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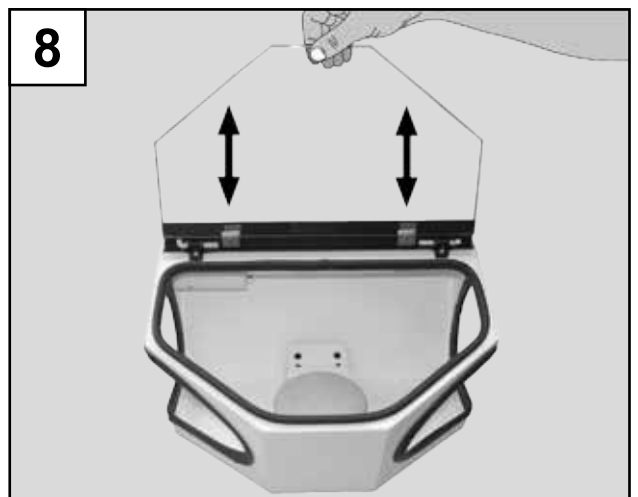
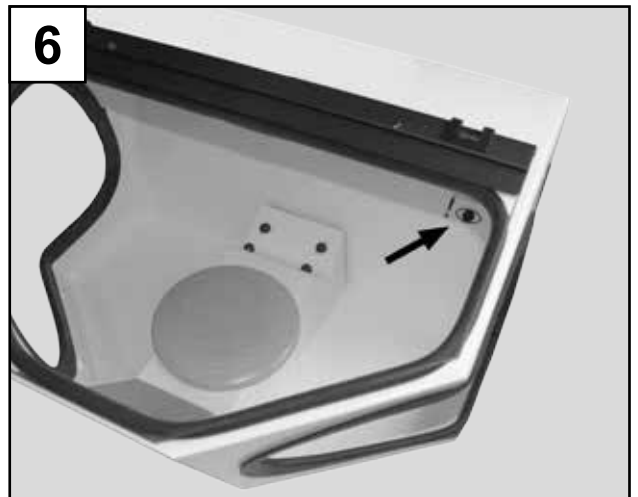
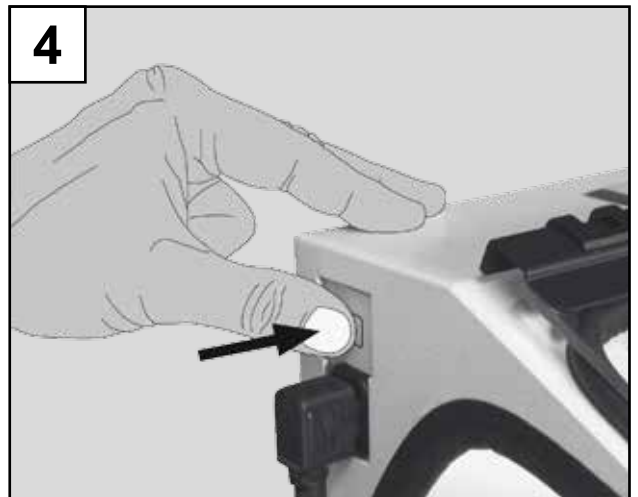
