operating mode
1 Bar lit continuously	Automatic hard floor mode The Automatic Electric Brush has detected a hard floor using intelligent floor detection and automatically vacuums in hard floor mode.
2 Fringes lit continuously	Automatic carpet mode The Automatic Electric Brush has detected carpet using intelligent floor type detection and automatically vacuums in carpet mode.
3 Bar flashes slowly	Manual hard floor mode You have manually switched to hard floor mode using the function key on the handle of the Cylinder Vacuum Cleaner.
4 Fringes flash slowly	Manual carpet mode You have manually switched to carpet mode using the function key on the handle of the Cylinder Vacuum Cleaner.
5 LED display not lit.	Brush mode deactivated The Automatic Electric Brush is deactivated by holding down the function key 1 on the handle of the Cylinder Vacuum Cleaner for approx. 5 seconds. This is recommended for deep pile or very thick carpets. Hold down the function key 1 again for approx. 5 seconds to reactivate brush mode.

### 3.1.2 INTELLIGENT FLOOR TYPE DETECTION

The Automatic Electric Brush is equipped with intelligent floor detection. The electronic brush detects the floor type to be cleaned via a sensor and automatically adjusts the suction process for the different floor types: hard floors or carpet.

The Automatic Electric Brush starts with intelligent floor detection as soon as you switch on the Vacuum System using the main switch.

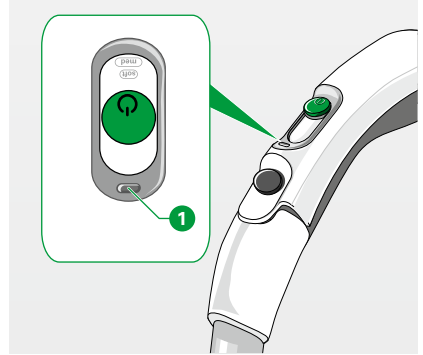


### 3.1.3 MANUALLY SWITCHING BETWEEN HARD FLOOR/CARPET MODE

You can also set the floor mode manually using the function key **1** on the handle of the Cylinder Vacuum Cleaner.

1. Select the correct power performance level for your floor according to the table on page 32.
2. Press the function key **1** on the main switch of the Cylinder Vacuum Cleaner to switch between hard floor mode and carpet mode.

*The operating display (figure on page 29) flashes when the mode is manually set.*



### 3.1.4 REACTIVATING INTELLIGENT FLOOR DETECTION

When you manually change the operating mode, intelligent floor detection is deactivated.

1. You can reactivate the automatic function by switching the Cylinder Vacuum Cleaner off and back on again.

### 3.1.5 FLOOR CLEANING

#### **⚠ CAUTION**

##### **Risk of injury from debris flying out!**

- Avoid abruptly placing the device on loose, coarse debris (e.g. glass shards), especially at eye level.
- Switch off the Kobold VT300 Cylinder Vacuum Cleaner before lifting up the EB400 Automatic Electric Brush.

#### **NOTE**

##### **Risk of damage from improper use!**

- Avoid working with the device in one specific spot for a prolonged period of time.
- Avoid vacuuming up rugs/fringes.



## SWITCHING BETWEEN FLEX/FINE


Flex setting	Your Automatic Electric Brush is perfectly pre-set with the flex setting for everyday vacuuming.
Fine setting	You can adjust the Automatic Electric Brush specifically for vacuuming fine dust from joints and cracks. You will obtain maximum dust collection, for instance from a wooden floor with lots of joints, with the fine setting.


### CAUTION

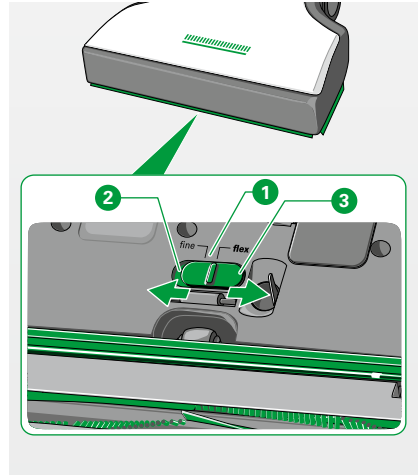
#### Risk of injury due to the rotating brush!

- Always switch the Kobold VT300 Cylinder Vacuum Cleaner off at the main switch before changing the setting on the bottom of the Kobold EB400 Automatic Electric Brush.

1. Switch the Cylinder Vacuum Cleaner off at the main switch.  
*The Automatic Electric Brush automatically defaults back to carpet mode.*
2. Move the slider **1** on the underside of the device to position **2** (fine) for fine dust from joints or position **3** (flex) for picking up coarse material from smooth floors.

 We generally recommend the flex setting. Only select the fine setting for floors with large joints or cracks, such as wooden floorboards.

 When the Kobold EB400 Automatic Electric Brush is in hard floor mode, the slider cannot be operated. In this case, switch the Kobold VT300 Cylinder Vacuum Cleaner off and back on again at the main switch to set the Kobold EB400 Automatic Electric Brush to carpet mode.




## TIPS FOR BRUSH-SUCTION

We generally recommend using the power performance level auto. On this power setting, the fully automatic propulsive force control makes it possible to achieve a smooth sliding motion that is adjusted to the floor type. The other power performance levels are specially intended for specific types of carpet:

Power performance level	With normal function for the floor types
<b>soft (50 W)</b>	<ul style="list-style-type: none"> <li>– light rugs, floor mats</li> <li>– silk carpeting</li> <li>– carpets with fringes</li> <li>– delicate deep-pile carpeting</li> <li>– deep-pile carpeting</li> <li>– very thick velour carpeting</li> </ul>
<b>auto or med, max</b>	<ul style="list-style-type: none"> <li>– hard floors</li> <li>– stairs</li> <li>– Sisal floors</li> </ul>

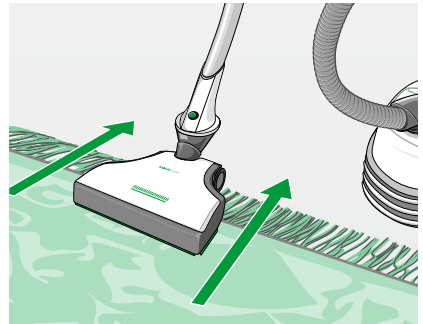
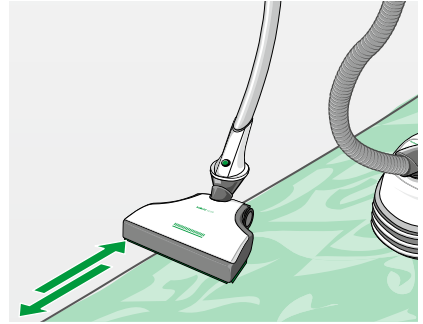
1. Use the max power performance level for carpeted floors with excessive amounts of fine dust.
2. Floor detection should always be activated when using the Automatic Electric Brush.
3. Set the correct power performance level according to the table.
4. If you want to brush-suction a delicate floor even more gently, activate hard floor mode using the function key before even moving onto the surface.
5. Every time you switch on the Cylinder Vacuum Cleaner, you will need to switch back to hard floor mode if you want to continue using this, as the hard floor mode is automatically deactivated when the Cylinder Vacuum Cleaner is switched off.
6. Move the device evenly back and forth.

 For vacuuming under furniture with little ground clearance, set the Automatic Electric Brush to the power setting and lay the Cylinder Vacuum Cleaner flat on the floor.

**i** If you put the Kobold VT300 Cylinder Vacuum Cleaner in the standby position temporarily, the rotating brush shuts off automatically.

### 3.1.6 ON CARPET OR TEXTILE FLOORING

1. Never let the device work in one place for a longer period, otherwise the carpet may be damaged.
2. Keep moving the device back and forth during operation.
3. To make sure that the Automatic Electric Brush cleans the area in front and at the sides right up to the edges,
4. vacuum with the side of the brush parallel to the edge.



**i** The rotating roller brush can also work 'mechanically' and comb the fringes of a rug when used in hard floor mode. Only pull the Kobold EB400 Automatic Electric Brush over the fringes backwards, away from the carpet.

### 3.1.7 COMBINATION WITH OLDER VACUUM CLEANER MODELS

**i** If you use the Kobold EB400 Automatic Electric Brush in combination with the Kobold VT270 Cylinder Vacuum Cleaner or older models, the manual switch between modes and the suction regulation in the 'auto' setting are not available.

## 3.2 KOBOLD VF200 CARPET FRESHENER

Use the Kobold VF200 Carpet Freshener to professionally clean your carpet. This chapter tells you how.


1. Before you start using the Carpet Freshener, vacuum the carpet as usual with the Automatic Electric Brush (see chapter “3.1.1 Operating display and floor mode” on page 29).
2. Remove the Automatic Electric Brush from the Cylinder Vacuum Cleaner (see chapter “2.2 Attaching the accessory head” on page 19).
3. Now attach the Carpet Freshener to the Cylinder Vacuum Cleaner (see chapter “2.2 Attaching the accessory head” on page 19).


### 3.2.1 CARPET CLEANING WITH THE KOBOLD VF200 CARPET FRESHENER

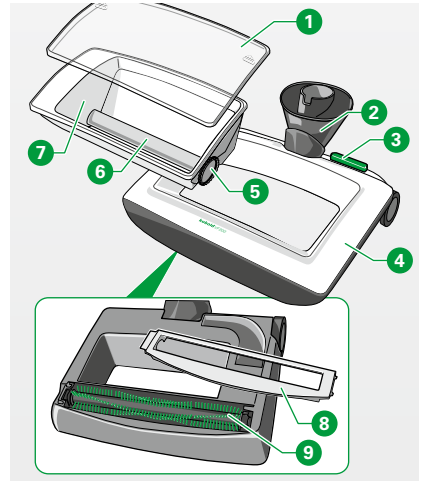
#### **WARNING**

##### **Risk of electric shock!**










- Never drive your Kobold VF200 Carpet Freshener over the power cord or other cables on the floor.


 We recommend cleaning carpets every 1-4 months depending on the amount of use.


 If possible: Remove all moveable furniture before you begin cleaning.



#### **Legend**

	Dosage hopper cover
	Pivot
	Foot switch (activate/deactivate Kobosan dosage)
	Kobold VF200 Carpet Freshener
	Side dosage wheel
	Dosage roller
	Dosage hopper
	Brush cover
	Roller brush

 We recommend Kobosan Active for cleaning carpets and rugs. It contains what is known as the anti-soil formula. Thanks to this formula, your carpets will not absorb dry dirt as quickly and will stay clean for longer. Kobosan Active has been certified as suitable for allergy sufferers by TÜV NORD.

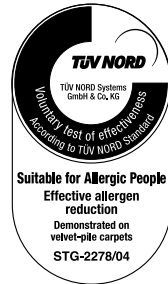
 One bag of Kobosan Active is enough for 3.5-7 m<sup>2</sup> of carpet, depending on the degree of soiling.



Kobosan Active can be purchased from the Mail Order Hotline (see chapter “8 Services” on page 109).



Kobosan Active can also be obtained from our online shop at [www.vorwerk.co.uk](http://www.vorwerk.co.uk)



 **WARNING****Risk of electric shock!**

- Never use the Kobold VF200 Carpet Freshener in combination with liquid, foam or wet cleaning agents.
- Only use dry cleaning powders such as Kobosan Active.
- Always switch the device off and disconnect the mains plug before all retrofitting, cleaning and maintenance work.
- Never pull the mains plug from the socket by the power cord, only by the plug.

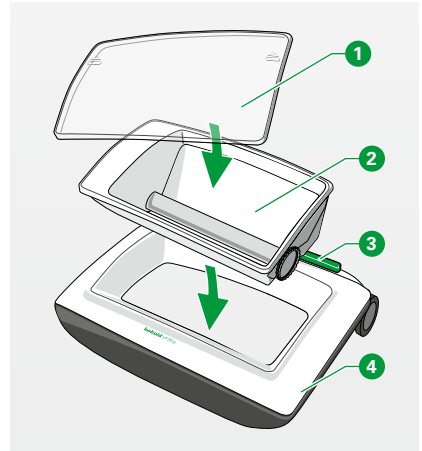
**NOTE****Risk of damage from improper use!**

- Prior to application, Kobosan Active should be tested for colour fastness on an inconspicuous area of carpet.
- Do not use the Kobold VF200 Carpet Freshener on rug fringes as they could get damaged.
- Do not use the Carpet Freshener on the following floors:
  - Carpets with a pile height greater than 1.5 cm
  - Needle felt and similar flooring
  - Coco or sisal flooring
- Please note that a larger amount of wool abrasion can occur with loosely woven wool carpets or Berber-style pile carpeting.

### 3.2.2 FILLING THE DOSAGE HOPPER

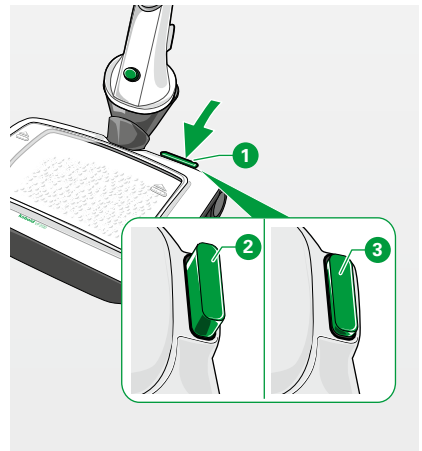
The removable dosage hopper is installed inside the Carpet Freshener.

1. Insert the dosage hopper **2** into the Carpet Freshener **4**. Make sure that dosage is deactivated first (switch **3** is up).
2. Open the cover **1** of the dosage hopper **2** by pushing it forward slightly and then lifting it out.
3. Add the desired amount of Kobosan Active (maximum 500g) evenly to the dosage hopper **2**.
4. Close the dosage hopper **2** (put the cover on and slide it closed).



### 3.2.3 KOBOSAN ACTIVE DOSAGE

1. Operate Kobosan Active dosage with the foot switch **1**.
  - Switch up:  
Kobosan Active distribution = deactivated **2**.
  - Switch down:  
Kobosan Active distribution = activated **3**.
2. Switch the vacuum cleaner to the power performance level auto.  
*The suction motor starts and drives the brush of the Carpet Freshener. Kobosan Active is brushed directly into the carpet.*
3. Move the Carpet Freshener back and forth in adjacent passes.
4. For a normal level of dirt you optimally cover the area of the carpet with Kobosan Active cleaning agent by travelling over it once.
5. After one pass over the area being cleaned, deactivate the dosage hopper by pressing the foot switch **1**.



**i** The dosage hopper does not have to be deactivated if it is empty.

### 3.2.4 WORKING IN KOBOSAN ACTIVE

1. Make sure that the dosage hopper is deactivated.  
**2.**
2. Run the Carpet Freshener over the area covered with Kobosan Active at right angles to the direction you were previously working in.
3. Massage the Kobosan Active in to the carpet for up to three minutes per square metre, depending on the degree of dirt, in all four directions.
4. Then open the windows and allow it to dry. Depending on the type of carpet and the room temperature, drying should not take longer than 30 minutes.

**i** Once Kobosan Active has been worked in, you no longer need the Carpet Freshener. The Carpet Freshener should be cleaned immediately after every use (see chapter “3.2.7 Cleaning the Kobold VF200 Carpet Freshener after use” on page 39).

### 3.2.5 REPLACING THE ACCESSORY HEAD


1. Make sure that the Cylinder Vacuum Cleaner is switched off and the mains plug is disconnected from the socket.
2. Remove the Carpet Freshener from the Cylinder Vacuum Cleaner (see chapter “2.2 Attaching the accessory head” on page 19) and replace it with the Automatic Electric Brush.



---

### 3.2.6 VACUUMING UP KOBOSAN ACTIVE

1. Use the Automatic Electric Brush to vacuum the dried Kobosan Active from the carpet.

 Any residue remaining in the carpet or rug does no harm. This residue will be vacuumed up over time with daily cleaning.

### 3.2.7 CLEANING THE KOBOLD VF200 CARPET FRESHENER AFTER USE

#### **WARNING**


##### **Risk of electric shock!**

- Be sure to take the Kobold VF200 Carpet Freshener off the Kobold VT300 Cylinder Vacuum Cleaner before cleaning.

