

BLANCO

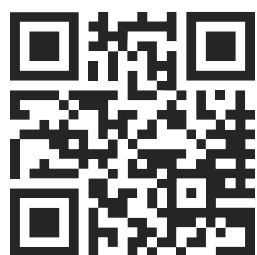
BLANCO FWD Medium BLANCO FWD Max



- eng** Food Waste Disposer
- deu** Abfallzerkleinerer
- zhx** 厨余垃圾处理器
- ita** Dissipatore di rifiuti alimentari

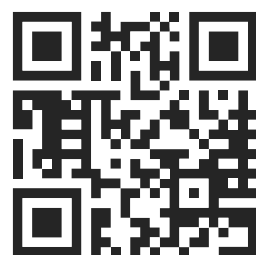
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deu



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Video
视频



www.blanco.com/install

eng

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GENERAL INFORMATION

1. General instructions

a. Customer service

Congratulations on acquiring your new disposer by BLANCO. We hope you enjoy using our product. Our operating instructions are designed to make it easy for you to use the BLANCO FWD Medium or Max.

If you should have any questions, don't hesitate to contact our BLANCO Customer Service → You will find contact addresses on the back of this manual. We'll be happy to help in the event of any damage or wear.

b. About this manual

Please read the entire installation and operating instructions thoroughly before installation and initial operation and put them away ready for use later after installation. Pass on the instructions to the next users. This is requirement for safe installation and trouble-free use. Before continuing, read and observe all safety instructions and warnings. The illustrations and descriptions in this user manual are provided to aid understanding. Your product may differ from the images in some respects.

c. Safety precautions and markers

Observe the following safety instructions and warnings as they will help you to avoid personal injury and/or damage to property.



SIGNAL WORD – type of hazard

This is where possible consequences are indicated if you do not comply with the safety instruction.

This is where measures to prevent hazards are indicated.

d. Signal words



DANGER

The signal word DANGER draws your attention to sources of danger which can cause severe physical injury or even death.



WARNING

The signal word WARNING draws your attention to sources of danger which can cause injury or considerable damage to property.



CAUTION

The signal word CAUTION draws your attention to sources of danger which can cause damage to property.

e. Other markers in this manual



Warning of electrical voltage



Warning of hand injury



Warning of risk of suffocation



Disposal of disposer

f. Units of measurement

All measurements are in millimetres unless indicated otherwise.

2. Safety

a. Proper use

The food waste disposer (hereinafter referred to as “the disposer”) is designed to shred organic kitchen waste such as preparation waste or food leftovers and dispose of this waste in the sewage system via the drain. The disposer is intended for use in private households and home environments.

The disposer must not be used for other purposes, such as washing hair, clothes or pets. Any other or additional use is considered improper. Correct usage also includes observing these instructions. Negligent use, improper handling, opening the disposer up and non-compliance with the specifications in the operating instructions will lead to the warranty becoming void.

b. General safety precautions



WARNING – injury

Children aged 8 or over and people with reduced physical, sensory or mental capabilities or lacking in experience and knowledge may only use the disposer under supervision or if they undergo a suitable briefing on safe usage and they are aware of the associated risks and hazards. Such people must not clean the disposer without supervision. Children must not play with the device.

Although the disposer does not contain sharp knife blades, injury cannot be ruled out due to the high speed of the grinding tools if people reach down very deeply into the disposer when it is working. Never leave the device running unattended (e.g. do not leave the room).

Do not reach into the disposer with your fingers while it is in operation and do not insert any long objects into the grinding chamber.

Always disconnect the mains plug before using your hands to clean the inside of the grinding chamber or remove foreign objects from the grinding chamber.



CAUTION – damage

The user must protect the disposer against frost.



WARNING – damage

Waste water leaking unnoticed can cause damage.

Check the hose, pipe and sink connections for leaks on a regular basis.



DANGER – electric shock

Attention: live parts. Electrical components in the disposer and the switch box must not be opened under any circumstances.

INSTALLATION

3. Safety

a. General safety precautions

Only a trade professional/qualified technician may install the disposer, put it into operation or repair it.

The disposer must be installed as described in these instructions. Only approved original parts and original accessory parts may be used, which you can obtain from BLANCO (see Section 1 a for contact details) or from your contractual partner/specialist retailer.