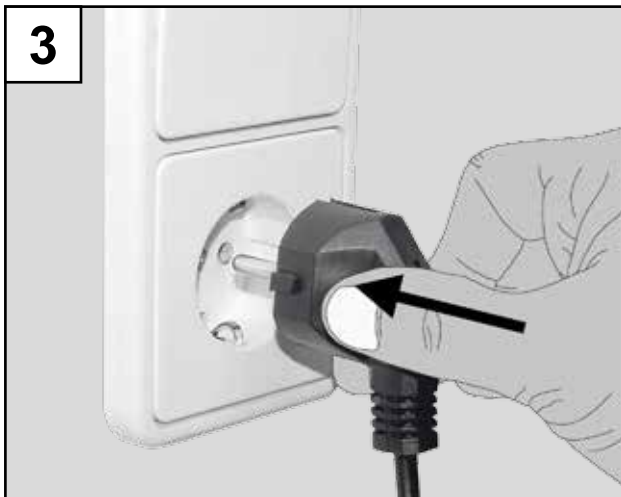
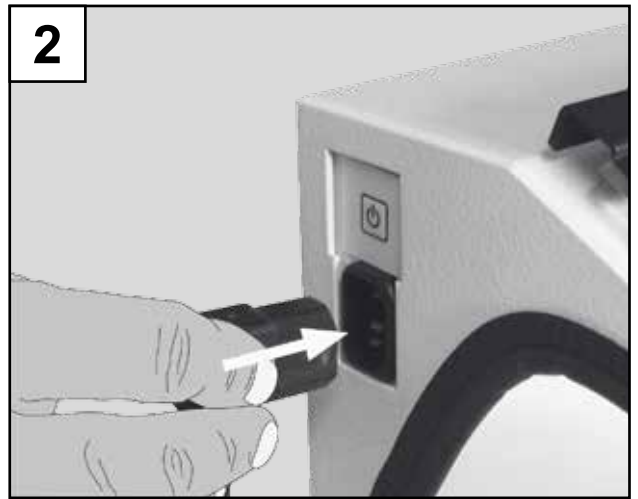
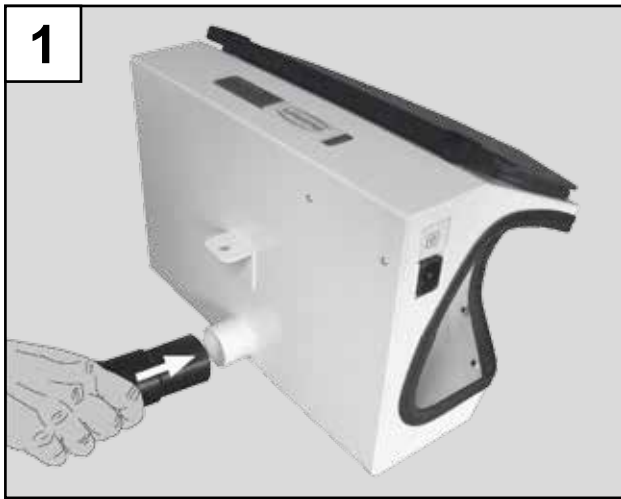
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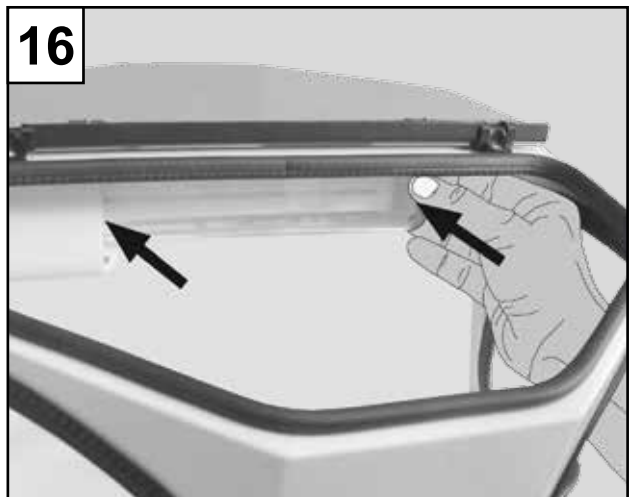