#### **NOTE**

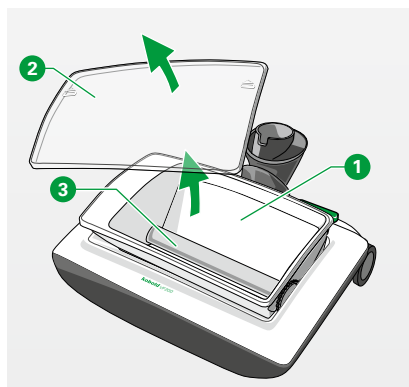
##### **Risk of damage from improper use!**

- Never use cleaning agents, solvents or alcohol to clean the Kobold VF200 Carpet Freshener.
- Before cleaning, take the Kobold VF200 Carpet Freshener off the Kobold VT300 Cylinder Vacuum Cleaner.
- Never clean the entire device under running water since water may remain in the device.
- Do not dry the Kobold VF200 Carpet Freshener near a radiator or in direct sunlight since the plastic may warp.

 The Carpet Freshener should be cleaned immediately after every use.

## CLEANING THE DOSAGE HOPPER

1. Remove any residue of Kobosan Active from the dosage hopper by using, for example, the Flexo Nozzle or Electric Suction Hose.
2. If it is very dirty, clean the dosage hopper under cold or lukewarm running water.
3. In order to do so, take the dosage hopper **3** out of the Carpet Freshener **1**.
4. Remove the cover **2**.

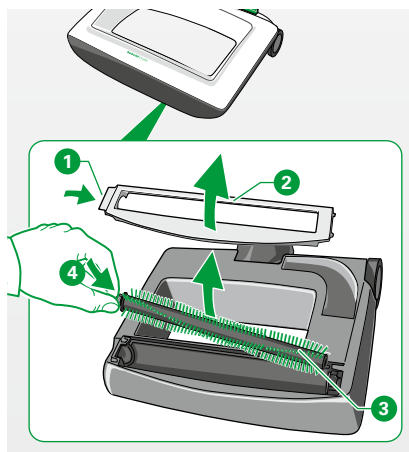


**i** The dosage hopper can only be removed after dosage has been deactivated (see chapter “3.2.3 Kobosan Active dosage” on page 37).

5. Remove the dosage roller **3** from the container. However, this is only necessary if it is very dirty (see chapter “4 Maintenance” on page 77).
6. Dry the dosage hopper and cover.

## CLEANING THE BRUSH

1. Open the brush cover **2** on the underside of the device by pressing from the side **1**.
2. Take out the brush **3** and hold it on the side with the pin **4**.
3. Rinse out the brush under cold or lukewarm running water straight after every use. Make sure that the pin does not come into contact with water.
4. Shake excess water off the brush.
5. Once it has dried, reinstall the brush in the Carpet Freshener (set onto the pin and swing in) and close the brush cover on the device.



### 3.2.8 REMOVING OLD STAINS

## NOTE

### Risk of damage from improper use!

- Prior to application, Kobotex should be tested for colour fastness on an inconspicuous area of carpet.

Old stains may become visible or be more apparent than before on the carpet after cleaning. They can almost always be removed with Kobotex.

1. Remove the stains with Kobotex **1** according to the instructions on the bottle.



### 3.3 KOBOLD SP600

The Kobold SP600 makes it possible to vacuum and wet-clean hard floors in a single step – saving a considerable amount of time and effort.

The Kobold SP600 is particularly efficient for cleaning hard floors. It is also possible to buff/clean your floors with a dry cloth using the SP600.

For particularly thorough cleaning, the SP600 has its own motor which drives the cloth holder and cleaning cloth.

The SP600 can be used on almost all types of hard floors.

1. Nevertheless, before using it, make sure that the device is suitable for your floor (see table “Suitability of the accessory heads for floors” on page 8).

#### **WARNING**

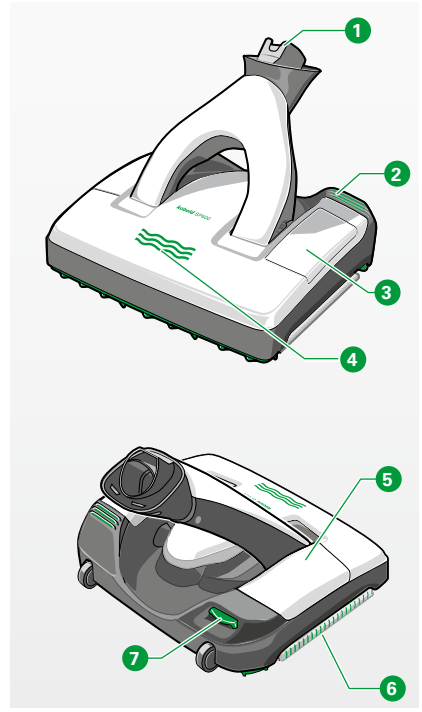
##### **Risk of electric shock!**

- Never drive your Kobold SP600 over the power cord or other cables on the floor.
- Do not vacuum liquids.

#### **CAUTION**

##### **Risk of injury from rotating parts!**

- Keep away from the rotating parts on the Kobold SP600.



#### **Legend**

- |          |  |
|----------|--|
| <b>1</b> | Pivot  |
| <b>2</b> | Pedal for releasing the cloth holder         |
| <b>3</b> | Inspection flap                              |
| <b>4</b> | LED wave symbol                              |
| <b>5</b> | Tank installed                               |
| <b>6</b> | Cleaning cloth on cloth holder in the device |
| <b>7</b> | Tank release mechanism                       |

## 3.4 ACCESSORIES FOR THE KOBOLD SP600

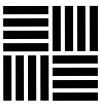
### 3.4.1 KOBOCLEAN

The concentrated cleaning agent Koboclean is suitable for cleaning various types of sealed hard floors. Thanks to its high cleaning power, even stubborn dirt can be removed reliably. Koboclean satisfies all requirements regarding environmental compatibility and biodegradability. The following types are available:



Koboclean Universal

For use on all surfaces that can be wiped with a damp cloth (e.g. tiles, PVC).



Koboclean Parquet

Specially developed for cleaning wooden surfaces (e.g. cork, parquet, laminate).

The concentrated cleaning agent Koboclean must be diluted before being used. It must not be applied undiluted.

## NOTE

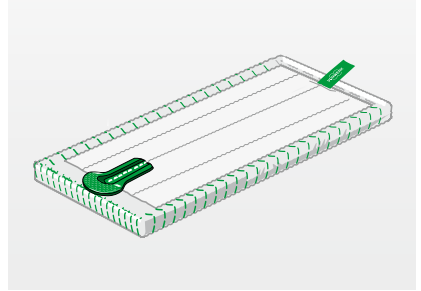
### Risk of damage from improper use!

- Only use original Kobold cleaning cloths.

### 3.4.2 KOBOLD MF600 CLEANING CLOTHS

The cleaning cloths have been specially developed for the SP600.

The cleaning cloth is available in the following four types:



#### Kobold MF600 Universal

Is particularly suitable for all surfaces that can be wet-cleaned (e.g. tiles, PVC, also suitable for textured surfaces).



#### Kobold MF600 Universal Soft

Is particularly suitable for use on porous or shiny floors (e.g. marble, granite, artificial stone, laminate).



#### Kobold MF600 Parquet

Is particularly suitable for wet-cleaning wooden floors (e.g. parquet, sealed cork flooring).



#### Kobold MF600 Dry

Is particularly suitable for dry-cleaning hard floors.



The Universal Soft, Parquet and Dry cleaning cloths are not included in the delivery of the basic set.



For optimum cleaning performance, we recommend washing the MF600 cleaning cloths at 60°C without fabric softener before first use.



Please refer to the overview table on the following page.

### 3.4.3 SUITABILITY OF THE KOBOLD MF600 CLEANING CLOTHS FOR DIVERSE HARD FLOOR TYPES

Hard floor type	Universal	Universal Soft	Parquet	Dry
Sealed/varnished wooden floors (floorboards, parquet)	+ <sup>1</sup>	+ <sup>1</sup>	++	++ <sup>1</sup>
Oiled/waxed wooden floors	+ <sup>1</sup>	+ <sup>1</sup>	++	++ <sup>1</sup>
Unsealed/untreated wooden floors	–	–	–	+ <sup>1</sup>
Sealed cork floors	+ <sup>1</sup>	+ <sup>1</sup>	++	++ <sup>1</sup>
Oiled/waxed cork floors	–	–	–	+ <sup>1</sup>
Unsealed/untreated cork floors	–	–	–	+ <sup>1</sup>
Laminate	+	++	+	++
Elastic floors (PVC, cushion vinyl, linoleum)	++	++	–	++
Stone floors (marble, granite, Jura limestone, artificial stone)	++	++ <sup>2</sup>	–	++
Porous/delicate natural stone (slate, clinker tiles)	+	+ <sup>2</sup>	–	++
Clay floors (e.g. terracotta, clinker, brick clay tiles)	++ <sup>2</sup>	++ <sup>2</sup>	–	++
Ceramic glazed tiles and fine stoneware	++	++ <sup>2</sup>	–	++
Untreated tiled floors	–	–	–	+
Rough concrete flooring (washed concrete)			excluded	
Textile flooring			excluded	

The symbols mean:

- ++ excellent suitability
- + good suitability
- not suitable

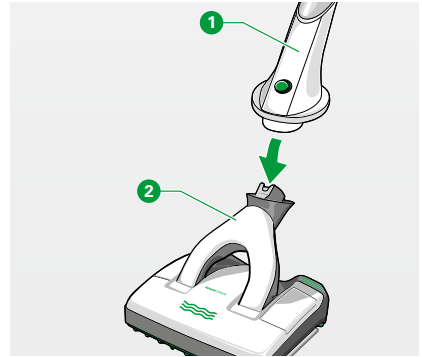
<sup>1)</sup> Cloths contain microfibres; follow the cleaning and care information issued by the manufacturer.

<sup>2)</sup> Increased wear is possible on rough floors.

### 3.4.4 ATTACHING THE KOBOLD SP600

The SP600 must first be attached to the Kobold Cylinder Vacuum Cleaner:

1. Connect the attachment socket **1** of the Cylinder Vacuum Cleaner to the pivot on the SP600 **2**.
2. Make sure you hear the attachment socket click into the pivot.



### 3.4.5 SETTING AND RELEASING THE STANDBY POSITION ON THE KOBOLD SP600

The Kobold VT300 Cylinder Vacuum Cleaner can be combined with the Kobold SP600 in the usual way and either used in the power setting or put in the standby position.

#### PLACING THE DEVICE IN THE STANDBY POSITION

#### **CAUTION**

##### **Risk of falling and causing injury!**

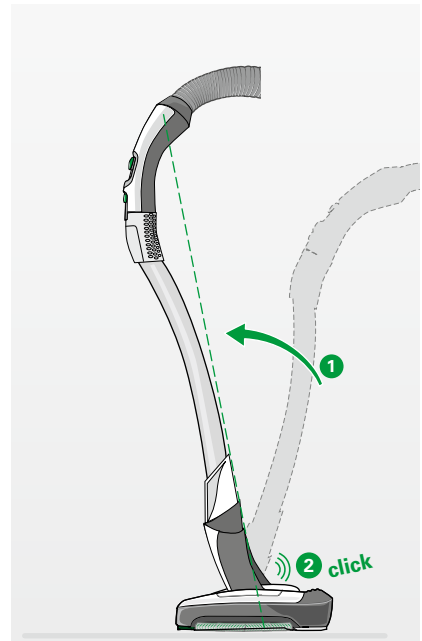
The standby position is used to park the device after you have finished working with it or when you take a break.

- Ensure that the Cylinder Vacuum Cleaner and Kobold SP600 are placed on a level surface when put in the standby position.
- Never use the Kobold VT300 Cylinder Vacuum Cleaner to support yourself.
- Never stand on the accessory heads.

#### **NOTE**

##### **Risk of damage when the device starts up automatically.**

- Note that the Cylinder Vacuum Cleaner and the Kobold SP600 start up automatically when the vacuum cleaner is taken out of the standby position if you have not first switched off the vacuum cleaner at the main switch.





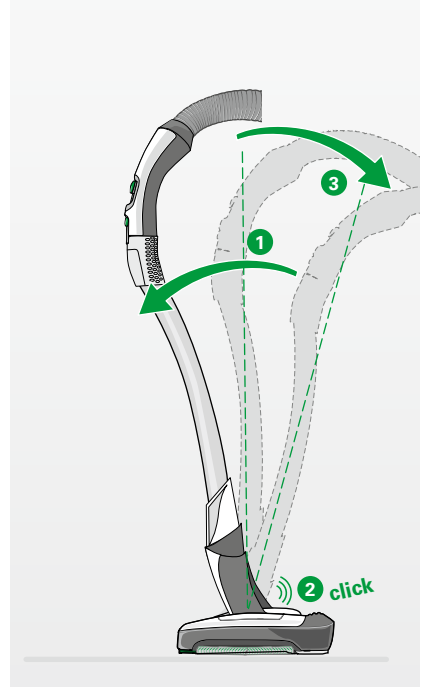
1. Turn the vacuum cleaner at the pivot so that both the vacuum cleaner and the SP600 are centred.
2. Push the vacuum cleaner forwards **1** over the SP600.

*The vacuum cleaner clicks into the standby position **2**.*

### TAKING THE DEVICE OUT OF STANDBY POSITION

To take the Cylinder Vacuum Cleaner and SP600 out of the standby position, proceed as follows:

1. Push the vacuum cleaner a little further forwards **1** until you hear a click **2**.  
*The Cylinder Vacuum Cleaner is now no longer in the standby position.*
2. Put the Cylinder Vacuum Cleaner in the power setting in the usual way **3**.



### 3.4.6 GETTING THE KOBOLD SP600 READY FOR USE

#### RELEASING THE CLOTH HOLDER FROM THE KOBOLD SP600

#### **⚠ WARNING**

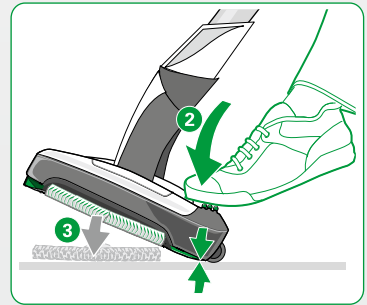
##### **Risk of electric shock!**

- For your own safety, switch off the Kobold VT300 Cylinder Vacuum Cleaner at the handle every time you replace the MF600 cleaning cloth.

In order to attach the cleaning cloth to the cloth holder, the cloth holder must first be removed.

1. Attach the SP600 to the Cylinder Vacuum Cleaner as described in chapter “3.4.4 Attaching the Kobold SP600” on page 46.
2. Put the Cylinder Vacuum Cleaner in the standby position as described in chapter “3.4.5 Setting and releasing the standby position on the Kobold SP600” on page 46.
3. Tilt the Cylinder Vacuum Cleaner backwards in the standby position **1**.  
*The SP600 is now positioned on its rollers.*
4. Press the green pedal positioned at the back of the vacuum cleaner on the left with your foot **2**.  
*The cloth holder is released from the device **3**.*

**i** It is only possible to eject the cloth holder when the Kobold Cylinder Vacuum Cleaner is tilted backwards on its rollers in the standby position.



## ATTACHING THE KOBOLD MF600 CLEANING CLOTH TO THE CLOTH HOLDER

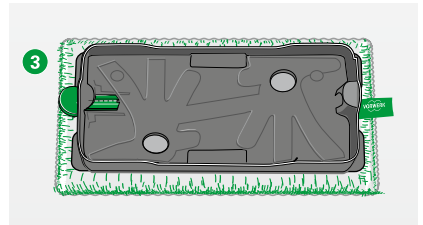
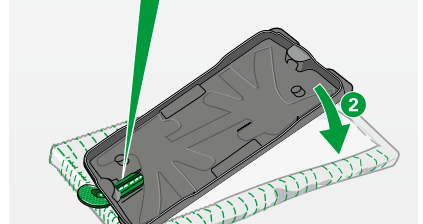
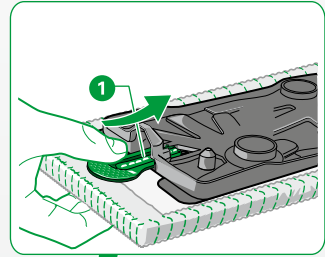
### NOTE

#### Risk of damage from improper use!

- When attaching the MF600 cleaning cloth to the cloth holder, always ensure that the cloth is fastened evenly. The cloth must not be positioned at an angle to the cloth holder.

1. To attach the cleaning cloth to the cloth holder, push the green nose **1** of the cleaning cloth into the slot on the cloth holder as far as it will go.
2. Then press the cloth holder directly onto the cloth **2**.