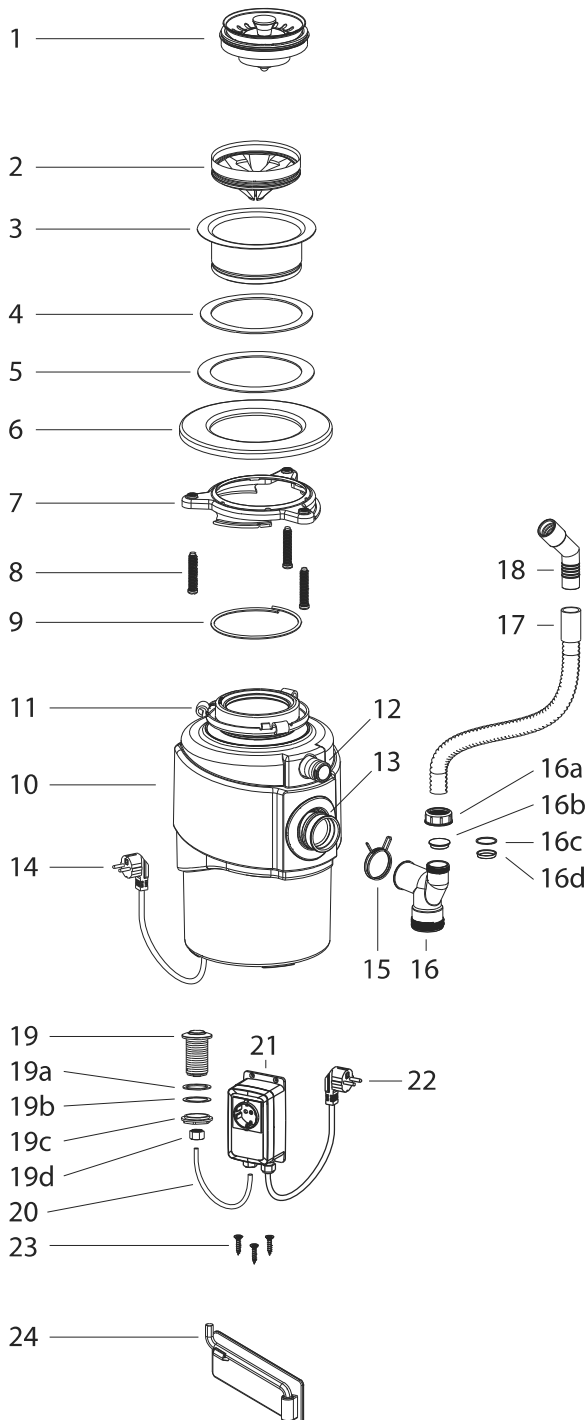
b. Regulations, industrial standards and legislation

Check that the use of the disposer is approved by the authorities in your region before installing the disposer and putting it into operation. The local water utility's national and regional regulations must be taken into account. Also observe building structure regulations.

c. Certification marks



4. Scope of delivery/components



PARTS ON THE SINK

1. Strainer
2. Splash guard
3. Sink flange
4. Rubber seal, top
5. Seal, bottom
6. Retaining ring
7. Holding ring
8. Holding ring screws (3)
9. Circlip

FOOD WASTE DISPOSER

10. Disposer
(BLANCO FWD Medium or Max)
11. Lower holding ring
12. Dishwasher connection
13. Outlet opening
14. Disposer plug

DRAIN

15. Hose clamp
16. Outlet elbow pipe
- 16a. Overflow nut
- 16b. Dummy plug
- 16c. Seal ring
- 16d. Overflow seal
17. Overflow hose
18. Overflow adapter

SWITCH ASSEMBLY

19. Pneumatic switch/air switch
- 19a. Air switch rubber seal
- 19b. Air switch seal ring
- 19c. Air switch fastening nut
- 19d. Air switch hose nut
20. Air hose
21. Switch box
22. Mains plug
23. Screws (3)

ACCESSORIES/TOOL

24. Hex key

5. Preparation work

a. Unpacking and checking components

Remove basic disposer and all accessory parts from the packaging and remove/dispose of packaging material.



DANGER – risk of suffocation

Keep film packaging away from children.

Check that you have all parts and inspect for visible damage before installing the new disposer.



WARNING – risk of injury | WARNING – warning of electrical voltage

You must not use a damaged disposer under any circumstances.

b. Installation location

The disposer is designed to operate beneath a sink within a closed room, usually a kitchen. The ambient temperature must be between 10 °C and 43 °C. The disposer must thus be installed in a frostproof room only. Avoid direct sunlight.

c. Electrical connection



WARNING – warning of electrical voltage

Carry out all electrical connection and installation work in accordance with regulations.

There must be an electrical socket outlet close to the disposer. The connection cable with plug is designed for a safety socket outlet. The socket must be freely accessible after the disposer is installed. It is not permitted to use a (permanently installed) electrical line connected directly to the power supply.

Do not use multiple sockets or extension leads. The disposer may only be connected to an earthing-type socket outlet and a residual current circuit breaker (RCD) that has a fuse of at least 12 amperes and provides a permanent power supply of 230 V ~ / 50 Hz.

d. Kitchen sink

The following must be observed when fitting the disposer to a kitchen sink:

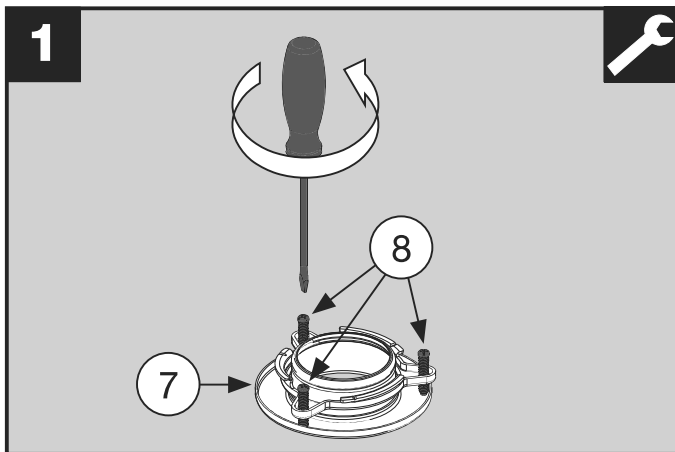
1. Diameter of the sink drain: 3 ½"
2. Sink material thickness: max. 18 mm
3. The waste water connection must not be higher up than the disposer's drain opening.