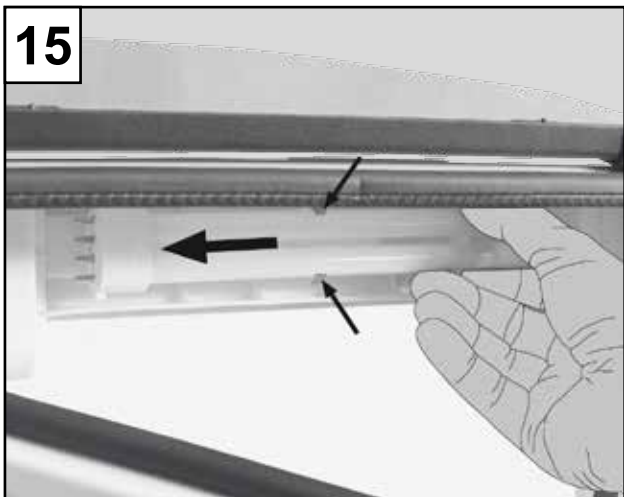
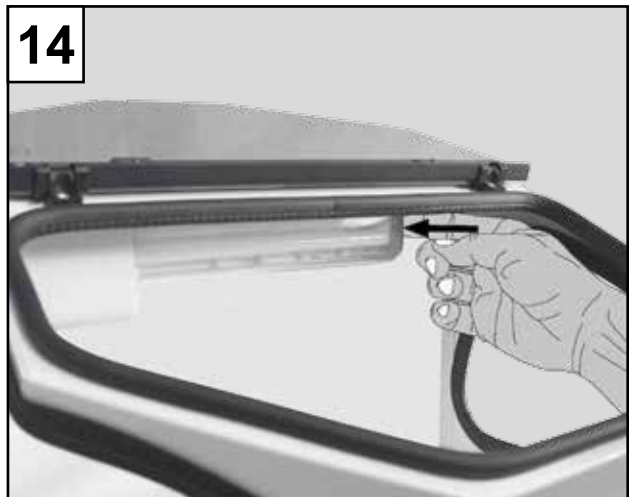
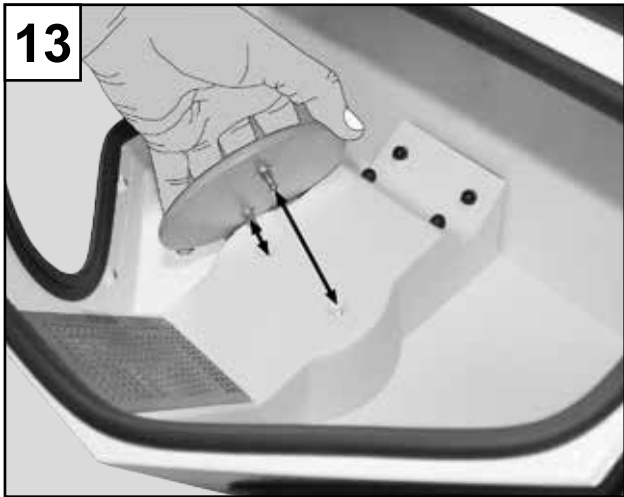
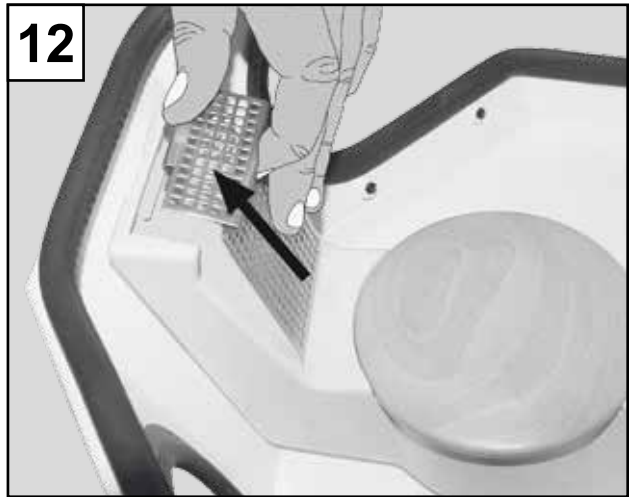