*The back of the cloth is fastened to the cloth holder using Velcro and the cloth fits into place **3**.*



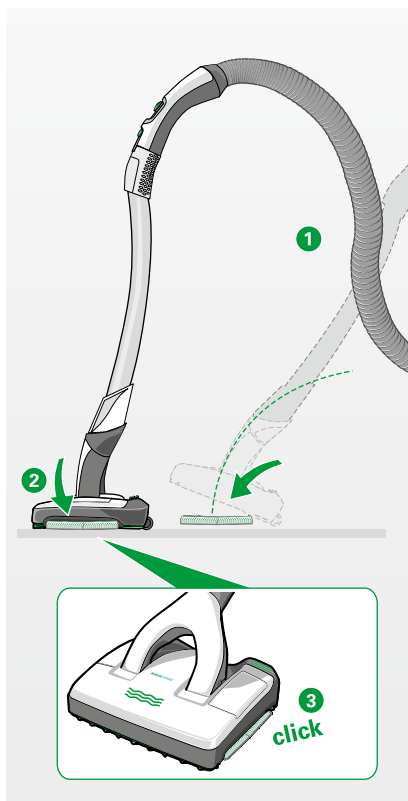
## ATTACHING THE CLOTH HOLDER TO THE SP600

**⚠ WARNING****Risk of electric shock!**

- For your own safety, switch off the Kobold VT300 Cylinder Vacuum Cleaner at the handle every time you replace the MF600 cleaning cloth.

**NOTE****Risk of damage from improper use!**

- Avoid forced insertion and extraction of the cloth holder.
1. Place the cloth holder onto the floor with the cloth correctly attached.
  2. Tilt the vacuum cleaner backwards in the standby position **1**.  
*The SP600 is now positioned on its rollers.*
  3. Roll the vacuum cleaner directly onto the cloth holder.
  4. Tip the vacuum cleaner onto the cloth holder **2**.  
*The cloth holder will click as it engages with the SP600 **3**. The device is now ready for use.*



**i** The cloth holder is symmetrical. You simply need to approach the cloth holder square on to ensure that the SP600 correctly engages with the cloth holder.

## REMOVING, FILLING AND INSERTING THE TANK

### **WARNING**

#### **Risk of electric shock!**

- Always switch the device off and disconnect the mains plug before all retrofitting, cleaning and maintenance work.

### **NOTE**

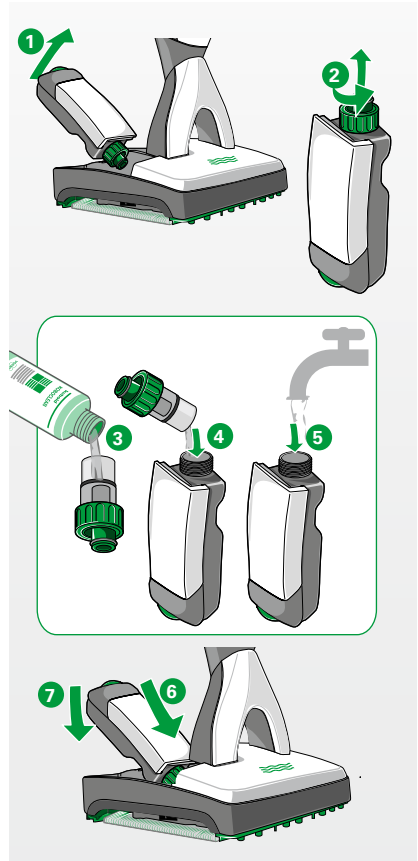
#### **Risk of damage from improper use!**

- Avoid forced insertion and extraction of the tank.

For wet cleaning, moisture is applied to the cloth from the tank in the SP600.

1. Remove the tank from the SP600. To do this, gently pull up the green tank release mechanism at the back of the SP600 **1** and pull the tank backwards to lift it out.
2. Unscrew the tank cap **2**.
3. Fill the tank cap with Koboclean as far as the line (3ml) **3**.
4. Pour this quantity into the tank **4**.
5. Fill the tank with fresh tap water to the maximum mark **5**.
6. Put the cap back onto the tank and do it up.
7. Insert the tank into the SP600. This is done by first pushing the front of the tank into the SP600 **6** and then pressing the back of the tank into its holder **7**.

*You will hear the tank snap into place.*



### 3.4.7 SWITCHING THE SP600 ON AND OFF

#### **WARNING**

##### **Risk of electric shock!**

- Never drive your Kobold SP600 over the power cord or other cables on the floor.
- Do not vacuum liquids, damp dirt or damp floor mats or carpets.
- Do not use the device in damp environments.
- Do not use the electrical accessories on wet surfaces or outdoors under any circumstances.

#### **CAUTION**

##### **Risk of injury from rotating parts!**

- Keep away from the rotating parts on the Kobold SP600.

#### **NOTE**

##### **Risk of damage from improper use!**

- Before switching on the device, make sure that there are no small stones, granulates such as cat litter or other pointed or sharp-edged objects under the cleaning cloth.
- Never work on the same spot for more than 10 seconds.
- Never leave the device standing on the floor with a wet cloth for a longer period of time (more than 30 seconds). This can cause damage to delicate flooring.
- Never leave the Kobold SP600 with a wet cloth on floors that are extremely sensitive to moisture (e.g. untreated cork or wooden flooring).
- Never use the Kobold SP600 without the cleaning cloth.

---

## SWITCHING ON

To switch on the SP600, you need to switch on the vacuum cleaner:

1. Take the vacuum cleaner out of the standby position as described in the chapter "Taking the device out of standby position" on page 47.  
*The vacuum cleaner is now no longer in the standby position.*
2. Switch the vacuum cleaner to the power performance level auto.  
*The vacuum cleaner starts running, the LED lights up as usual and the SP600 starts operating in dry mode (further information on this can be found in chapter "3.4.8 Automatic application of moisture and dry mode" on page 54).*

## SWITCHING OFF THE DEVICE

To switch off the Kobold SP600, the Cylinder Vacuum Cleaner has to be switched off:

1. Switch the Cylinder Vacuum Cleaner off at the handle and put it in the standby position.

## STOPPING BRIEFLY

If you want to put down the SP600 for a short period of time only (less than 30 seconds), it is sufficient to put the Cylinder Vacuum Cleaner in the standby position.

1. Put the Cylinder Vacuum Cleaner in the standby position.  
*The SP600 will switch off automatically. The LED on the Cylinder Vacuum Cleaner stays on.*
2. Set the Cylinder Vacuum Cleaner back to the power setting.  
*The SP600 switches on again automatically and runs in dry mode (further information on this can be found in chapter "3.4.8 Automatic application of moisture and dry mode" on page 54).*

### 3.4.8 AUTOMATIC APPLICATION OF MOISTURE AND DRY MODE

The SP600 can moisten the cleaning cloth on three different settings. In addition, you can activate a one-off full saturation of the cloth by pressing a button, e.g. when you are just about to start cleaning.

#### NOTE


##### **Material damage can occur when used on unsuitable floors!**


- For delicate floors, such as floors which are not permanently sealed (oiled cork, oiled parquet, coated, oiled stoneware), we recommend that you first test the device in an inconspicuous area to prevent damage to the floor.
- Please also refer to the cleaning and care information issued by the floor manufacturer.

#### NOTE

##### **Risk of damage from prolonged contact with water!**

- In the case of floors that are extremely sensitive to moisture, clean with a dry Kobold MF600 Parquet cleaning cloth with the Kobold VT300 Cylinder Vacuum Cleaner set to full power.
- If the floor is too wet, wipe dry with a dry MF600 Parquet cleaning cloth in dry mode.

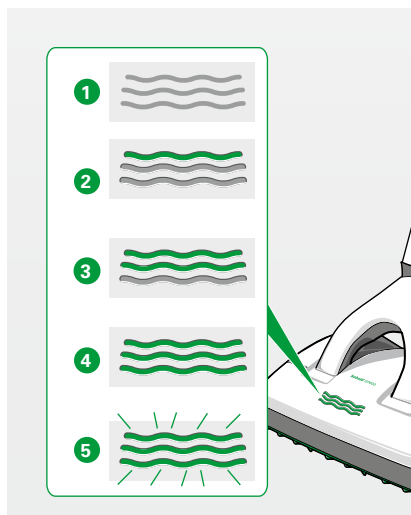
 Never dampen the cleaning cloth by hand. Moisture may only be applied to the cleaning cloth by the SP600.

 Wash the cleaning cloth according to the washing instructions before first use (see chapter "Cleaning the Kobold MF600 cleaning cloths" on page 62).




## LED WAVE SYMBOLS AT A GLANCE

LED wave symbol	Meaning
<b>Dry mode</b>	
1 No waves are lit.*	The SP600 is ready to use and is running in dry mode, without applying any moisture to the cloth. * (The Cylinder Vacuum Cleaner is however switched on and the SP600 is rotating).
<b>Moisture setting 1</b>	
2 One wave lit.	The SP600 is ready for use, the function key has been pressed once, the SP600 applies moisture to the cleaning cloth on the lowest setting.
<b>Moisture setting 2</b>	
3 Two waves lit.	The SP600 is ready for use, the function key has been pressed twice, the SP600 applies moisture to the cleaning cloth on the medium setting.
<b>Moisture setting 3</b>	
4 Three waves lit.	The SP600 is ready for use, the function key has been pressed three times, the SP600 applies moisture to the cleaning cloth on the highest setting.
<b>Single application of moisture to a dry cloth</b>	
5 All three waves flashing.	The SP600 is ready for use, the function key has been pressed down and held, the SP600 makes the cleaning cloth completely wet in a single application.
All waves lit up yellow.	The reservoir is empty.
All waves flashing red.	The inspection flap comes open, the SP600 has absorbed moisture (see chapter "5 Troubleshooting" on page 93).
All waves lit up red.	The SP600 has detected a fault (see chapter "5 Troubleshooting" on page 93).




## DRY MODE

After you have switched on the Cylinder Vacuum Cleaner and the SP600, the SP600 initially runs in dry mode. No LED waves are lit. 

## SINGLE APPLICATION OF MOISTURE TO A DRY CLOTH





1. Press the function key **1** on the handle of your Cylinder Vacuum Cleaner for about five seconds to start the process of fully moistening the cloth.

*The LED waves on the SP600 flash.* 



**i** After pressing the function key **1** the device automatically switches to setting 1.

## CHANGING MOISTURE SETTINGS

1. Press the function key **1** on the handle of your Cylinder Vacuum Cleaner to start the automatic application of moisture to the cloth.  
*The first of three LED waves light up on the SP600.* 
2. Press the function key again **1** to switch from the lowest setting to moisture setting 2.  
*Two out of three LED waves on the SP600 light up.* 
3. Press the function key a further time **1** to switch from moisture setting 2 to moisture setting 3.  
*All three LED waves on the SP600 light up.* 
4. Pressing the function key again **1** will return the SP600 to dry mode.  
*No LED waves are lit.* 

**i** If the cleaning cloth is too dry, increase the moisture setting by pressing the function key **1** on your Cylinder Vacuum Cleaner.

## RECOMMENDATIONS FOR MOISTURE SETTINGS

Hard floor type	Dry mode	Setting 1	Setting 2	Setting 3
Sealed/varnished wooden floors (floorboards, parquet)	++	++	+	+
Oiled/waxed wooden floors	++	+	-	-
Unsealed/untreated wooden floors	++	-	-	-
Sealed cork floors	++	++	+	+
Oiled/waxed cork floors	+	-	-	-
Unsealed/untreated cork floors	+	-	-	-
Laminate	++	++	+	+
Elastic floors (PVC, cushion vinyl, linoleum)	++	++	++	++
Stone floors (marble, granite, Jura limestone, artificial stone)	++	++	++	++
Porous/delicate natural stone (slate, clinker tiles)	++	++	++	++
Clay floors (e.g. terracotta, clinker, brick clay tiles)	++	++	++	++
Ceramic glazed tiles and fine stoneware	++	++	++	++
Untreated tiled floors	+	-	-	-
Rough concrete flooring (washed concrete)		excluded		
Textile flooring		excluded		

The symbols mean:

- ++ excellent suitability
- + good suitability
- not suitable

**i** The optimum moisture setting is also dependent on the speed with which you work. The quicker you work, the higher the moisture setting you can select.

**i** If the floor becomes too wet while working with the SP600, you can switch to a lower setting. (Further tips can be found in the tables in chapter "5 Troubleshooting" on page 93).

## WET CLEANING USING OLDER VACUUM CLEANER MODELS

You cannot control the automatic moisture function on your vacuum cleaner if you use the SP600 in combination with older models of Kobold vacuum cleaners such as the Kobold VT270/VT265/VT260/VT252 Cylinder Vacuum Cleaners. The moisture settings are not available.

To wet clean your floor using the SP600 in combination with an older model of Kobold vacuum cleaner, proceed as follows:

1. Operate the SP600 with the tank full.

*Moisture is applied at predefined intervals.*

*You cannot influence this. One LED wave on the*

*SP600 lights up.* 

## DRY MODE USING OLDER VACUUM CLEANER MODELS

To operate the SP600 in dry mode in combination with an older model of Kobold vacuum cleaner, proceed as follows:

1. Operate the SP600 with the tank empty or without inserting the tank.

---

### 3.4.9 WORKING WITH THE KOBOLD SP600

## NOTE

### **Risk of damage from improper use!**

- Never use the Kobold SP600 without the cleaning cloth.
- Never work on the same spot for more than 10 seconds.
- When working with the Kobold SP600, never use acid cleaning agents (e.g. vinegar-based cleaner) or highly alkaline cleaning agents (e.g. chlorine bleaching).
- Do not pour any polymer-containing cleaners or care products into the tank.

## NOTE

- Please also refer to the care instructions issued by the floor manufacturer.

## CLEANING WITH THE KOBOLD SP600

 **CAUTION****Risk of injury from debris flying out!**

- Avoid moving the Kobold SP600 laterally towards loose coarse particles (e.g. glass splinters).
- Do not clean with the Kobold SP600 at eye level (e.g. on stairs and landings).
- Switch off the Kobold VT300 Cylinder Vacuum Cleaner before lifting the Kobold SP600.

**NOTE****Risk of damage from improper use!**

- If the device hooks into objects or gets jammed, the Kobold VT300 Cylinder Vacuum Cleaner should be switched off immediately in order to prevent damage.

Due to the special cleaning performance of the SP600, it is possible that, when using the device for the first time, floors will have to be cleaned several times in order to remove engrained dirt. Afterwards, the SP600 will deliver a convincing cleaning performance after each application.

In combination with the SP600, we recommend always operating the Cylinder Vacuum Cleaner with the power set to performance level auto.

1. Move the SP600 in regular paths.
2. Keep the SP600 constantly moving.

## REMOVING AND REPLACING THE KOBOLD MF600 CLEANING CLOTH

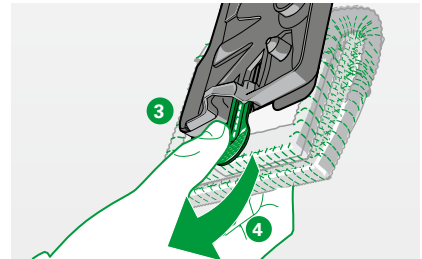
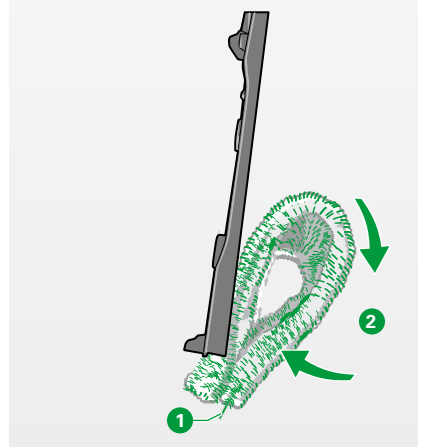
### NOTE

#### Risk of damage from improper use!

- Never leave a wet cleaning cloth in the Kobold SP600 when storing it.

1. Take the cloth holder.
2. With the other hand, take hold of the tab **1** on the cleaning cloth and fold it in half **2**.
3. Place your thumb on the green nose of the cleaning cloth **3** and pull it out of the cloth holder **4**.
4. Insert a clean cloth as described in the chapter “Attaching the Kobold MF600 cleaning cloth to the cloth holder” on page 49.

**i** The service life of a cleaning cloth depends on how dirty the floor is and on the floor type.



### 3.4.10 AFTER USING THE KOBOLD SP600

#### STORING THE KOBOLD SP600

## NOTE

### **Risk of damage from improper use!**

- When storing the device, never leave residual fluid in the tank. Empty the tank fully after each use.