e. Required tools and materials

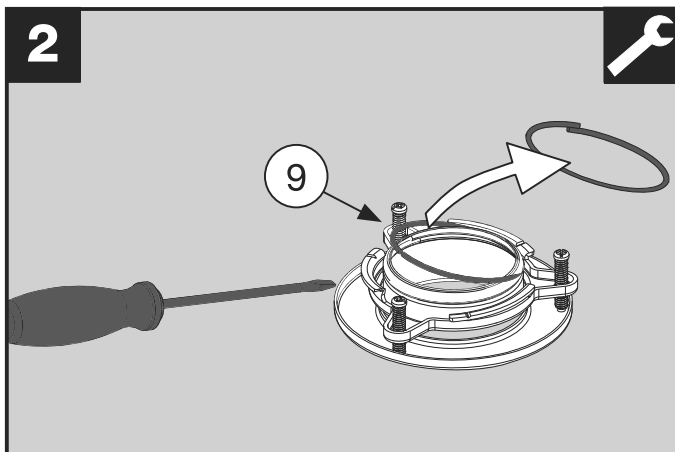
You require the following to install the disposer:

- Hex key (included in the scope of delivery)
- Slotted-head screwdriver
- Phillips screwdriver PH2
- Protective eyewear
- Cut protection gloves
- Blade knife
- Optional: hammer (only when the dishwasher is connected to the disposer)

6. Installation



Loosen the three screws (8) on the holding ring (7) but do not undo them completely.



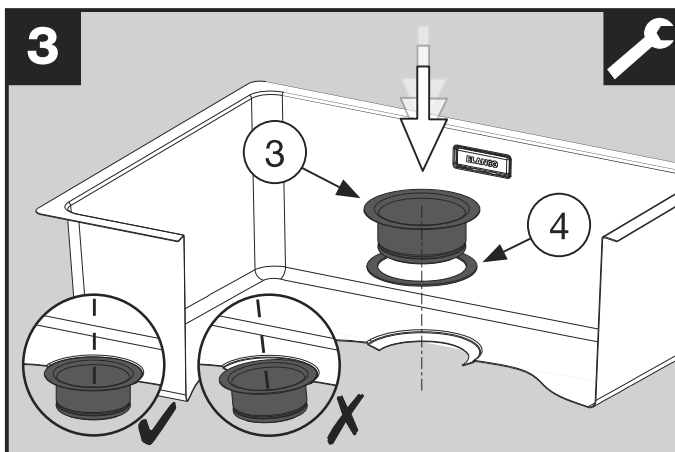
Use a long slotted-head screwdriver to lever out the circlip (9) and put it to one side.



WARNING - risk of injury

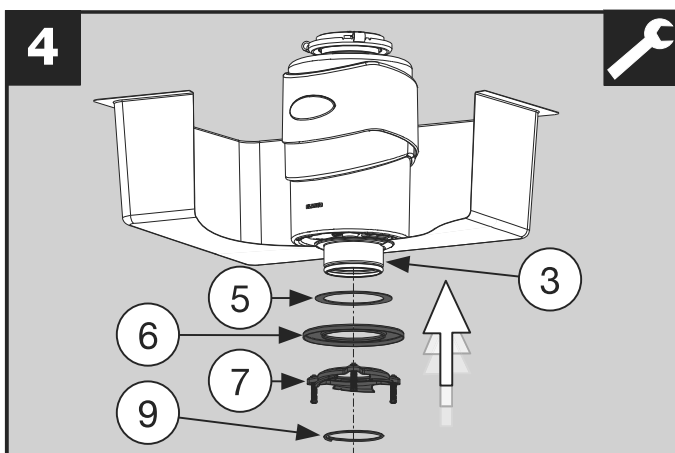


Wear gloves and protective eyewear when working on the circlip.



Attach the sink flange (3) together with the rubber seal on top (4) into the sink drain opening. Ensure you position it in the centre.

Weigh the sink flange down with the disposer from above to make it easier to assemble everything. If necessary, use an underlay in the sink to protect the sink from scratching.



Push the lower seal (5), the retaining ring (6) and the holding ring (7) onto the sink flange from below and press the circlip (9) into the groove in the sink flange (3).



WARNING - risk of injury

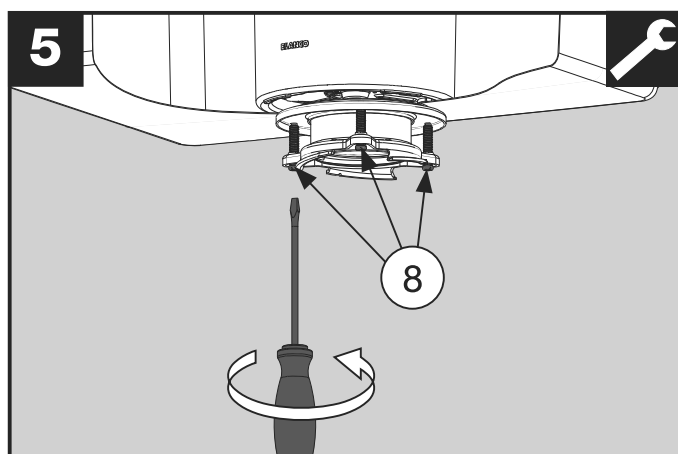


Wear gloves and protective eyewear when working on the circlip.