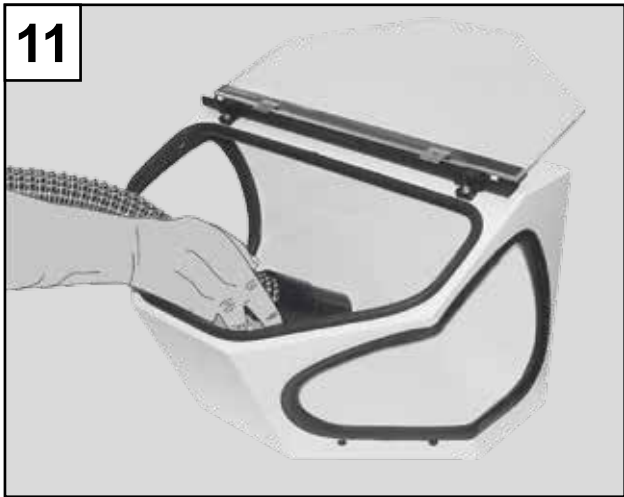
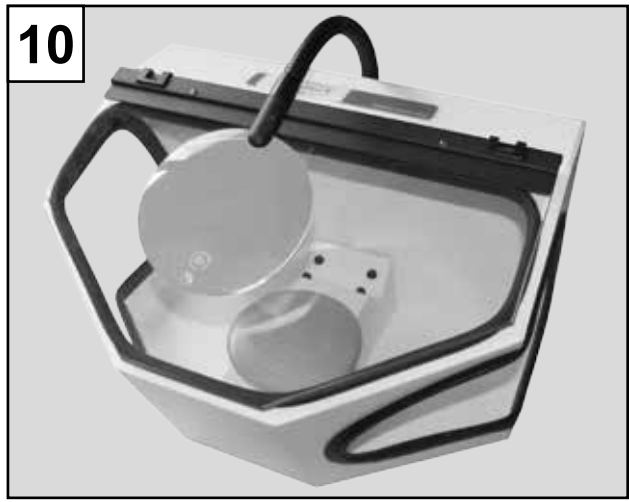
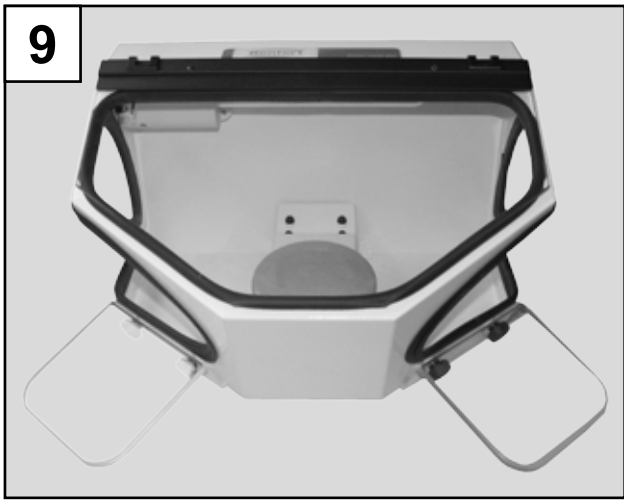
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DUSTEX master plus