1. Once you have finished cleaning, remove the tank from the SP600 as described in the chapter "Removing, filling and inserting the tank" on page 51.
2. Empty the tank.
3. Put the empty tank back in the SP600.
4. Remove the cloth holder from the SP600 and take off the cleaning cloth as described in the chapter "Releasing the cloth holder from the Kobold SP600" on page 48.
5. Store the SP600 with the tank inside and the cloth holder until you need them again.

#### CLEANING THE KOBOLD MF600 CLEANING CLOTHS

1. Wash dirty cleaning cloths in the washing machine at 60 °C without fabric softener. The cloths must never be washed with chlorine bleaching agents.
2. The cleaning cloths can be tumble-dried on a low setting.



## 3.5 KOBOLD PB440 ELECTRIC UPHOLSTERY BRUSH AND KOBOLD MP440/MR440 MATTRESS CLEANING SET

The Kobold PB440 Electric Upholstery Brush removes dust from your upholstered furniture in no time. Furthermore, it cleans upholstery faster than any other device because it brushes and vacuums it at the same time. With the Kobold MP440/MR440 Mattress Cleaning Set attached to your Electric Upholstery Brush, you can professionally clean your mattresses as well. This chapter explains how to operate the Electric Upholstery Brush.

### 3.5.1 CLEANING UPHOLSTERY WITH THE KOBOLD PB440 ELECTRIC UPHOLSTERY BRUSH

#### CONNECTING THE KOBOLD PB440 ELECTRIC UPHOLSTERY BRUSH

#### CAUTION

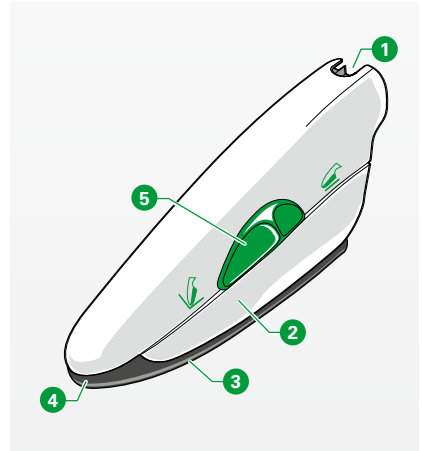
##### **Pinching hazard!**

- Do not vacuum any body parts. Do not vacuum near children or pets.
- Do not vacuum your hair with the PB440 Electric Upholstery Brush.
- Do not operate the Kobold PB440 Electric Upholstery Brush without the suction nozzle or Mattress Cleaning Set.






#### CAUTION

##### **Risk of injury from debris flying out!**

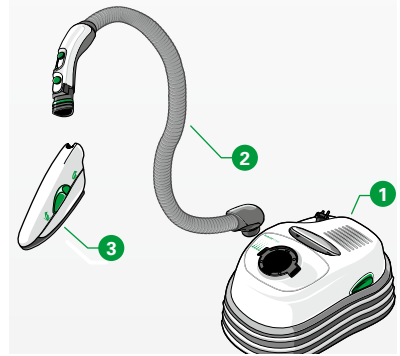
- Avoid abruptly placing the device on loose, coarse debris (e.g. glass shards), especially at eye level.



#### Legend

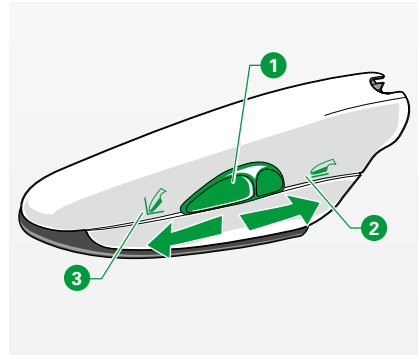
- |   |                                     |
|---|-------------------------------------|
|  | Attachment socket                   |
|  | Recessed grips                      |
|  | Suction nozzle                      |
|  | Suction nozzle opening for crevices |
|  | Slider                              |

1. Connect the Kobold ESS300 Electric Suction Hose **2** to the Cylinder Vacuum Cleaner **1** (see chapter “2.2.1 Attaching the Kobold ESS300 Electric Suction Hose” on page 19).
2. Connect the Electric Upholstery Brush **3** to the Electric Suction Hose **2**.
3. To do this, slide the handle of the Electric Suction Hose into the attachment socket of the Electric Upholstery Brush.
4. Switch on the Cylinder Vacuum Cleaner.  
*The Electric Upholstery Brush is automatically switched on as well.*



### 3.5.2 REGULATING THE SUCTION FORCE

1. Regulate the suction force as usual on the Cylinder Vacuum Cleaner.
2. Select power performance level med on your Cylinder Vacuum Cleaner in normal use.
3. Select power performance level soft on your Cylinder Vacuum Cleaner when dealing with loose and/or sensitive material.



### 3.5.3 VACUUMING SURFACES

1. Move the green slide **1** into the position “vacuum surfaces” **2**.
2. During the cleaning process, place the suction openings of the Handheld Upholstery Brush completely on the upholstery.
3. Gently move the device over the upholstery without applying pressure.

### 3.5.4 VACUUMING CREVICES

1. Move the green slide into the position “vacuum crevices” **3**.
2. To vacuum particles in areas that are difficult to reach, such as crevices, grooves or similar areas, use maximum suction force – power level auto.

### 3.5.5 CLEANING MATTRESSES WITH THE KOBOLD PB440 ELECTRIC UPHOLSTERY BRUSH AND THE KOBOLD MP440/MR440 MATTRESS CLEANING SET

To clean mattresses, use your Kobold PB440 Electric Upholstery Brush **1** with the Kobold MP440 Mattress Freshener **2** and the Kobold MR440 Mattress Vacuumer **3** instead of the normal suction nozzle. For regular vacuum cleaning of mattresses, the MR440 mattress cleaning set is recommended.

**i** We recommend Lavenia for cleaning mattresses. Lavenia not only easily removes dust, but also bacteria, mite faeces and mould spores to a large extent. Lavenia received the TÜV NORD certificate "suitable for allergy sufferers".

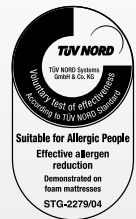
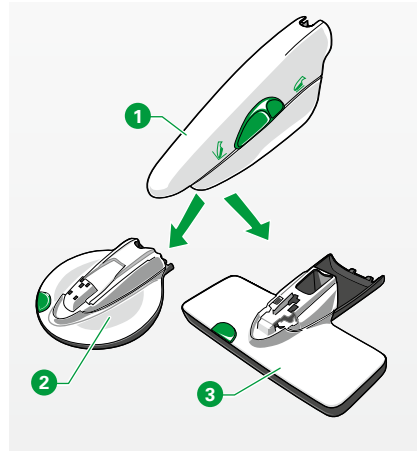
**i** Lavenia is not suitable for stain removal. Please use Kobotex for this purpose. Observe the leaflets included with Lavenia and Kobotex.



Lavenia can be purchased from the Mail Order department (see chapter "8 Services" on page 109).



Lavenia can also be obtained through an online shop at [www.vorwerk.co.uk](http://www.vorwerk.co.uk)



**i** Lavenia can be used with all mattresses with textile and solid surfaces.

**i** 1 bag of Lavenia will clean 1 double mattress

## NOTE

### Risk of damage due to incompatibility of the cleaning agent!

- Test the colour fastness of the mattress against Lavenia in an inconspicuous spot before application.

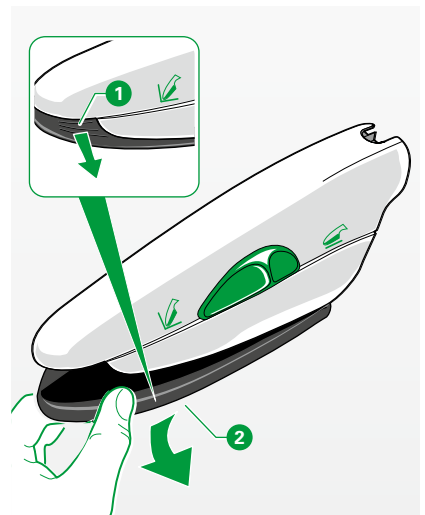
## NOTE

### Risk of damage from improper use!

- Avoid working with the device in one specific spot for a prolonged period of time (max. 5 seconds).
- Do not vacuum mattresses with the suction nozzle of the Electric Upholstery Brush. Only use the Mattress Vacuumer MR440 to avoid damage to mattresses.
- Use Lavenia, the Mattress Freshener MP440 and the Mattress Vacuumer MR440 only on mattresses. The Mattress Cleaning Set is not suitable for use on other upholstery fabrics or furniture, and may damage sensitive materials.
- Use the Mattress Freshener MP440 with the corresponding nubbed disc exclusively for mattress cleaning.

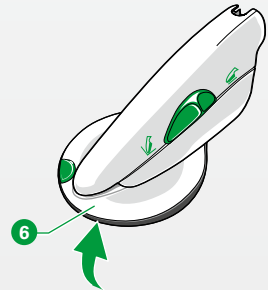
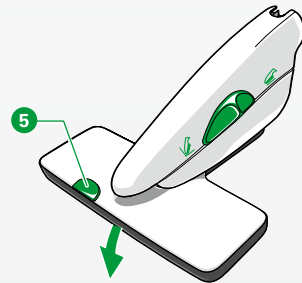
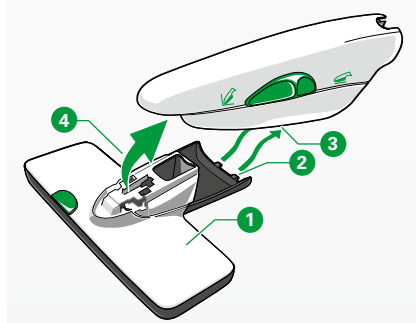
### 3.5.6 REMOVING THE KOBOLD PB440 ELECTRIC UPHOLSTERY BRUSH SUCTION NOZZLE

1. Pull the suction nozzle **2** down and off the Electric Upholstery Brush by the gripping grooves **1**.



### 3.5.7 CLEANING MATTRESSES

1. Attach the Mattress Vacuumer **1** to the Electric Upholstery Brush.
2. Attach it with the latches **2** to the Electric Upholstery Brush **3** and lock the mattress vacuumer with one swivel motion **4** upwards towards the Electric Upholstery Brush.
3. Switch the Cylinder Vacuum Cleaner to the power performance level auto. The slide switch on the Electric Upholstery Brush must be switched to the setting for vacuuming surfaces.
4. Place the bottom of the Electric Upholstery Brush with Mattress Vacuumer flat onto the mattress.  
*The rubber beater bars start to vibrate audibly.*
5. Vacuum the mattress with the Mattress Vacuumer.
6. Switch the Cylinder Vacuum Cleaner off again.
7. Spread the contents of a bag of Lavenia cleaning agent (120g) evenly over the mattress.
8. Swap the Mattress Vacuumer for the Mattress Freshener. To do so push the green sliding button **5** outwards to release the lock, and place the Mattress Dry Cleaning set with the lugs on the Electric Upholstery Brush. Then latch the Mattress Freshener **6** with one swivel motion **4** upwards onto the Electric Upholstery Brush.
9. Switch the Electric Upholstery Brush to suction level auto.  
*The nubbed disc starts to rotate.*





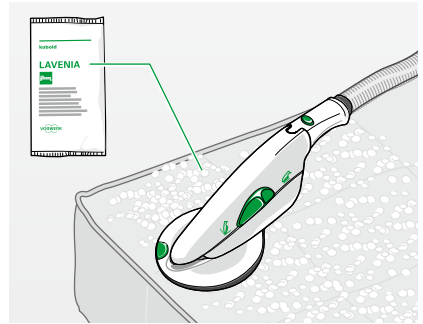
When using the Electric Upholstery Brush with the Mattress Freshener, the suction function of the Kobold VT300 Cylinder Vacuum Cleaner is switched off automatically. While you are working in Lavenia, only the motor of the Kobold PB440 Electric Upholstery Brush runs to drive the nubbed disc of the Mattress Dry Cleaning set MP440. When older Electric Upholstery Brush models are used, the Kobold VT300 Cylinder Vacuum Cleaner continues running. In this case we recommend the power performance level soft.

10. Lay the Mattress Freshener MP440 with the nubbed disc flat onto the mattress, without a lot of pressure, in order to evenly distribute Lavenia over the entire surface.

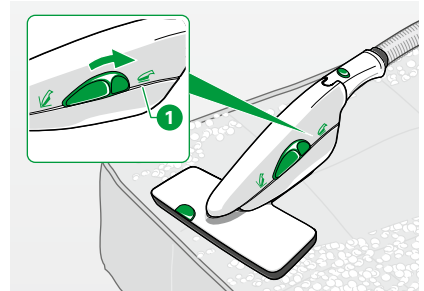
## NOTE

### Risk of damage from improper use!

- Do not press the Kobold PB440 Electric Upholstery Brush with the Mattress Freshener MP440 firmly onto the mattress with both hands. Doing so could cause damage to your Mattress Cleaning Set and mattress.



11. Work in Lavenia with the Mattress Freshener for 2-3 minutes on an area of about 1 x 2 metres.
12. Allow the powder to dry for about 30 minutes. Ensure good ventilation.
13. Then exchange the Mattress Freshener for the Mattress Vacuumer. Proceed as described above for changing accessory heads.
14. Switch the Cylinder Vacuum Cleaner to the power performance level auto. The sliding switch on the Electric Upholstery Brush has to be in the surface cleaning position **1**.
15. Place the bottom of the Electric Upholstery Brush with Mattress Vacuumer flat onto the mattress.  
*The rubber beater bars start to vibrate audibly.*
16. Vacuum up Lavenia with the Electric Upholstery Brush and Mattress Vacuumer.



### **3.5.8 CLEANING THE MATTRESS FRESHENER MP440 AND MATTRESS VACUUMER MR440 AFTER USE**

1. After each use, check the Mattress Cleaning Set for dirt residue.
2. Vacuum away any Lavenia residue or wet clean the device if it is very dirty.  
For instructions, see chapter “4.5 Kobold PB440 Electric Upholstery Brush and Kobold MP440/ MR440 Mattress Cleaning Set” on page 90.

## 3.6 KOBOLD HD60 HARD FLOOR NOZZLE

The Kobold HD60 Hard Floor Nozzle has been specially designed to make all types of shiny hard floors easier to clean. In contrast to other hard floor nozzles that are currently available, it is suitable for removing coarse dirt. It can easily be manoeuvred around pieces of furniture and furniture legs, and vacuums flush with the skirting board.

The Hard Floor Nozzle is a special nozzle that can be used on most floors.

1. To find out which floors it is suitable for, please refer to the table on page 8.



### CAUTION

#### Choking hazard due to swallowing small parts!

- Keep small parts, such as the inspection flap cover, out of the reach of children.



### CAUTION

#### Risk of injury from internal parts!

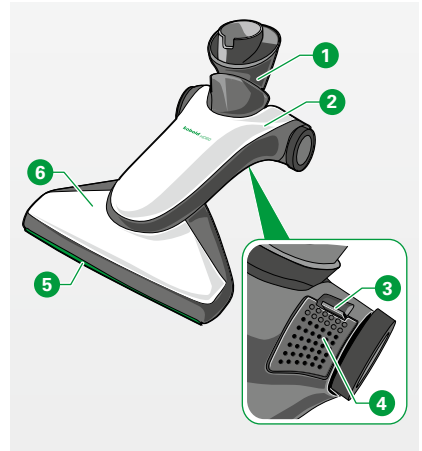
- Do not turn the suction nozzle on the Kobold HD60 Hard Floor Nozzle further than it is designed to go.



### CAUTION

#### Risk of injury from moving parts!

- Keep away from the moving parts on the Kobold HD60 Hard Floor Nozzle.



#### Legend

- |   |   |
|---|---|
| 1 | Pivot   |
| 2 | Kobold HD60 Hard Floor Nozzle                                 |
| 3 | Release catch on the inspection flap                          |
| 4 | Cover on the inspection flap – opening for removing blockages |
| 5 | Bristle plate (removable)                                     |
| 6 | Suction nozzle  |

### 3.6.1 USE

1. Set the required power performance level (auto recommended).
2. To vacuum efficiently, move the device back and forth in an even motion.



---

## 3.7 ADDITIONAL ACCESSORIES

By using the accessory set, you have a suitable solution for every task. This chapter provides an overview of the various nozzles and their applications. You can connect the accessories directly to the Kobold ESS300 Electric Suction Hose or to the Kobold TR15 Telescopic Tube.