CAUTION – damage

The fitted disposer flange must form a good seal with the sink; otherwise, there is a risk that water from the sink will run down the disposer in the event of a leak, getting into the motor and damaging it.

If a good seal is not possible with the enclosed accessories due to the nature of the sink, use sealing material suitable for your sink (e.g. original BLANCO article number 214778 - sealing compound for ceramic sinks or original BLANCO article number 120055 - flexible sealing tape).

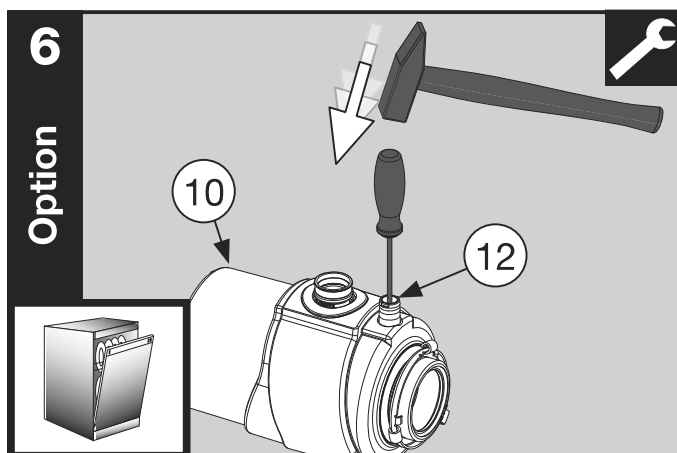


Tighten the three screws in the holding ring (8) evenly.

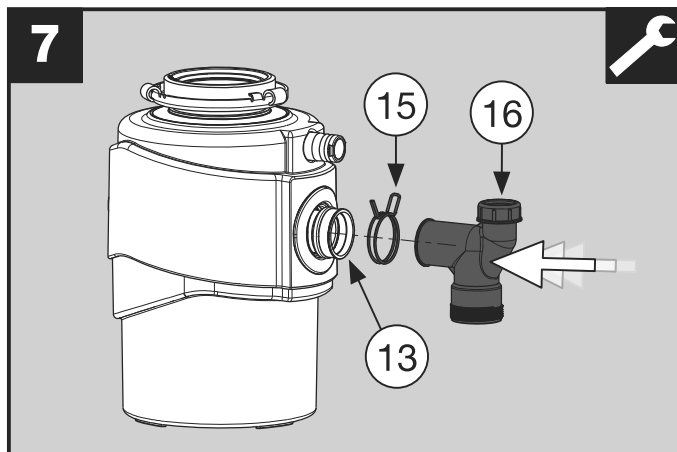

CAUTION – damage

Water left standing for a long time can get into the motor and cause damage. The warranty does not cover any motor damage due to the causes described here.

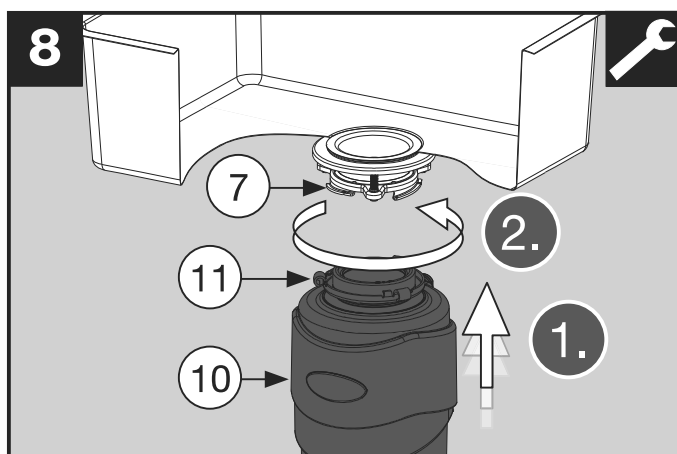
Align the disposer carefully during assembly to ensure that no water is left in the grinding chamber. Please ensure that no water remains under the grinding disc either. The disposer's waste water pipe must be mounted vertically downwards and the wall drain must be lower than the disposer drain.


Optional (only use if the dishwasher outlet is to be connected to the disposer):

Place the disposer (10) on a firm surface with the dishwasher connection (12) facing upwards and insert a slotted-head screwdriver into the sealed dishwasher connection (12). Now hit the screwdriver with a hammer to break out the seal. Then remove the plastic parts from the disposer (10) interior.

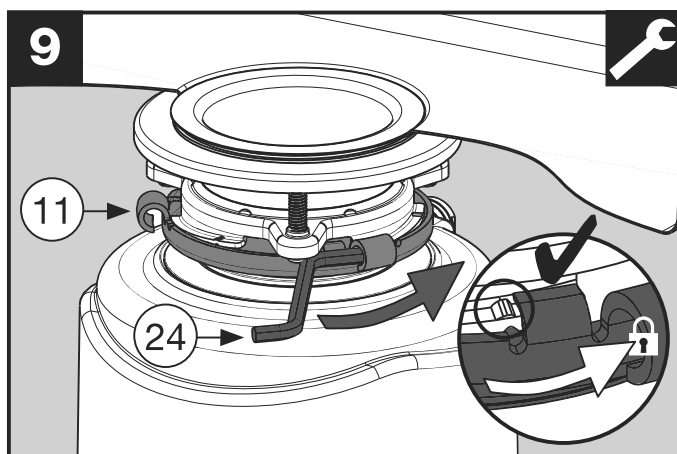


Connect the outlet elbow pipe (16) to the outlet opening (13) anti-vibration outlet and secure it with the hose clamp (15).