Made in Germany

21-6570 05102017





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Dustex master plus

TRANSLATION OF THE ORIGINAL INSTRUCTIONS FOR USE

Made in Germany

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1 Introduction

We are pleased with your decision to purchase a Renfert Dustex master plus dust extractor box.

The Dustex master plus is an extraction box fitted with an extraction duct and arm supports for a more comfortable working position.



Please read the following operating instructions carefully and observe all the information they contain in order to ensure long and trouble-free service.



The suction box is available in an older version with fluorescent tubes and a current version with LED lighting.

In the operating instructions the differences are described wherever relevant.

2 Application Area

In dental technology and clinical laboratories as well as similar professional fields (e.g., goldsmiths, model builders), grinding acrylics, plasters, porcelains, and other materials generates dusts and vapours. The extraction box reduces the effects of dusts and vapours, thus providing improved protection for the operator.

The large openings on the sides offer great freedom of movement, but it is precisely for this reason that the extraction box is not suitable for use with blasting units.

2.1 Ambient Conditions (in accordance with DIN EN 61010-1)

The unit may only be operated:

- Indoors;
- Up to an altitude of 2,000 m [6.500 ft] above sea level;
- At an ambient temperature range of 5 - 40 °C [41 - 104 °F] *);
- At a maximum relative humidity of 80 % at 31 °C [87.8 °F], dropping linearly to 50 % relative humidity at 40 °C [104 °F];
- With a mains power supply whose voltage fluctuations do not exceed 10 % of the rated value;
- Under over-voltage category II conditions;
- Under contamination level 2 conditions.

*) Between 5 - 30 °C [41 - 86 °F] the unit can be operated at a relative humidity of up to 80 %. At temperatures between 31 - 40 °C [87.8 - 104 °F] the humidity must decrease proportionally in order to ensure proper operability (e.g., at 35 °C [95 °F] = 65 % relative humidity, at 40 °C [104 °F] = 50 % relative humidity). The unit may not be operated at temperatures above 40 °C [104 °F].

3 Hazard Information

3.1 Employed Symbols

The following symbols are used in these instructions and on the unit:



Danger

This indicates an imminent risk of injury.



Electrical hazard

There is a risk of electrical shock.



Attention

Failure to observe the associated information can result in damage to the unit.



Note

The operating instructions contain useful information to make handling easier.



Wear eye protection.



Only for indoor use.



Before opening the unit, always disconnect it from the power supply.



Note the operating instructions.



The appliance complies with applicable EU directives.



Within the EU, this device is subject to the provisions of the directive 2002/96/EG (WEEE directive).

3.2 Hazard Information

- ▶ The dust extractor cabinet is an electric unit and, as such, carries with it a certain inherent potential electrical hazard.
- ▶ The unit may not be operated until it has been modified to comply with the local electrical connection requirements. The necessary alterations may only be performed by a qualified electrician.
- ▶ The unit may only be operated if the information on the nameplate conforms with the specifications of your local mains power supply.
- ▶ Only spare parts and accessories supplied or authorized by Renfert GmbH may be used with this product. If other spare parts or accessories are used, this could have a detrimental effect on the safety of the device, increase the risk of serious injury and lead to damage to the environment or the device itself.
- ▶ Never operate the dust extractor cabinet without an appropriate extraction system or suitable personal protective clothing, as operating the unit without proper extraction will not provide adequate protection against dusts and vapours which may be hazardous to your health. The type of extraction employed must be appropriate to the dusts and vapours generated during processing. In this regard, please note the requirements of EN 60335-2-69, Attachment AA, or ask your professional organization or regional authority.
- ▶ The extraction box is not suitable for use in conjunction with blasting units.
- ▶ Improper use of grinding tools in the extraction box carries with it the potential risk of eye and skin injuries.
- ▶ Never grind in the direction of your eyes or uncovered areas of skin!
- ▶ Never work with the viewing pane open!



- ▶ **Always wear appropriate eye protection when operating the unit! Failure to wear eye protection can result in eye injuries due to airborne particles.**
- ▶ Always inspect the electric input lines prior to operation. Units with damaged input lines may not be operated.
- ▶ It is the responsibility of the operator that national regulations during operation and regarding a repeated safety inspection of electrical equipment are complied with. For Germany these are the regulation 3 by DGUV (German Statutory Accident Insurance) in relation with VDE (Association for Electrical & Electronic Technology) 0701-0702.
The device with fluorescent tubes:
 - ▶ Always disconnect the unit from the mains power supply prior to replacing the fluorescent tube.
 - ▶ Never press on or bend the lamp body during replacement (breakage risk). If necessary, wear gloves or use a cloth.