### 3.7.1 KOBOLD TR15 TELESCOPIC TUBE

The Kobold TR15 Telescopic Tube makes it possible to work in areas that are high up in the room. You can easily vacuum spider webs, dust in corners or dusty curtain rods without having to use a ladder or step stool.



#### CAUTION

**Risk of injury if the tube is not locked into position!**

- Make sure the handle is locked before using the Kobold TR15 Telescopic Tube.



Used with the Flexo Nozzle, you can easily, conveniently and safely clean curtains or tapestry way up under the ceiling.



Thanks to the Soft Nozzle, you can now easily remove dust from ceiling lamps and chandeliers.

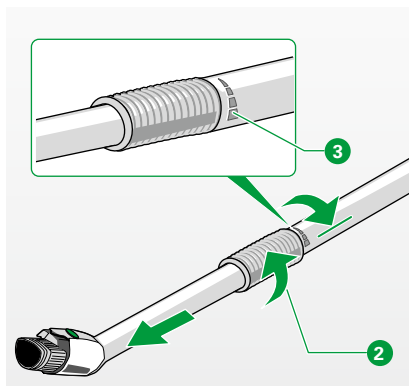
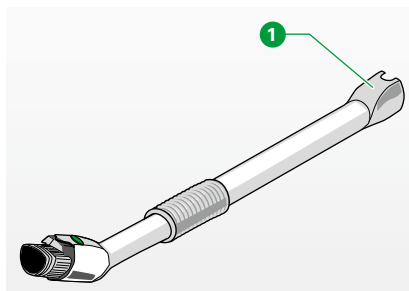
## CONNECTING THE KOBOLD TR15 TELESCOPIC TUBE

To use the Telescopic Tube, the Electric Suction Hose must be connected to the Kobold VT300 Cylinder Vacuum Cleaner.

1. Insert the adaptor **1** of the Telescopic Tube into the handle of the Electric Suction Hose.

## ADJUSTING THE LENGTH AND LOCKING

1. Turn the handle grip **2** in the direction marked “open” (identifiable through the symbol **3**) and adjust the Telescopic Tube to the desired length.
2. Turn the handle grip **2** in the direction marked “close” to lock the Telescopic Tube at this length.



### 3.72 KOBOLD VD15 VARIABLE NOZZLE

The Kobold VD15 Variable Nozzle is extremely versatile. It has two attachments that can be used for different tasks.

1. Attach the socket **1** of the Variable Nozzle to the Electric Suction Hose.

The Variable Nozzle is provided with a joint **2** so that you are able to vacuum at an angle of 90 degrees. The extendable and flexible tip **3** allows you to reach even those corners and spots that are hard to reach or very narrow. In addition, you can use either the Drilling Dust Attachment or the Bristle Brush with the tip **3**.

#### ADJUSTING THE LENGTH

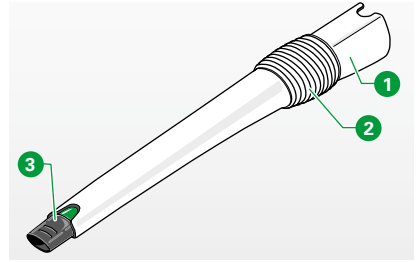
1. Pull out the tip **3**.
2. To slide the extension back in again, push the spring button **4** and then slide the tip back.

#### DRILLING DUST ATTACHMENT

The Drilling Dust Attachment allows you to collect drilling dust. You can drill a hole into the wall without having to worry about dust polluting your home.

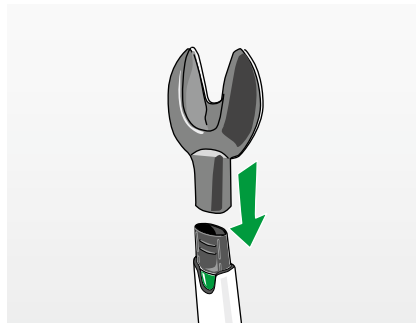
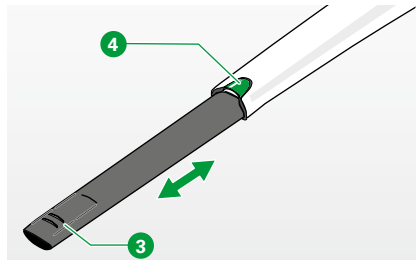
1. Connect the Drilling Dust Attachment to the tip of the Kobold VD15 Variable Nozzle.
2. Switch on the Kobold VT300 Cylinder Vacuum Cleaner.
3. Place the Drilling Dust Attachment with the black seal against the wall.

Due to the suction force of the Cylinder Vacuum Cleaner, the Drilling Dust Attachment will adhere to the wall by itself, provided it is completely even. This way you can freely use your hands to drill the hole.



#### Legend

- |          |                  |
|----------|------------------|
| <b>1</b> | Socket           |
| <b>2</b> | Pivot            |
| <b>3</b> | Tip (extendable) |
| <b>4</b> | Spring button    |

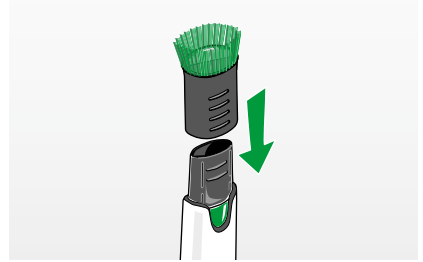


**i** Remove the Drilling Dust Attachment from the wall before switching off the Cylinder Vacuum Cleaner.

### BRISTLE BRUSH

The Bristle Brush enables your Variable Nozzle to access even the smallest spaces and the tightest places. It is perfectly suited for vacuuming skirting boards and spaces between furniture and shelves.

1. To use it, put the Bristle Brush onto the tip of the Variable Nozzle.



### 3.7.3 KOBOLD SD15 SOFT NOZZLE

The Kobold SD15 Soft Nozzle can either be used for vacuuming loose dust quickly and in a gentle manner, or to remove stubborn dirt. You can vary the bristle ring length and thereby adjust it to the type of surface.

The Soft Nozzle is especially well-suited to vacuum uneven surfaces such as keyboards, bookshelves, lampshades and all types of furniture surfaces.



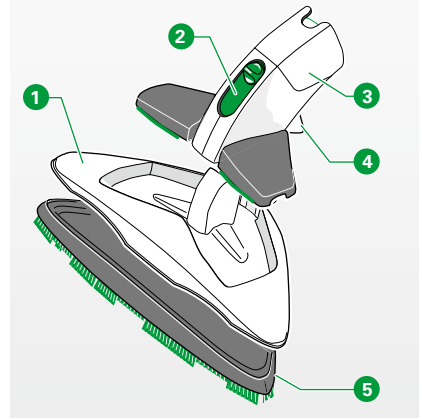
1. Connect the Soft Nozzle to the Kobold ESS300 Electric Suction Hose.
2. By using the slider **1** you can adjust the bristle length.
3. In the case of light dust or sensitive objects, increase the bristle length. To do this, move the slider **1** forward.
4. Decrease the bristle length by pulling the slider **1** back if you wish to work on stubborn dirt or non-sensitive surfaces.

### 3.74 KOBOLD FD15 FLEXO NOZZLE

The Kobold FD15 Flexo Nozzle is a multi-purpose accessory that can be used on different surfaces.

In order to do this you can adjust the nozzle for the different areas of application.

Nozzle setting	for vacuuming
Flexo Nozzle complete	Furniture surfaces, Stairs, Walls, doors
Flexo Nozzle top part	Upholstery, fabrics, car seats
Flexo Nozzle folded	Joints, corners Between upholstery
Cleaning plate with- out bristle plate	Curtains, wall fabrics



#### Legend

- |   |                       |
|---|-----------------------|
| 1 | Cleaning plate        |
| 2 | Slider                |
| 3 | Flexo Nozzle top part |
| 4 | Release lever         |
| 5 | Bristle plate         |

### 3.75 KOBOLD FD15 FLEXO NOZZLE – COMPLETE

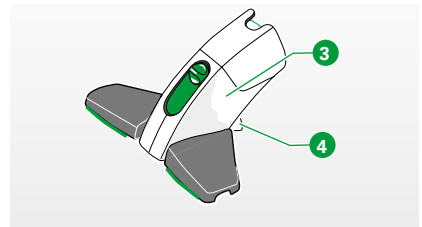
You can use the fully assembled Flexo Nozzle to vacuum furniture surfaces, stairs, walls or doors.

For more functions, only use individual parts of the Flexo Nozzle depending on the intended use.

### 3.76 KOBOLD FD15 FLEXO NOZZLE – TOP PART

You would like to vacuum dust, threads and hair from upholstery, fabrics or the inside of your car? Then remove the cleaning plate from the Flexo Nozzle.

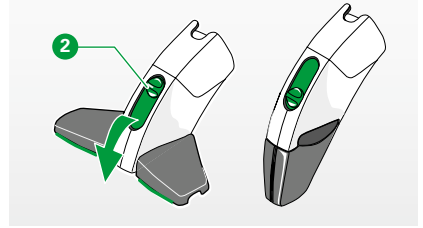
1. To do this, push down the release lever 4 on the back of the attachment.
2. Slide the top part 3 of the Flexo Nozzle upwards and out.
3. Connect the Flexo Nozzle to the Kobold ESS300 Electric Suction Hose.



### 3.7.7 KOBOLD FD15 FLEXO NOZZLE – FOLDED

You would like to vacuum dust from joints, corners or between upholstery? Then remove the cleaning plate from the Flexo Nozzle.

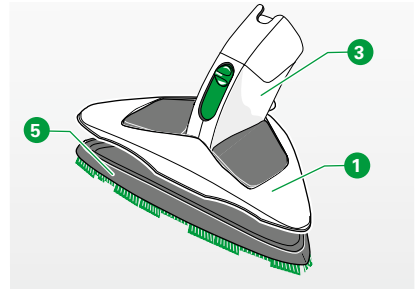
1. To do this, push down the release lever **4** on the back of the attachment.
2. Slide the top part **3** of the Flexo Nozzle upwards and out.
3. Move the slider **2** down so the wings of the Flexo Nozzle fold in.
4. Connect the Flexo Nozzle to the Electric Suction Hose.



### 3.7.8 CLEANING PLATE

You would like to clean larger areas such as furniture surfaces or stairs, walls and doors? Then use the cleaning plate of the Flexo Nozzle.

1. Mount the cleaning plate **1** on the top part **3** of the Flexo Nozzle.
2. Make sure all parts are correctly fitted.
3. Connect the Flexo Nozzle to the Electric Suction Hose.
4. To clean curtains or textile wall coverings, remove the bristle plate **5**.
5. To remove the bristle plate **5**, push up the bracket on the back of the attachment and remove the white bristle plate with a quick pull.



## 4 MAINTENANCE

Maintain your Kobold VT300 Cylinder Vacuum Cleaner regularly, so it can give you maximum performance and ease of use at all times.

In the following chapter you will learn how to maintain the different devices and accessory heads and how to replace parts.

<b>Device/ accessories</b>	<b>Step</b>	<b>Time/frequency</b>
Kobold VT300 Cylinder Vacuum Cleaner	Replace the 3in1 Premium Filter Bag FP300	When filter fill level indicator is entirely yellow
	Cleaning the motor protection filter	If dirty
	Replace the motor protection filter	If very dirty
	Clean the filter unit	If dirty
Kobold EB400 Automatic Electric Brush	Check and clean	Once a month
	Replace brushes	If worn
Kobold VF200 Carpet Freshener	Check and clean	After each use
	Replace brushes	If worn
Kobold SP600	Check and clean the sealing lip frames	If required
	Clean tank	If required
Kobold PB440 Electric Upholstery Brush	Vacuum	If dirty
Mattress Cleaning Set MP/MR440	Vacuum, wet clean with cloth if very dirty	After each use, only if very dirty
Additional accessories	Clean	If dirty

## 4.1 SPARE PARTS AND CONSUMABLES

You have purchased a quality product from Vorwerk. To keep you as satisfied in the future with your Vorwerk device as you were the first day, we recommend you take advantage of our reorder options for original care products and original consumables. Reordering is quick and easy:



From our Mail Order Hotline  
(see chapter "8 Services" on page 109).



At our online shop at [www.vorwerk.co.uk](http://www.vorwerk.co.uk)



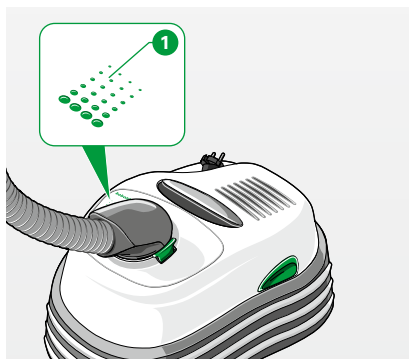


## 4.2 MAINTAINING THE KOBOLD VT300 CYLINDER VACUUM CLEANER

### **WARNING**


#### **Risk of electric shock!**

- Always switch the device off before all retrofitting, cleaning and maintenance work and disconnect the mains plug from the socket.



### 4.2.1 FILTER BAG USAGE AND REPLACEMENT INDICATOR

#### FP300 3IN1 PREMIUM FILTER BAG

The filter fill level indicator  on the Cylinder Vacuum Cleaner shows if the suction power is no longer sufficient and the 3in1 Premium Filter Bag is full.

If the filter fill level indicator is completely yellow, it means that the pores of the 3in1 Premium Filter Bag are blocked. The 3in1 Premium Filter Bag must be changed.



Vorwerk 3in1 Premium Filter Bags can be purchased from the Mail Order Hotline (see chapter “8 Services” on page 109).



Vorwerk 3in1 Premium Filter Bags can also be obtained at our online shop at [www.vorwerk.co.uk](http://www.vorwerk.co.uk)

## CHANGING THE FP300 3IN1 PREMIUM FILTER BAG



### CAUTION

#### Loss of suitability for allergy sufferers!

- Use original Kobold filters and filter bags only.
- Do not reuse spent filter bags.

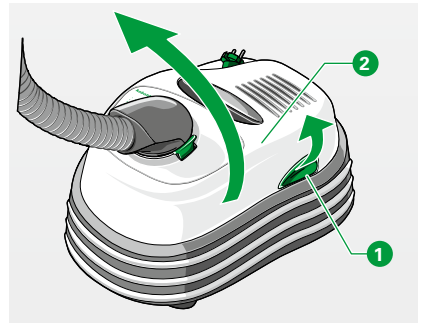
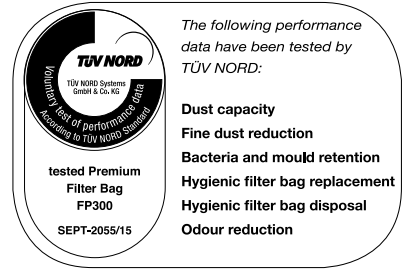
### NOTE

#### Risk of damage from improper use!

- Damp in the filter area can damage the device.
- Should the filter area be damp, make sure to dry it before using the device any further.
- Replace the 3in1 Premium Filter Bag FP300 and the Kobold VT300 motor protection filter.

### OPENING THE FILTER AREA

1. Pull the green release catch **1** on the side of the cover upwards.  
*The cover is unlocked.*
2. Open the filter area **2**.



## INSERTING A NEW FP300 3IN1 PREMIUM FILTER BAG

### NOTE

#### Risk of damage from improper use!

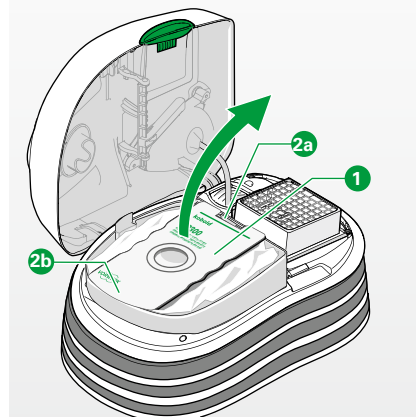
- Avoid inserting the FP300 3in1 Premium Filter Bag forcefully.

1. Open the filter area.  
*The 3in1 Premium Filter Bag sits loosely inside the filter area.*
2. Remove the old 3in1 Premium Filter Bag.

### NOTE

Please note that the filter cover will not close unless a 3in1 Premium Filter Bag is installed.

1. Insert the new 3in1 Premium Filter Bag.
2. Make sure that you place the new 3in1 Premium Filter Bag **1** into the guides **2a** **2b**.  
*When you close the filter area, the green display will come on again. The device is ready for use.*
3. Make sure that the 3in1 Premium Filter Bag is fully inserted under the filter cover.