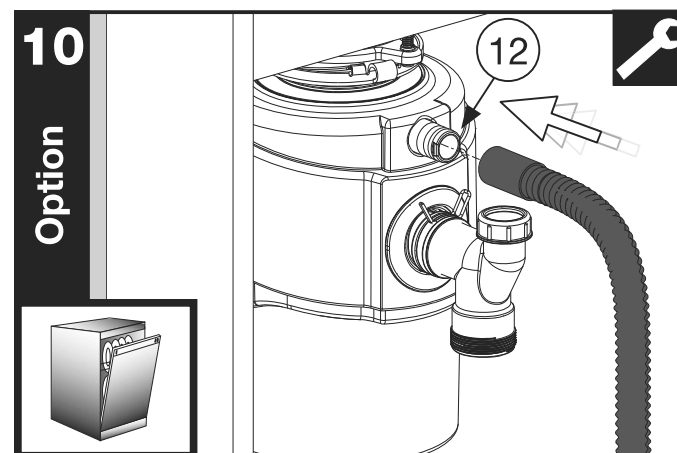


Push the disposer (10) against the sink flange (3) from below and turn the tabs of the lower holding ring (11) loosely over the retaining ring (7).

Note: The disposer is heavy. Have somebody else help you to install it on the sink if necessary.

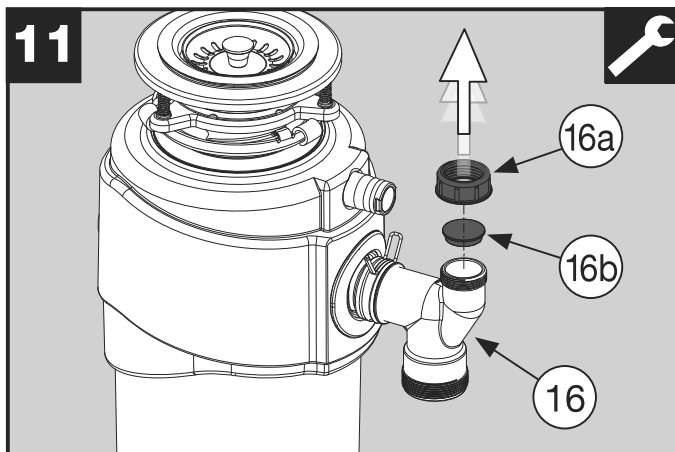


Use the enclosed hex key (24) as a lever and tighten the lower holding ring (11) as shown. You have reached the end position when the tabs on the lower holding ring (11) slide over the bumps on the holding ring (7). In doing so, note the alignment of the outlet opening (13) for the continued installation process. Insert the hex key (24) back into the holder and attach it near the disposer with the adhesive tape attached on the rear. The key will be needed in the event of any problems.

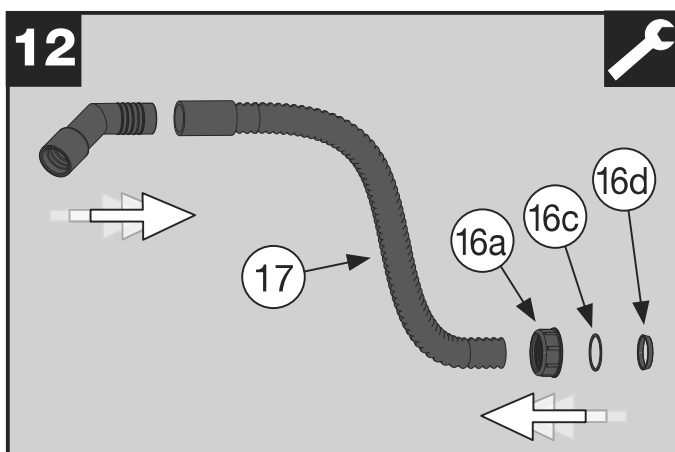


Optional (only use if the dishwasher outlet is to be connected to the disposer):

Insert the dishwasher outlet hose firmly into the dishwasher connection (12). We recommend securing it with a spring clip.



Remove the dummy plug (16b) from the outlet elbow pipe (16) by loosening the overflow nut (16a).



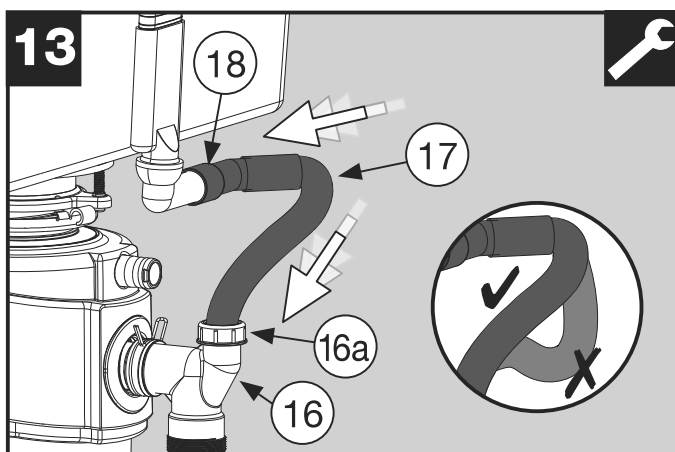
Determine the length of overflow hose (17) you require and trim if necessary.