3.3 Liability Exclusion

Renfert GmbH shall be absolved from all claims for damages or warranty if:

- ▶ The product is employed for any purposes other than those cited in the operating instructions;
- ▶ The product is altered in any way other than those alterations described in the operating instructions;
- ▶ The product is repaired by other than an authorized facility or if any but Renfert OEM parts are employed;
- ▶ The product continues to be employed, despite obvious safety faults or damage;
- ▶ The product is subjected to mechanical impacts or is dropped.

4 Installation / Commissioning



Prior to connecting the unit to the mains power supply, compare the information on the extraction box nameplate with the specifications of the local mains power network.

4.1 Setting Up the Unit and Connecting it to an Extractor

Connect the extraction hose to the extraction tube (Figure 1).

4.2 Commissioning

1. Connect one end of the power cord to the extraction box (Figure 2) and plug the other end into the wall outlet (Figure 3).
2. Switch the unit on (Figure 4).



If the membrane key is damaged or defect, please disconnect the device and send away for repair! If the membrane is removed there is the risk of an electrical shock!

Your extraction box is now ready for use.

4.3 Reversing the View Pane

The view pane has a plastic coating on one side.

The eye protection symbol provides you with an indication as to which side of the pane faces inwards:



on the left >>> Coated side inwards (Figure 5)



on the right >>> Glass side inwards (Figure 6)

This coating is particularly resistant to the abrasive particles and dust generated during grinding. However, when grinding and milling components containing acrylics, electrostatic charges may cause dust and particles to adhere to the coating.



Polishing agents containing solvents may also damage the coating.

In such cases, the viewing pane can be reversed so that the uncoated side faces inwards.

The following steps are required in order to do this:

1. Loosen the screws (Figure 7).
2. Pull the pane out (Figure 8).
3. Reverse the pane.
4. Reinsert the pane (Figure 8).
5. Retighten the screws (Figure 7).

4.4 Armrests (Figure 9)

Armrests can be installed on the Dustex master plus to help relieve strain during work with the unit.

The instruction sheet is attached to the Set of armrests.

4.5 Magnifier (Figure 10)

A magnifier attached to a flexible arm can also be installed on the extraction box (please refer to the accessories list).

Installation instructions are provided with the magnifier.

5 Cleaning / Maintenance



Switch off machine and pull plug out before starting cleaning and maintenance work!

5.1 Cleaning the Interior

- Use only solvent-free cleansers (e.g., soapy water).
- Remove the extraction duct and vacuum out the chamber (Figure 11).
- The extraction grate can be removed in order to clean the extraction duct (Figure 12).

5.2 Replacing the Viewing Pane

Please refer to the installation instructions provided with the new view pane.

5.3 Replacing the Wood Support

The wood support can be easily replaced if it becomes damaged as a result of grinding work or simply becomes unsightly with age:

- In order to remove the wood support, lift it off (Figure 13).
- Push a new wood support with ball pins into the bore hole on the extraction duct, making sure it snaps in place (Figure 13).

5.4 Replacing the Fluorescent Lamp

5.4.1 Device with LED lighting

The service life of LED lighting is far higher than that of a fluorescent tube. Therefore, the LEDs can not be changed individually, the complete lighting has to be changed (see chapter 6, Spare Parts).

5.4.2 Device with fluorescent tubes

In these devices, the fluorescent tubes can be changed.



Danger of breakage!

Do not press on the fluorescent lamp or try to bend it when replacing it. We recommend using gloves or a cloth to protect your hands in case of breakage.

- Switch off the unit.
- Pull plug out.
- Lightly press light cover on the right side and remove it (Figure 14).
- Pull fluorescent lamp horizontally out of the socket and remove it.
- Vacuum socket as thoroughly as possible.
- Insert new fluorescent lamp in the retainer and slide it horizontally into the socket (Figure 15).
- Install lamp cover in the housing on the left side, then press it to the right until it clicks into position (Figure 16).



Use only original Renfert replacement fluorescent (see chapter 6, Spare Parts).

5.5 Lamp cover

In the course of time, the lamp cover can become matt. This cover can be ordered as a spare part.