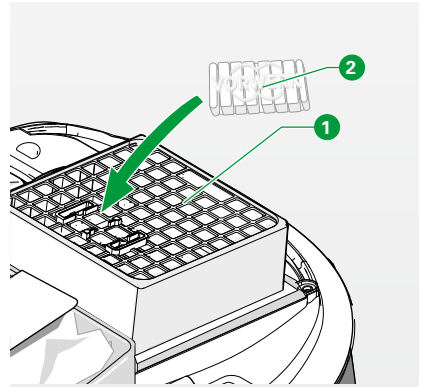
## INSERTING OR REPLACING THE DOVINA FRAGRANCE CHIP

### CAUTION

#### Choking hazard due to swallowing small parts!

- Keep small parts such as Dovina fragrance chips out of the reach of children.

1. Hold the left and right side of the Dovina fragrance chip to remove it.
2. Used Dovina fragrance chips can be disposed of in household waste.
3. Take the new Dovina fragrance chip **2** out of the packaging and place it into the recess on the outlet grille **1** (Vorwerk logo on the top).



## CLEANING AND/OR REPLACING THE MOTOR PROTECTION FILTER ON THE KOBOLD VT300 CYLINDER VACUUM CLEANER

The motor protection filter serves to protect your Cylinder Vacuum Cleaner from pollution. To ensure a long service life for your Cylinder Vacuum Cleaner, make sure to perform visual inspections and maintain the motor protection filter regularly.

The motor protection filter can be cleaned as many times as necessary. It must only be replaced if the 3in1 Premium Filter Bag has been damaged or if the motor protection filter is extremely dirty or gummed up.

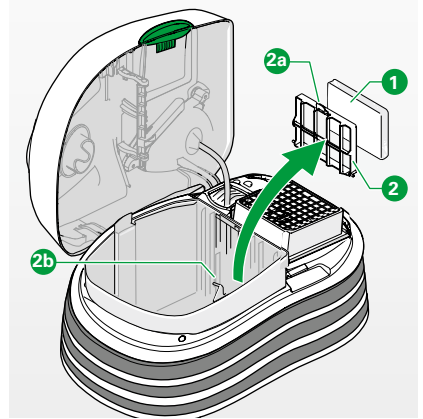
### NOTE

#### Risk of damage from improper use!

- Use the Kobold VT300 Cylinder Vacuum Cleaner only with the motor protection filter inserted.

## REMOVING AND INSERTING THE MOTOR PROTECTION FILTER

1. Open the filter area.
2. First remove the 3in1Premium Filter Bag from the device.
3. Then press on the flap **2a** located at the top of the retaining grid frame **2** on the motor protection filter.
4. Remove the white grid frame with the old motor protection filter.
5. Dispose of the old motor protection filter.
6. Place the new motor protection filter **1** into the grid frame.
7. Attach the entire yellow grid frame at the bottom to the holder **2b**.
8. Ensure that the flap at the top **2a** clicks into place.
9. Put the 3in1 Premium Filter Bag back into the device. Please note that the filter cover will not close unless a 3in1 Premium Filter Bag is installed.
10. Close the filter area.  
*The device is ready for use.*



## CLEANING THE MOTOR PROTECTION FILTER

### NOTE

#### **Risk of damage from improper use!**

- Do not clean the Kobold VT300 motor protection filter with water or other fluids.

1. Vacuum the motor protection filter from both sides.

## REPLACING THE MOTOR PROTECTION FILTER

1. If the motor protection filter has been damaged or is extremely dirty, insert a new one.



The Motor protection filter can be purchased from the Mail Order Hotline (see chapter “8 Services” on page 109).



Motor protection filters can also be obtained at our online shop at [www.vorwerk.co.uk](http://www.vorwerk.co.uk)

## 4.3 KOBOLD EB400 AUTOMATIC ELECTRIC BRUSH

### WARNING

#### Risk of electric shock!

- Always switch the device off before all retrofitting, cleaning and maintenance work and disconnect the mains plug from the socket.

### CAUTION

#### Pinching hazard!

- Stay clear of the moving parts on the Kobold EB400 Automatic Electric Brush.

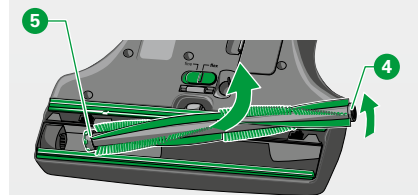
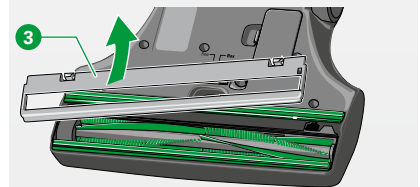
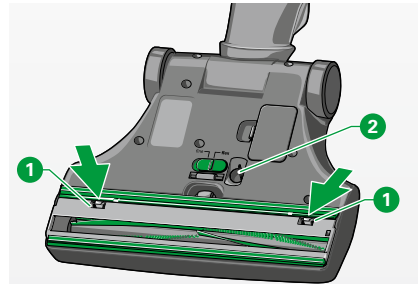
### 4.3.1 CHECKING AND CLEANING

1. Check the underside every once in a while to prevent damage to the device and floor.
2. Perform visual inspections from time to time in order to detect defects or very dirty areas.
3. A dirty sensor **2** can simply be vacuumed. Do not insert any sharp objects into the sensor shaft.

### 4.3.2 TAKING OUT THE BRUSH TO CLEAN OR REPLACE IT

#### REMOVING THE ROLLER BRUSH

1. Place the Automatic Electric Brush upside down.
2. Unlock the floor plate **3** by pressing the locks **1** on both sides at the same time with your hands.
3. Take off the floor plate **3**.
4. First lift the green side of the roller brush **4** out of the Automatic Electric Brush and then pull the black side **5** off the axle.

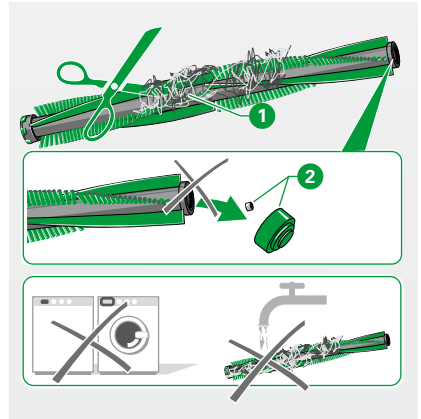


## CLEANING THE ROLLER BRUSH

**NOTE****Risk of damage to the device due to improper cleaning!**

- Never wet clean the roller brush. The roller brush is not dishwasher safe nor waterproof.

1. Remove lint, hair and other dirt from the roller brush.
2. Hair can be cut with scissors along the slots **1**.
3. Make sure that the green cap and the metal cup and ball bearing **2** of the roller brush underneath the cap are not loosened.

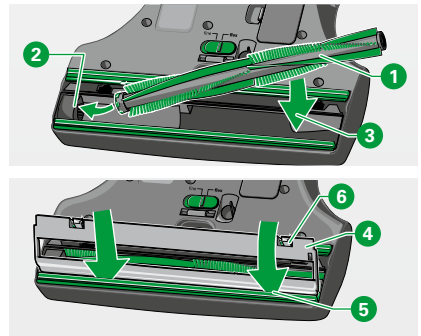


## REINSTALLING THE ROLLER BRUSH

**NOTE****Risk of damage from improper use!**

- If the green cap has been removed, ensure that the small metal bearing ball fits correctly. Otherwise the bearing may be damaged.

1. Set the brush **1** with the black side onto the Torx® cam **2**. The green side is inserted on the opposite side **3**.
2. Place the floor plate **4** under the green sealing lip **5** and swivel it round to the middle of the device, until both locking bolts **6** audibly lock.







Roller brushes can be purchased from the Mail Order Hotline (see chapter “8 Services” on page 109).



Roller brushes can also be obtained from our online shop at [www.vorwerk.co.uk](http://www.vorwerk.co.uk)

## 4.4 KOBOLD SP600

### **WARNING**

#### **Risk of electric shock!**

- Always switch the device off before all retrofitting, cleaning and maintenance work. Before cleaning and maintenance work, also disconnect the mains plug from the socket.
- Never clean electrical connections with water, wet cleaning agents or the wet cleaning cloth.
- Never pour water over the device and never hold it under running water.

### **CAUTION**

#### **Pinching hazard!**

- Keep away from the moving parts of the Kobold SP600.

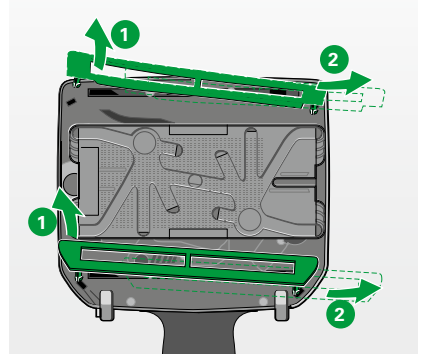
#### 4.4.1 CHECKING AND CLEANING THE SEALING LIP FRAMES

Check the condition of the sealing lips regularly; if required, remove fluff balls, hairs, etc.

##### REMOVING THE SEALING LIP FRAMES

In order to be able to clean the sealing lips thoroughly, the frames can be removed from the Kobold SP600.

1. Place the SP600 upside down. Make sure that the pivot is facing you.
2. Using gentle force, unlatch the left hand side of the sealing lip frame and pull it upwards to disengage **1**.
3. Then slide it out of its mounting on the right hand side **2**.
4. If required, rinse the sealing lip frames under running water.

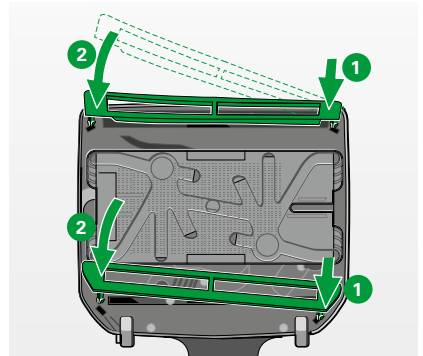


##### MOUNTING THE SEALING LIP FRAMES

Before reattaching the sealing lip frames in the device, they must have dried completely.

The two sealing lip frames are different in shape and have to be fitted on different sides. The end-to-end sealing lip of the frame must point inwards towards the cloth.

1. Insert the sealing lip frame on the right hand side first **1**.
2. Then clip the left hand side into position **2**. Make sure that the pin is inserted into the intended slot on the SP600.



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#### **4.4.2 CLEANING THE TANK**

Rinse the tank regularly with clean water. If needed, you can also rinse out the tank with a mild soap solution.

## 4.5 KOBOLD PB440 ELECTRIC UPHOLSTERY BRUSH AND KOBOLD MP440/MR440 MATTRESS CLEANING SET

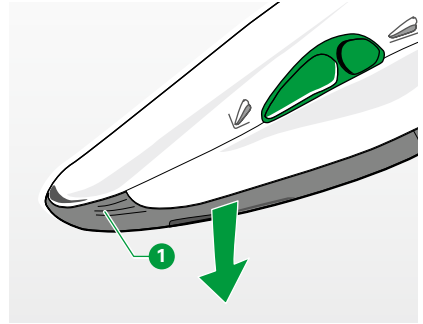
### **⚠ WARNING**

#### **Risk of electric shock!**

- Always switch the device off before all retrofitting, cleaning and maintenance work and disconnect the mains plug from the socket.
- Never clean the Kobold PB440 Electric Upholstery Brush or suction nozzle with water or damp cleaning agents.

#### 4.5.1 KOBOLD PB440 ELECTRIC UPHOLSTERY BRUSH

1. Press the release lever and pull the Electric Upholstery Brush from the electric suction hose by the grip handles **1**.
2. Detach the suction nozzle.
3. Brush or wipe the device dry.
4. Check the suction nozzle every once in a while to ensure that no threads or hairs have coiled around the roller brushes.
5. If so, remove the suction nozzle.
6. Cut the threads or hairs with small scissors.
7. When inserting the suction nozzle, place the tips of the nozzle into the intended openings first.
8. Push the suction nozzle at the finger grooves **1** firmly against the device. Make sure that you can hear the suction nozzle engage.



#### 4.5.2 CLEANING THE KOBOLD MP440 MATTRESS FRESHENER

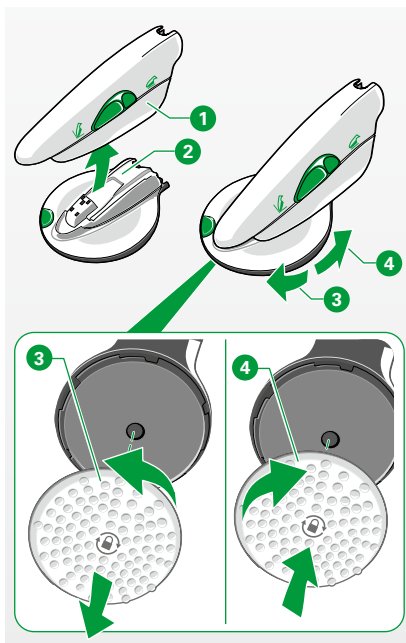
After the cleaning process, Lavenia residue may be stuck to the nubbed disc which impairs functionality during subsequent use.

1. Check the nubbed disc for residual dirt after every mattress cleaning.
2. Vacuum up Lavenia residue with the Electric Suction Hose, Flexo Nozzle or Soft Nozzle.

The nubbed disc can also be removed in order to clean it under running water.

Proceed as follows:

1. Mount the Mattress Freshener **2** on the Electric Upholstery Brush **1**.
2. Turn the nubbed disc to release it (bayonet closure) **3**.  
Note the symbol (lock) on the nubbed disc.
3. After cleaning and drying the nubbed disc, re-install it by turning it in the opposite direction **4**.



**i** The nubbed disc can only be removed if the Mattress Freshener is mounted on the Electric Upholstery Brush.

### 4.5.3 CLEANING THE KOBOLD MR440 MATTRESS VACUUMER

Lavenia may get stuck between the rubber beater bars of the Mattress Vacuumer.

1. Vacuum up Lavenia residue with the Electric Suction Hose, Flexo Nozzle or Soft Nozzle. Never wet clean the entire device.

If it is very dirty, you can remove the beater unit from the Mattress Vacuumer for separate wet cleaning:

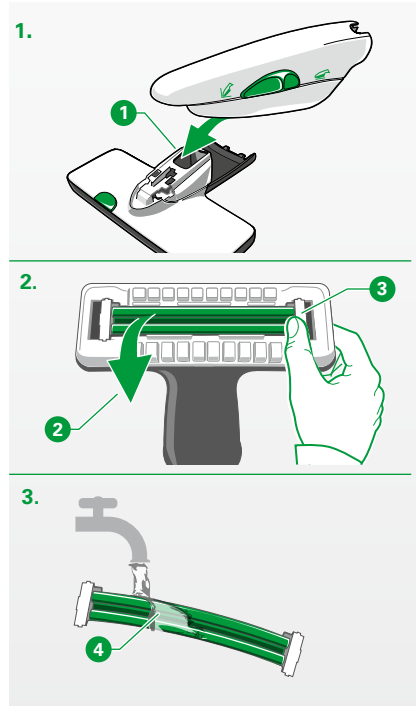
1. Attach the Mattress Vacuumer to the Electric Upholstery Brush **1**.
2. Remove the vibrating bars **2** by first pulling one side and then the other side of the holders outwards **3**.
3. Clean the vibrating bars under running water **4**.

## 4.6 ADDITIONAL ACCESSORIES

This chapter applies to the following accessories:

- Kobold HD60 Hard Floor Nozzle
- Kobold VD15 Variable Nozzle
- Kobold FD15 Flexo Nozzle
- Kobold SD15 Soft Nozzle

1. The accessory heads can be rinsed off under running water.
2. Allow the accessory heads to dry off before reusing them.
3. Clean the bristles of the Soft Nozzle with soap and lukewarm water.



## 5 TROUBLESHOOTING

### WARNING

#### Risk of electric shock and injury!

- Never perform repairs on your device yourself. Repairs to electric appliances may only be carried out by your authorised Vorwerk Customer Service Centre.
- Do not continue using the electrical accessory heads or the power cord if they become damaged.
- In case of damage, contact your Vorwerk Customer Service Centre.
- Should water get into the Kobold SP600 and/or the vacuum cleaner, ensure that both the Kobold vacuum cleaner and the Kobold SP600 are completely dry before using them again.