WARNING - risk of injury

Wear cut protection gloves when trimming pipes with the blade knife.

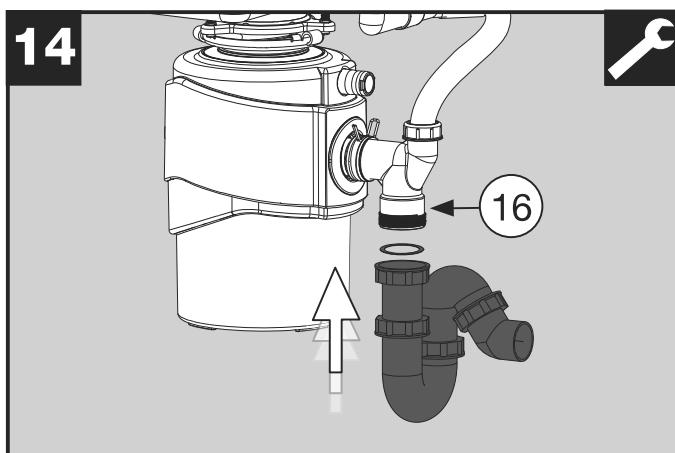
Push the overflow nut (16a), the seal ring (16c) and the overflow seal (16d) over the end.



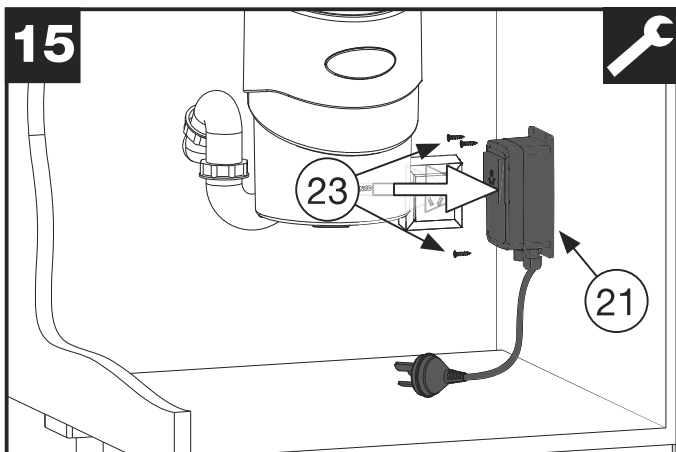
Push the overflow adapter (18) onto your sink overflow (until it locks into position).

Insert the free end of the overflow hose (17) into the outlet elbow pipe (16) overflow opening and screw the overflow nut (16a) tightly onto the thread.

The overflow hose must not sag.

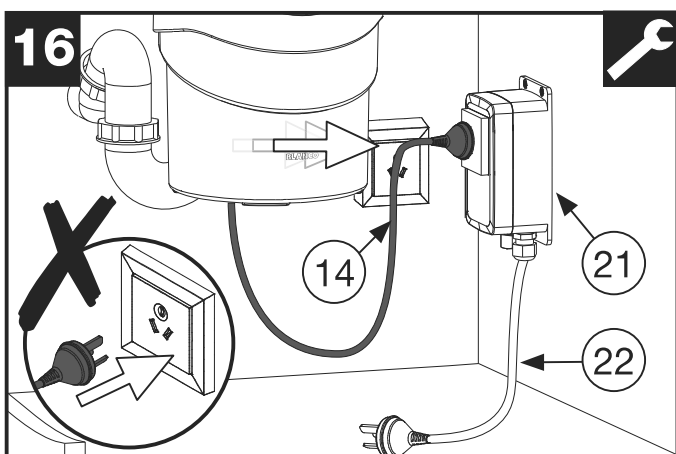


Connect your odour trap/siphon (not included in scope of delivery) to the lower outlet of the outlet elbow pipe (16) and to your building waste water connection.



Fit the switch box (21) with three screws (23) on the side wall of the base cabinet within reach of a socket outlet as shown.

Make sure that the cables and lines enter the switch box from below.



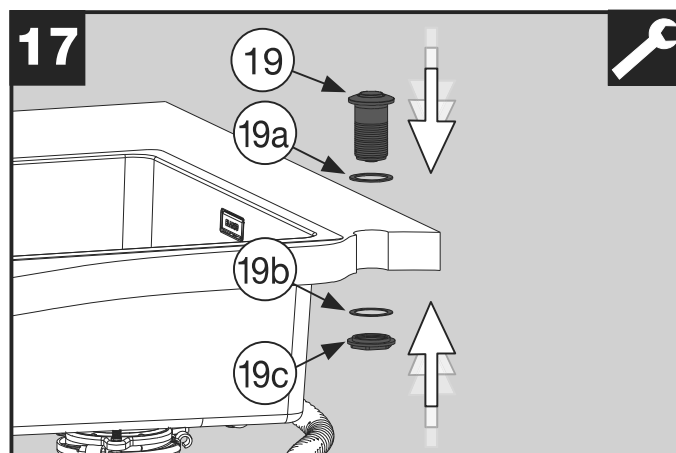
Connect the disposer plug (14) to the switch box (21) but do not connect the mains plug (22) itself to the socket outlet yet.