Changing the lamp cover:

- Switch off the unit.
- Pull plug out.
- Lightly press light cover on the right side and remove it.
- Insert the new lamp cover on the left side of the lighting case, then press on the right side until it clicks into place.

6 Spare Parts

You can find components subject to wear and the spare parts on the spare part list in the internet at www.renfert.com/p918. Enter the following item number: 26260105.

The components excluded from the warranty (such as consumables or parts subject to wear and tear) are marked on the spare part list.

Serial number and date of manufacturing are shown on the type plate of the unit.



7 Disposing of the Unit

The unit must be disposed of by an authorized recycling operation. The selected firm must be informed of all possibly health-hazardous residues in the unit.

7.1 Disposal of the lighting equipment

Before disposing of the sandblasting unit / the extraction box, please remove the lighting equipment including the lamp.

- Remove the mains plug.
- Loosen the 2 fixation screws from the lighting equipment at the back of the sandblasting unit / extraction box.
- Remove the lighting equipment.

For disposal of the lighting equipment please observe the following advice:

To conserve and protect the environment, prevent environmental pollution and improve the recycling of raw materials, the European Commission adopted a directive that requires the manufacturer to accept the return of electrical and electronic units for proper disposal or recycling.



Within the European Union units with this symbol should not therefore be disposed of in unsorted domestic waste.

For more information regarding proper disposal please apply at your local authorities.

8 Warranty

Provided the unit is properly used, Renfert **warrants** all components of the Dustex master plus for a **period of 3 years**.

The original sales receipt from the dealer must be provided when making warranty claims.

Parts which are subject to natural wear and tear (wear parts) and consumables are excluded from the guarantee. These parts are marked in the spare part list.

The warranty is voided in case of improper use; failure to observe the operating, cleaning, maintenance, and connection instructions; in case of independent repairs or repairs by unauthorized personnel; if spare parts from other manufacturers are employed, or; in case of unusual influences or influences not in compliance with the utilization instructions. Warranty service shall not extend the original warranty.

9 Technical data

Mains voltage:	230 V, 50 / 60 Hz 100 - 120 V, 50 / 60 Hz
Power consumption, lighting:	16 W
Power cord length:	2 m [78.74 inches]
Ø Size of pipe union for external extraction unit:	
- interior:	35 mm [1.38 inches]
- exterior:	40 mm [1.57 inches]
Dimensions (W x H x D):	380 x 285 x 400 mm [14.96 x 11.22 x 15.75 inches]
Extraction chamber (volume):	17 l [4.49 US gal]
Weight:	5 kg

10 Standard Delivery

- 1 Extraction box
- 1 Operating instructions, with attachments
- 1 Power cord
- 1 Extraction duct, complete
- 1 Armrests, complete

11 Delivery Versions

- No. 2626-0105 Dustex master plus 230 V, 50 / 60 Hz
- No. 2626-1105 Dustex master plus 100 - 120 V, 50 / 60 Hz

12 Accessories

- No. 2626-0300 Magnifier with holder
- No. 2626-0600 Gold filter

13 Troubleshooting

Problem	Possible cause	Corrective action
Insufficient extraction power.	<ul style="list-style-type: none"> • Extraction duct blocked. • Extraction grate blocked. 	<ul style="list-style-type: none"> • Remove and clean the extraction duct. • Remove and clean the extraction grate.
Lamp does not switch on.	<ul style="list-style-type: none"> • Power cord not plugged in. • Illumination defect. • Faulty electronics. <p>The device with fluorescent tubes</p> <ul style="list-style-type: none"> • The fluorescent tube is not situated correctly in the socket. • Fluorescent tubes defect. 	<ul style="list-style-type: none"> • Plug the power cord in. • Change light using the service or see spare part list. • Have Customer Service replace the electronics or refer to the Spare Parts List. • Check that the fluorescent tube is fitted correctly (see chapter 5.4.2). • Changing the fluorescent tubes (see chapter 5.4.2).

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