If your device is not working properly, it may be due to one of the following causes:

### 5.1 KOBOLD VT300 CYLINDER VACUUM CLEANER

Fault	Possible causes and rectification
The device doesn't run and the LEDs flash red.	<p>Possibly the device has overheated.</p> <ul style="list-style-type: none"><li>• Pull out the mains plug.</li><li>• Let the device cool down and try again.</li></ul> <p>If the fault still continues to occur:</p> <ul style="list-style-type: none"><li>• Contact the Vorwerk customer service (see chapter "8 Services" on page 109).</li></ul>
The filter area on the vacuum cleaner will not close.	<p>A 3in1 Premium Filter Bag has not been inserted.</p> <ul style="list-style-type: none"><li>• Insert a new 3in1 Premium Filter Bag.</li></ul> <p>The 3in1 Premium Filter Bag is not correctly inserted.</p> <ul style="list-style-type: none"><li>• Insert the 3in1 Premium Filter Bag again.</li></ul>
The Cylinder Vacuum Cleaner releases an unpleasant odour.	<p>The activated carbon in the 3in1 Premium Filter Bag has lost its ability to retain odours.</p> <ul style="list-style-type: none"><li>• Replace the 3in1 Premium Filter Bag.</li></ul> <p>The 3in1 Premium Filter Bag has lost its ability to retain odours even though it is not full.</p> <ul style="list-style-type: none"><li>• Replace the 3in1 Premium Filter Bag and insert a new Dovina fragrance chip.</li><li>• Thoroughly clean the suction channel of the Cylinder Vacuum Cleaner and/or that of the connected device as well as the motor protection filter.</li></ul>

<b>Fault</b>	<b>Possible causes and rectification</b>
<p>The suction force of the Cylinder Vacuum Cleaner is declining.</p>	<p>The air flow is blocked. The 3in1 Premium Filter Bag may be full.</p> <ul style="list-style-type: none"> <li>• Replace the 3in1 Premium Filter Bag.</li> </ul> <p>The Kobold ESS300 Electric Suction Hose is not correctly attached.</p> <ul style="list-style-type: none"> <li>• Connect the Electric Suction Hose to the device, ensuring that it correctly clicks into place.</li> </ul> <p>The Electric Suction Hose or the Kobold ESR300 Electric Suction Tube is blocked.</p> <ul style="list-style-type: none"> <li>• Carefully remove the blockage in the Electric Suction Hose or the Electric Suction Tube using an appropriate tool, such as a ruler.</li> </ul> <p>The accessory head is blocked.</p> <ul style="list-style-type: none"> <li>• Separate the accessory head from the Cylinder Vacuum Cleaner.</li> <li>• Remove the dirt that has become lodged.</li> </ul> <p>The motor protection filter is extremely dirty.</p> <ul style="list-style-type: none"> <li>• Clean or replace the motor protection filter (see chapter "Cleaning and/or replacing the motor protection filter on the Kobold VT300 Cylinder Vacuum Cleaner" on page 82).</li> </ul>
<p>The Cylinder Vacuum Cleaner sets itself to a different power performance level and gets louder.</p>	<p>After prolonged use, with high ambient temperature or when the 3in1 Premium Filter Bag is full or blocked, the Cylinder Vacuum Cleaner will set itself to a different power performance level as a result of overheating so that the suction performance can no longer be regulated. In this case the valve will open automatically allowing air to flow directly into the inside of the motor.</p> <ul style="list-style-type: none"> <li>• Check the suction channel and the connected accessory heads.</li> <li>• Remove any blockages and replace the 3in1 Premium Filter Bag if necessary.</li> <li>• Let the motor cool down.</li> </ul> <p>This effect can also be the result of switching from hard floors to carpeting or generally when using power performance level auto (automatic suction power).</p>



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**Fault****Possible causes and rectification**

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After prolonged use, with high ambient temperature or when the filter bag is full or blocked, the Cylinder Vacuum Cleaner can switch off.

It is possible that the motor is overstrained.

- Check the suction channel and the connected accessories.
- Remove any blockages and replace the 3in1 Premium Filter Bag if necessary.
- Let the motor cool down.

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The filter fill level indicator is lit up yellow.

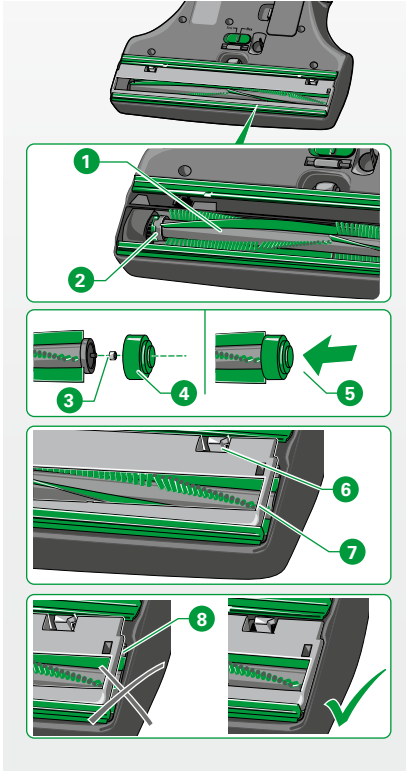
The 3in1 Premium Filter Bag is full.

- Change the 3in1 Premium Filter Bag as described in chapter "Changing the FP300 3in1 Premium Filter Bag" on page 80.
-

## 5.2 KOBOLD EB400 AUTOMATIC ELECTRIC BRUSH

### Fault

The Automatic Electric Brush is too loud.



### Possible causes and rectification

The roller brush **1** is not mounted on the TORX® cam **2** of the gear mechanism.

- Check if the roller brush **1** is correctly inserted and mount it on the TORX® cam **2** of the gear mechanism if necessary.

The small bearing ball **3** of the cup and ball bearing is missing.

- Make sure that the bearing ball **3** is properly inserted.

The green cap of the cup and ball bearing **4** is not properly installed.

- Check if the green cap **4** is properly installed. If not then position the green cap correctly **5**.

The floor plate is not properly engaged **8**.

- Make sure that both locks (left and right) **6** engage audibly with a click during installation **7**.

Maybe original Kobold accessories were not used, which can lead to bearing or motor damage.

- Use original Kobold roller brushes only.

An object might have got stuck in the area around the roller brushes.

- Remove the object.

Threads have coiled around the roller brush.

- Cut the threads as described in the chapter "Cleaning the roller brush" on page 86.

The slider for switching between coarse materials and fine dust on the underside of the Automatic Electric Brush cannot be moved.

The Automatic Electric Brush is in hard floor mode.

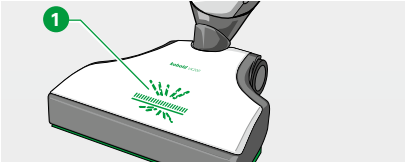
- Make sure that the Automatic Electric Brush was properly switched off. Connect the Automatic Electric Brush to the Cylinder Vacuum Cleaner and switch it on and off again in the standby position (joint locked).

The Automatic Electric Brush is now in carpet mode.

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**Fault**

The Automatic Electric Brush switches itself off, the operating display flashes red **1**.

**Possible causes and rectification**

A vacuumed object is blocking the brush of the Automatic Electric Brush.

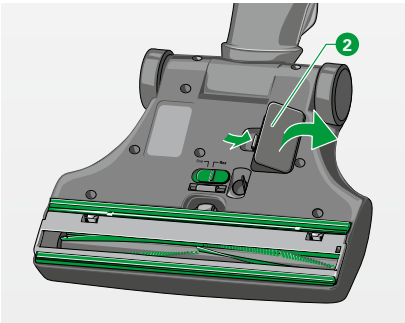
- Switch the device off and unplug the mains plug from the socket.
- Remove the object.

Threads block the brush of the Automatic Electric Brush.

- Cut the threads as described in the chapter "Cleaning the roller brush" on page 86.

---

The suction channel of the Automatic Electric Brush is blocked.



Switch the device off and unplug the mains plug from the socket.

- Open the inspection flap **2** on the underside of the Automatic Electric Brush.
- Remove the blockage.
- To do this, use an appropriate object (e.g. screwdriver, crochet needle).

---

The Automatic Electric Brush is hard to push.

You might have set the power performance level too high.

- Use the main switch on the handle of the Cylinder Vacuum Cleaner to set the device to a lower power performance level or use power performance level auto in general.

The Automatic Electric Brush may be in manual operating mode.

- Switch the Cylinder Vacuum Cleaner off and back on again.

---

After replacing the roller brush, the device does not work any more.

The Automatic Electric Brush is not properly connected to the Cylinder Vacuum Cleaner.

- Check if the plug connection between the Automatic Electric Brush and the Cylinder Vacuum Cleaner is correctly engaged.

The roller brush is not correctly inserted.

- Mount the roller brush exactly on the TORX® cam of the drive axle.
-

## 5.3 KOBOLD VF200 CARPET FRESHENER

Fault	Possible causes and rectification
<p>The cleaning performance of the Carpet Freshener is significantly reduced.</p>	<p>There may be cleaning residue from a previous carpet cleaning in the device, preventing proper functioning of the Carpet Freshener.</p> <ul style="list-style-type: none"> <li>• Clean the dosage hopper and brush as described in chapter "3.2.7 Cleaning the Kobold VF200 Carpet Freshener after use" on page 39.</li> </ul> <p>The dosage of Kobosan Active may not have been sufficient, or the properties of your carpet make it unsuitable for cleaning with the Carpet Freshener.</p> <ul style="list-style-type: none"> <li>• Check whether your carpet can be cleaned with the Carpet Freshener.</li> <li>• Check whether the dosage of Kobosan Active was sufficient as specified in the chapter "3.2.1 Carpet cleaning with the Kobold VF200 Carpet Freshener" on page 34.</li> </ul>

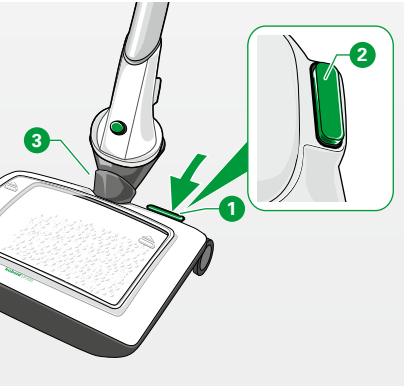
After brush cleaning, the device does not work any more.

The Carpet Freshener is not properly connected to the Cylinder Vacuum Cleaner.

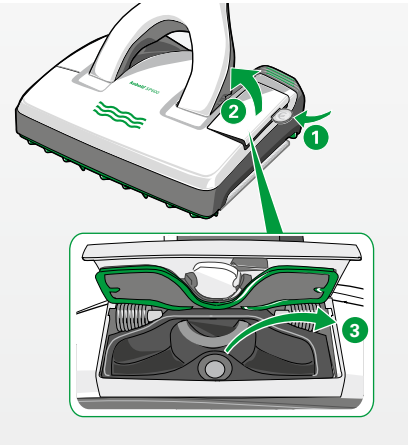
- Check if the plug connection between the Carpet Freshener and the Cylinder Vacuum Cleaner is correctly engaged **3**.

The foot switch was not adequately pressed **1** to start dosage of the Kobosan Active.

- Operate Kobosan Active dosage with the foot switch **2**.



## 5.4 KOBOLD SP600

Fault	Possible causes and rectification
<p>The SP600 switches itself off and the LED waves are lit up red.</p>	<p>It is possible that the motor is overstrained.</p> <ul style="list-style-type: none"><li>• Switch the Cylinder Vacuum Cleaner off.</li><li>• Let the motor cool down.</li><li>• Switch the Cylinder Vacuum Cleaner on.</li></ul>
<p>The Cylinder Vacuum Cleaner switches itself off and the SP600 switches off simultaneously. The LED waves are flashing red and the inspection flap comes open.</p>	<p>Moisture has been sucked in.</p> <ul style="list-style-type: none"><li>• Switch the Cylinder Vacuum Cleaner off.</li><li>• Using a kitchen towel, dry the area of the suction channel that is exposed by the inspection flap.</li><li>• After the device has dried completely, switch on the Cylinder Vacuum Cleaner and close the secondary air flap of the SP600.</li><li>• It is possible that this step will need to be repeated several times.</li></ul>
<p>When switching on the Cylinder Vacuum Cleaner, the LED waves on the SP600 light up red.</p>	<p>Moisture was absorbed when the device was last used.</p> <ul style="list-style-type: none"><li>• Switch the Cylinder Vacuum Cleaner off.</li><li>• Close the flap.</li><li>• Then switch the Cylinder Vacuum Cleaner back on again.</li></ul>
<p>The suction channel of the SP600 is blocked.</p> 	<ul style="list-style-type: none"><li>• Switch the Cylinder Vacuum Cleaner off.</li><li>• Open the inspection flap on the left hand side of the device. This can be done by inserting a coin into the groove ①.</li><li>• The magnetic latch on the inspection flap comes open ②. You can now clearly see inside the suction channel.</li><li>• Remove any objects that are blocking the suction channel ③. To do this, use an appropriate object (e.g. screwdriver, crochet needle).</li><li>• Close the inspection flap again by pressing it shut. The magnetic latch on the inspection flap will click into place and it is now firmly closed.</li><li>• Also check whether the suction openings between the sealing lips are clear. If necessary, shake out any objects inside.</li></ul>
<p>The joint connector of the SP600 is blocked.</p>	<ul style="list-style-type: none"><li>• Remove the blockage with a suitable tool (e.g. screw driver, crochet hook).</li></ul>

Fault	Possible causes and rectification
The SP600 is making unusual noises.	<p>It is possible that the device has not been closed correctly or that the cloth holder has not been mounted correctly.</p> <ul style="list-style-type: none"> <li>• Check whether the inspection flap is closed correctly and close it if not.</li> <li>• Check the cloth holder is correctly inserted and the green latch is engaged.</li> </ul> <p>It is possible that the tank is not correctly installed.</p> <ul style="list-style-type: none"> <li>• Switch the Cylinder Vacuum Cleaner off.</li> <li>• Install the tank as described in the chapter "Removing, filling and inserting the tank" on page 51.</li> <li>• Then switch the Cylinder Vacuum Cleaner back on again.</li> </ul>
The secondary air flap does not close/does not remain closed.	<p>It is possible that the holding magnet is dirty.</p> <ul style="list-style-type: none"> <li>• Switch the Cylinder Vacuum Cleaner off.</li> <li>• Clean the surface of the magnet.</li> </ul> <p>It is possible that the suction channel is still wet.</p> <ul style="list-style-type: none"> <li>• Switch the Cylinder Vacuum Cleaner off.</li> <li>• Using a kitchen towel, dry the area of the suction channel that is exposed by the inspection flap.</li> <li>• Let the suction channel dry before continuing.</li> </ul>
The SP600 is swivelling excessively.	<p>The cleaning cloth is not fixed properly.</p> <ul style="list-style-type: none"> <li>• Check whether the cleaning cloth is straight and firmly fixed on the cloth holder.</li> <li>• Check whether the green nose of the cleaning cloth has been correctly and fully pushed in.</li> </ul> <p>The cloth holder is not inserted correctly.</p> <ul style="list-style-type: none"> <li>• Check whether the cloth holder has attached itself correctly to the SP600.</li> </ul> <p>It is possible that original cleaning cloths were not used.</p> <ul style="list-style-type: none"> <li>• Only use original Kobold cleaning cloths.</li> <li>• Use the Kobold MF600 Universal cleaning cloth on rough surfaces.</li> </ul>

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**Fault****Possible causes and rectification**

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The SP600 causes streaks/marks on the floor.

It is possible that the sealing lip frames are dirty and jammed.

- Remove the front sealing lip frame as described in chapter "4.4.1 Checking and cleaning the sealing lip frames" on page 88.

It is possible that the cleaning cloth is soiled excessively.

- Change the cleaning cloth as described in the chapter "Removing and replacing the Kobold MF600 cleaning cloth" on page 61.

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The vacuuming result of the SP600 is insufficient.

It is possible that the sealing lip frames are dirty and jammed.

- Remove and clean the sealing lip frames as described in chapter "4.4.1 Checking and cleaning the sealing lip frames" on page 88.
- Also check whether the suction openings between the sealing lips are clear from underneath. If necessary, shake out any objects inside.

It is possible that the cleaning cloth has been fixed in a diagonal position on the cloth holder and collides with the sealing lip frames.

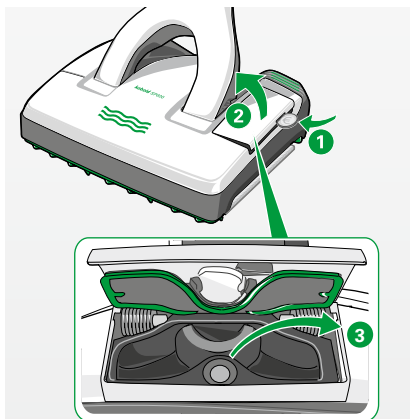
- Check whether the cleaning cloth is evenly fixed on the cloth holder.