CAUTION – damage | CAUTION – warning of electrical voltage

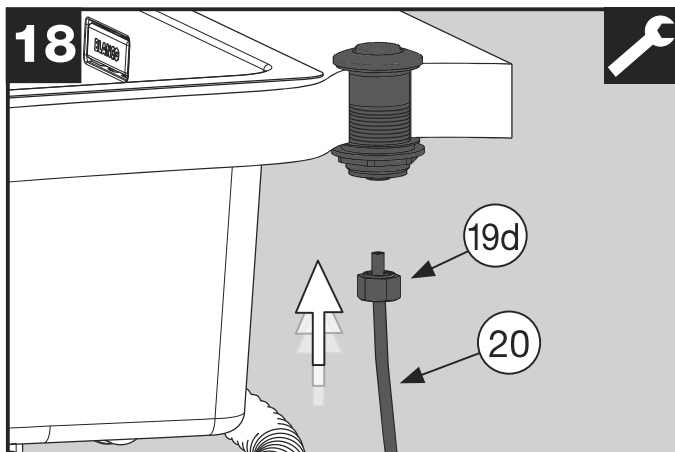


Cables and pipes must be laid in such a way that they cannot be damaged. If a cable, plug, switch box, pneumatic switch/air switch or its line is damaged, contact BLANCO Customer Service (see Section 1. a for contact details) or your contractual partner/specialist retailer.



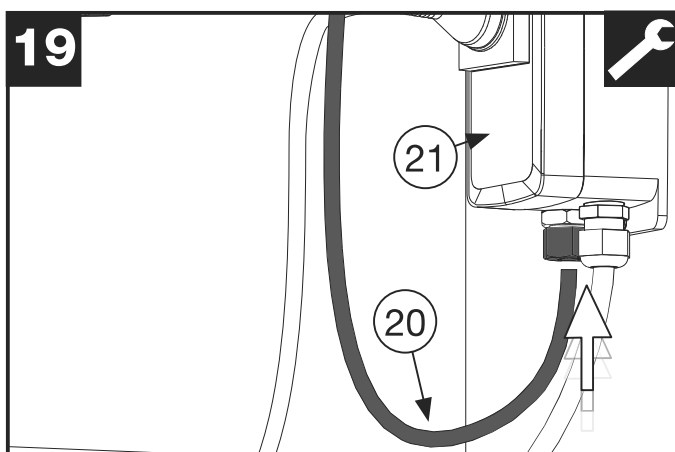
Remove the fastening nut (19c) and the seal ring (19b) from the pneumatic switch/air switch.

Screw the pneumatic switch/air switch (19) into the existing hole for a tap in your sink or worktop or drill a new hole measuring 35 mm in diameter. In doing so, ensure that the rubber seal (19a) is in the correct position.

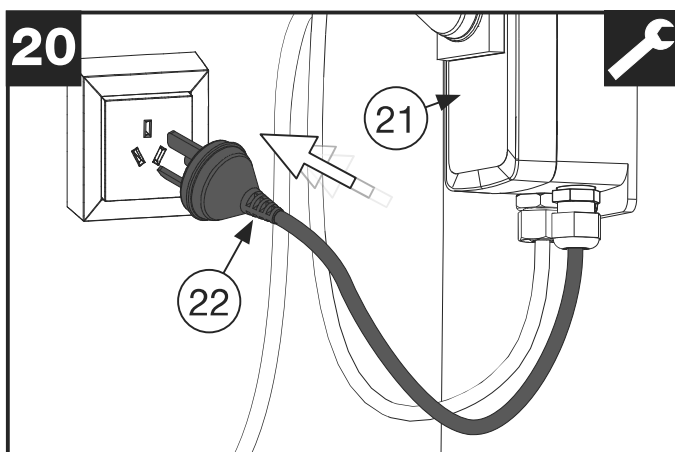


Undo the hose nut (19d) on the pneumatic switch/air switch. Push the nut onto the air hose (20).

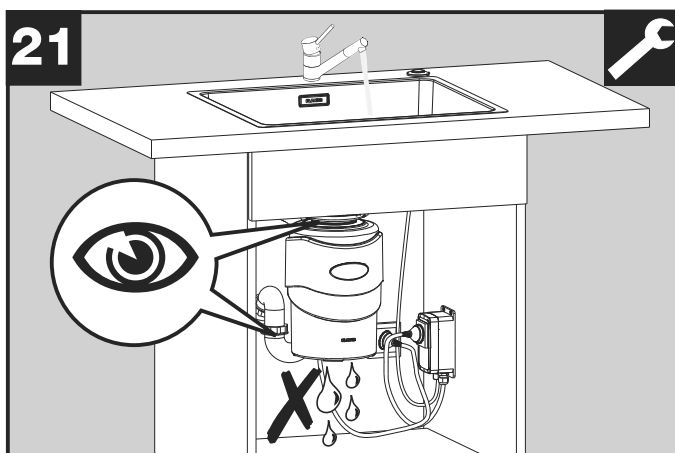
Connect the air hose (20) to the pneumatic switch/air switch (19) from below and secure it against slipping out with the hose nut (19d)



Connect the other end of the air hose (20) to the switch box (21) and secure the hose with the hose nut as described in Step 18.