It is possible that the suction channel is blocked.

- Open the inspection flap on the left hand side of the SP600 to clear any blockages. This can be done by inserting a coin into the groove **1**.

The magnetic latch on the inspection flap comes open **2**. You can now clearly see inside the suction channel.

- Remove any objects that are blocking the suction channel **3**. To do this, use an appropriate object (e.g. screwdriver, crochet needle).
  - Close the inspection flap again by pressing it shut. The magnetic latch on the inspection flap will click into place and it is now firmly closed.
- 



<b>Fault</b>	<b>Possible causes and rectification</b>
The cleaning performance of the SP600 worsens.	<p>It is possible that the cleaning cloth is soiled excessively.</p> <ul style="list-style-type: none"> <li>• Change the cleaning cloth as described in the chapter “Removing and replacing the Kobold MF600 cleaning cloth” on page 61.</li> </ul> <p>It is possible that the cleaning cloth is too dry.</p> <ul style="list-style-type: none"> <li>• Check the LED waves on the SP600. If they are lit up yellow, you need to fill the tank as described in the chapter “Removing, filling and inserting the tank” on page 51.</li> <li>• Apply moisture to the cleaning cloth using the function key as described in the chapter “Single application of moisture to a dry cloth” on page 56.</li> <li>• You can also increase the moisture setting, if required, using the function key as described in chapter “3.4.8 Automatic application of moisture and dry mode” on page 54.</li> </ul>
Streaks are forming.	<p>It is possible that the cleaning cloth was not washed prior to first use.</p> <ul style="list-style-type: none"> <li>• Wash the cleaning cloth prior to first use as described in “Cleaning the Kobold MF600 cleaning cloths” on page 62.</li> </ul> <p>It is possible that the cleaning agent has been overdosed.</p> <ul style="list-style-type: none"> <li>• Repeat the cleaning process with a new cleaning cloth and clean water.</li> </ul> <p>It is possible that there are residual quantities of old care products and cleaning agents on the floor.</p> <ul style="list-style-type: none"> <li>• Repeat the cleaning process until it improves; a basic cleaning might be required.</li> </ul> <p>It is possible that the cleaning cloth is soiled excessively.</p> <ul style="list-style-type: none"> <li>• Change the cleaning cloth as described in the chapter “Removing and replacing the Kobold MF600 cleaning cloth” on page 61.</li> </ul> <p>The moisture film does not dry evenly.</p> <ul style="list-style-type: none"> <li>• Go over the floor again using the SP600 in dry mode with a dry cleaning cloth to remove residual liquid.</li> </ul>



<b>Fault</b>	<b>Possible causes and rectification</b>
<p>The SP600 cleans edges insufficiently.</p>	<p>It is possible that the cleaning cloth has not been fixed properly.</p> <ul style="list-style-type: none"> <li>• Check whether the cleaning cloth is straight and firmly fixed on the cloth holder.</li> </ul> <p>It is possible that the cleaning cloth was not washed prior to first use.</p> <ul style="list-style-type: none"> <li>• Wash the cleaning cloth prior to first use as described in the chapter “Cleaning the Kobold MF600 cleaning cloths” on page 62.</li> </ul> <p>It is possible that the cleaning cloth is too dry.</p> <ul style="list-style-type: none"> <li>• Check the LED waves on the SP600. If they are lit up yellow, you need to fill the tank as described in the chapter “Removing, filling and inserting the tank” on page 51.</li> <li>• Apply moisture to the cleaning cloth using the function key as described in the chapter “Single application of moisture to a dry cloth” on page 56.</li> <li>• You can also increase the moisture setting, if required, using the function key as described in chapter “3.4.8 Automatic application of moisture and dry mode” on page 54.</li> </ul>
<p>A dirt film remains on the floor.</p>	<p>It is possible that the cleaning cloth is soiled excessively.</p> <ul style="list-style-type: none"> <li>• Change the cleaning cloth as described in the chapter “Removing and replacing the Kobold MF600 cleaning cloth” on page 61.</li> </ul>
<p>Stain removal is insufficient.</p>	<p>It is possible that the cleaning cloth is soiled excessively.</p> <ul style="list-style-type: none"> <li>• Change the cleaning cloth as described in the chapter “Cleaning the Kobold MF600 cleaning cloths” on page 62.</li> </ul> <p>It is possible that the cleaning cloth is too dry.</p> <ul style="list-style-type: none"> <li>• Check the LED waves on the SP600. If they are lit up yellow, you need to fill the tank as described in the chapter “Removing, filling and inserting the tank” on page 51.</li> <li>• Apply moisture to the cleaning cloth using the function key as described in the chapter “Single application of moisture to a dry cloth” on page 56.</li> <li>• You can also increase the moisture setting, if required, using the function key as described in chapter “3.4.8 Automatic application of moisture and dry mode” on page 54.</li> </ul>

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<b>Fault</b>	<b>Possible causes and rectification</b>
After cleaning, the floor looks tarnished.	<p data-bbox="477 169 1028 220">It is possible that there are residual quantities of old care products and cleaning agents on the floor.</p> <ul data-bbox="477 236 1059 547" style="list-style-type: none"><li data-bbox="477 236 1059 320">• First let the floor dry completely and, if there is still no change, use a dry cloth to remove the residual layer of polish.</li><li data-bbox="477 323 1059 408">• Alternatively, use the MF600 Dry cleaning cloth to remove any residual quantities of care products and cleaning agents.</li><li data-bbox="477 411 1059 464">• Repeat the cleaning process, and change the cloth if required until it improves.</li><li data-bbox="477 467 1059 547">• If there is no improvement, carry out a thorough clean of the floor before continuing to work with the SP600.</li></ul>
The moisture film is uneven.	<p data-bbox="477 563 854 587">It is possible that the tank is empty.</p> <ul data-bbox="477 603 1059 831" style="list-style-type: none"><li data-bbox="477 603 1059 715">• Check the LED waves on the SP600. If they are lit up yellow, you need to fill the tank as described in the chapter "Removing, filling and inserting the tank" on page 51.</li><li data-bbox="477 718 1059 831">• Moisten the cleaning cloth by pressing the function key as described in chapter "3.4.8 Automatic application of moisture and dry mode" on page 54 before continuing.</li></ul>
The floor is getting too wet.	<ul data-bbox="477 847 1059 1099" style="list-style-type: none"><li data-bbox="477 847 1059 932">• Set the SP600 to dry mode, as described in chapter "3.4.8 Automatic application of moisture and dry mode" on page 54.</li><li data-bbox="477 935 1059 1019">• Continue working without the automatic moistening function for the time being until the floor appears to be drying.</li><li data-bbox="477 1023 1059 1099">• Then set the SP600 to moisture setting 1, as described in chapter "3.4.8 Automatic application of moisture and dry mode" on page 54.</li></ul>

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## 5.5 KOBOLD PB440 ELECTRIC UPHOLSTERY BRUSH

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Fault	Possible causes and rectification
The Electric Upholstery Brush will not operate.	<p>The Electric Upholstery Brush was connected to the TR15 Telescopic Tube or a Suction Hose without the power cord.</p> <ul style="list-style-type: none"><li>• Connect the Electric Upholstery Brush to an Electric Suction Hose.</li></ul> <p>The Cylinder Vacuum Cleaner is not switched on.</p> <ul style="list-style-type: none"><li>• Switch on the device.</li></ul>
The bristles of the Electric Upholstery Brush are deformed or matted.	<p>Fringes or fabrics were vacuumed up and pulled out again.</p> <ul style="list-style-type: none"><li>• Replace the suction nozzle.</li></ul>
The brushes of the Electric Upholstery Brush no longer rotate.	<p>The Cylinder Vacuum Cleaner is not switched on.</p> <ul style="list-style-type: none"><li>• Switch on the device.</li></ul> <p>The suction nozzle is not correctly inserted.</p> <ul style="list-style-type: none"><li>• Make sure to engage the suction nozzle properly.</li></ul> <p>Something was sucked in that is blocking the brushes.</p> <ul style="list-style-type: none"><li>• Switch the device off and unplug the mains plug from the socket.</li><li>• Remove the object that was sucked in.</li><li>• Switch the device back on.</li></ul>

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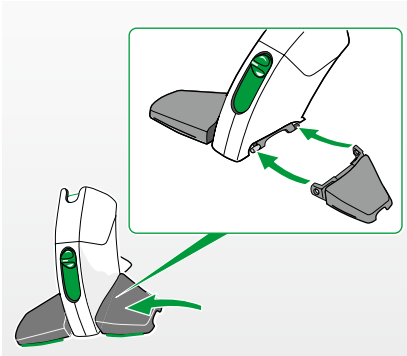
## 5.6 KOBOLD FD15 FLEXP NOZZLE

### Fault

The wings of the Flexo Nozzle are unhooked.

### Possible causes and rectification

- Reattach the wings.



If the fault cannot be rectified, please contact Vorwerk's customer service department (see chapter "8 Services" on page 109).

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## 6 DISPOSAL AND ENVIRONMENTAL PROTECTION

### 6.1 DISPOSAL OF THE DEVICE



The law states that as owner of an electrical or electronic device you are not allowed (under DIRECTIVE 2012/19/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4th July 2012 on waste electric and electronic equipment, and the reformed German Electrical and Electronic Equipment Act of 20 October 2015) to dispose of this device or its electrical/electronic accessories via unsorted domestic waste.

- Instead, please use the free collection centres intended for this purpose.
- Contact your local council for information.

### 6.2 DISPOSING OF THE PACKAGING

The packaging is an important part of our product: it protects our devices from damage during transportation and reduces the risk of a device fault. For this reason, we cannot avoid using packaging. If you need to return or send in your device during the warranty period, or after, to the service or customer service department, the original packaging is the best protection against damages in transit.

If you nevertheless wish to dispose of the packaging, you can do this at any time and without limitation via your local council facilities (waste paper skip, yellow skip, recycling depot, waste paper collection etc.). Vorwerk commissions authorised licensors for this. In case of queries please contact your respective Service centre (see chapter “8 Services” on page 109).

### 6.3 INFORMATION ON ENVIRONMENTAL PROTECTION

Preserving nature and protecting the environment: At Vorwerk, environmental protection is an important company objective.

#### 6.3.1 LESS PACKAGING

We use only environmentally friendly material, which is recycled if disposed of correctly. We are actively involved in cutting back on waste packaging during the development stages and are committed to its disposal and recycling.

#### 6.3.2 SAVING ENERGY

Vorwerk products protect the environment: They only use a small amount of energy with high suction performance.

### **6.3.3 ENVIRONMENTALLY FRIENDLY PRODUCTION**

We attach a great deal of importance to environmental protection when manufacturing our products. We use recyclable plastics and colours. We deliberately avoid using polluting flame retardants.

For our filter bags we use solvent-free adhesives, unbleached paper and non-hazardous plastic. Our instruction manuals are made from sustainably managed forests and are bleached without chlorine.

### **6.3.4 REUSABLE MATERIAL**

The material for our products can nearly be completely recycled. We largely avoid using PVC. When manufacturing our products, we use “sorted” materials:

The substances used can later be separated accordingly at modern facilities without much energy expenditure. To make them even easier for recycling, we have labelled most of our plastic components.

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## 7 WARRANTY

Any warranty services can be found in the order note or purchase contract.

## 8 SERVICES



Either in person with your customer representative  
or at the Customer Services



[www.vorwerk.co.uk](http://www.vorwerk.co.uk)

## 9 TECHNICAL SPECIFICATIONS

### Kobold VT300-1 Cylinder Vacuum Cleaner

Safety signs



Housing	High-grade recyclable thermoformed plastic			
Motor	Maintenance-free reluctance motor with ball bearings and electronic performance control at a nominal rotation speed of 60,000 RPM			
Blower	Single-stage radial fan			
Voltage	220–240 volts alternating current 50/60 Hertz			
Nominal output	750 watts (max. 1150 watts nominal output with auxiliary equipment)			
Electrical power output without accessory head or nozzle	Level auto	Level soft	Level med	Level max
	100–450 watts	50 watts	300 watts	450–750 watts
Radius of action	Min. 10.9 m (according to DIN EN 60312-1)			
Max. underpressure	165 hPa (according to DIN EN 60312-1 / at 750 watts)			
Max. air quantity	44 l/s (according to DIN EN 60312-1 / at 750 watts)			
Max. suction power	275 watts (according to DIN EN 60312-1/ at 750 Watt)			
Max. degree of efficiency	37 % (according to DIN EN 60312-1 / at 750 watts)			
Filter bag volume	4.5 l (according to DIN EN 60312-1)			
Dust emission	Approx. 0.001 % (according to DIN EN 60312-1)			
Weight	Approx. 6 kg			
Dimensions	Height approx. 26 cm; width approx. 33 cm; length approx. 43 cm			
Noise emission	78 dB (A) re 1 pW sound power level with Kobold EB400 according to EN 60704-2-1			



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## Kobold EB400-1 Automatic Electric Brush

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Safety signs



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Housing	High-grade recyclable thermoformed plastic
Motor	maintenance-free DC motor and maintenance-free toothed belt drive
Voltage	220–240 volts alternating current 50/60 Hertz
Nominal output	50 watts (only for use in combination with Kobold vacuum cleaners)
Brush	Exchangeable and replaceable rotating brush
Working width	300 mm
Carpet mode	1860-2500 RPM
Hard floor mode	800 RPM
Weight	Approx. 1.8 kg
Dimensions	Height: approx. 7 cm (with horizontal joint) Width: approx. 30 cm Length: approx. 35 cm (with horizontal joint)
Noise emission	78 dB(A) re 1pW sound power level with Kobold VT300 according to EN 60704-2-1

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**Kobold VF200 Carpet Freshener**

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Safety signs



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Housing High-grade recyclable thermoformed plastic

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Working width Device width in the vicinity of the brushes area approx. 310 mm

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Rotational speed of the brush Approx. 2500 RPM

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Weight Approx. 1.8 kg

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Dimensions Height: approx. 11 cm (with horizontal joint)  
Width: approx. 35 cm  
Length: approx. 35 cm (with horizontal joint)

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Noise emission 87 dB(A) re 1pW sound power level with Kobold VT300 according to EN 60704-2-1

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## Kobold SP600-1

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Safety signs



Housing

High-quality, recyclable plastic

Gear unit

1st stage – spur / worm gear  
2nd stage – maintenance-free toothed belt drive 1350 RPM

Motor

maintenance-free DC brush motor

Voltage

220–240 volts alternating current 50/60 Hertz

Nominal output

100 watts (only for use in combination with Kobold vacuum cleaners)

Weight

Approx. 3.5 kg

Dimensions

Height: approx. 10 cm (with horizontal joint)  
Width: approx. 31 cm  
Length: approx. 37 cm (with horizontal joint)

Tank volume

Approx. 260 ml

Noise emission

87 dB(A) re 1 pW sound power level with Kobold VT300 based on EN 60704-2-1 on smooth tiles

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**Kobold PB440-1 Electric Upholstery Brush**

Safety signs



Housing	High-quality plastic with detachable suction nozzle made of shatter-proof polyamide
Motor	maintenance-free DC motor with direct transmission
Brush mechanics	2 counter-rotating roller brushes with approx. 4000 RPM, maintenance-free bearings
Voltage	220–240 volts alternating current 50/60 Hertz
Nominal output	50 watts
Weight	Approx. 600 g (Kobold PB440 Electric Upholstery Brush) Approx. 440 g (Kobold MP440 Mattress Freshener) Approx. 300 g (Kobold MR440 Mattress Vacuumer)
Dimensions	Kobold PB440 Electric Upholstery Brush: Height: approx. 11 cm Width: approx. 8 cm Length: approx. 25 cm Kobold MP440 Mattress Freshener: Height: approx. 6 cm Width: approx. 18 cm Length: approx. 20 cm Kobold MR440 Mattress Vacuumer: Height: approx. 5.5 cm Width: approx. 25 cm Length: approx. 20 cm
Noise emission	82 dB(A) re1 pW sound power level with Kobold VT300 based on EN 60704-2-1 on upholstery fabric 85 dB(A) re1 pW sound power level with Kobold VT300 and Mattress Freshener MP440 based on EN 60704-2-1 on mattress 84 dB(A) re1 pW sound power level with Kobold VT300 and Mattress Vacuumer MR440 based on EN 60704-2-1 on mattress







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