Now insert the switch box (21) mains plug (22) into the socket outlet.



Put the disposer into operation as described in the following chapter, Initial Start-Up. To finish off, check all hose and pipe connections and the sink drain for any leaks.

7. Initial start-up



DANGER – electric shock, damage, risk of injury

Only a trade professional may perform the initial start-up and they must comply with safety regulations in doing so.

- Insert the splash guard (2).
- Check that the disposer works correctly. In doing so, observe Section 8 in these instructions: Description and operation of disposer.
- No water must be left to stagnate in the grinding chamber. Ensure water drains out correctly.
- Handing over the system:
 - Explain how the disposer works to the user. Familiarise the user with its use.
 - Draw the user's attention to possible hazards, especially risk of injury while operating or cleaning the disposer.
 - Hand over these instructions.
- Check the hose, pipe and sink connections for leaks.

OPERATION

8. Description and operation of disposer

The food waste disposer (hereinafter referred to as “the disposer”) shreds organic kitchen waste such as preparation waste or food leftovers and disposes of this waste in the sewage system via the drain.

The disposer must not be used for other purposes, such as washing hair, clothes or pets. Any other or additional use is considered improper. Correct usage also includes observing these instructions. Negligent use, improper handling, opening the disposer up and non-compliance with the specifications in the operating instructions will lead to the warranty becoming void.

1. Remove the strainer (1) from the sink drain.
2. Run cold water (steady flow).
3. Switch the disposer on by pressing the pneumatic switch/air switch.
4. Feed small portioned amounts of your food waste down the drain while the disposer is operating and water is running.

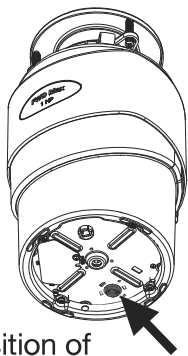


WARNING – injury

You may need to press larger food leftovers into the grinding chamber through the rubber collar.

Do not reach into the disposer's grinding chamber with your fingers. Do not insert long objects such as cooking spoons into the grinding chamber.

5. Wait until the disposer has shredded all food waste. The grinding process is complete when the grinding sound stops and you now only hear the sound of the motor and the water flowing.
6. Leave the disposer and water running for a few seconds more to rinse everything out.
7. Now press the pneumatic switch/air switch again to switch off the disposer and turn the water off.
8. Insert the strainer or plug back into the outlet. This way you will stop objects accidentally falling into the disposer.



Position of the reset switch.

The drain pipe will not block if the disposer is used correctly. The kitchen waste is ground very finely before it reaches the sewage system. Hot and cold water are always guaranteed to drain away, even when the disposer is switched off.

A motor circuit breaker protects the disposer against damage if it gets too hot - due to excessive use, for example. Let the disposer cool down for a time. Do not press the reset switch at the bottom of the motor disposer it has cooled down. Keep the space beneath the disposer clear to allow good access to the reset switch.



WARNING – injury

Prevent leftovers from being thrown out of the shredder during shredding and causing injury.

Never use the disposer without the splash guard (Pos. 2). It must always be inserted into the sink opening before initial operation. Do not insert long objects such as cooking spoons into the grinding chamber.



DANGER – injury, damage

Avoid putting the following items into the disposer to be ground:

- Long-fibred foodstuffs, such as artichokes
- Extremely hard, large objects, such as large bones and mussel or oyster shells

You must not feed the following items into the disposer to be ground under any circumstances:

- Garden waste
- Any non-organic waste such as glass, china, plastic, metal, oil, hot fat, corrosive drain pipe cleaners or chemicals, such as paints and varnishes



DANGER – injury, damage

Do not store or use any flammable objects such as cloths, paper or spray cans, petrol or other flammable vapours and liquids near the disposer.

9. Troubleshooting

We have listed a few tips on finding and eliminating faults here in case the disposer will not switch on or off, or if other problems arise. If you are unsuccessful in eliminating a fault after trying these tips, do not do any repairs yourself; contact BLANCO Customer Service (see Section 1. a for contact details) or your contractual partner/specialist retailer instead.

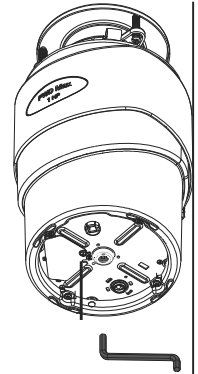
Problem	Disposer will not switch on.
Cause	Blockage Long-fibred foodstuffs have become stuck in the grinding chamber or extremely hard/large objects have blocked the grinder. This caused the motor to overheat and shut off automatically.
Solution	1. Switch the disposer off. 2. Switch the disposer off at the electrical socket outlet.
	 DANGER – injury, damage The disposer must be disconnected from the power supply if you wish to clean the disposer interior or remove a blockage from the grinding chamber.

3. Insert the supplied hex key into the hole in the middle of the disposer's lower surface. Turn the key backwards and forwards until you manage to rotate it completely. Then remove the hex key.



DANGER – injury, damage

The hex key must no longer be inserted into the disposer's lower surface if you wish to put the disposer back into operation.



4. Carefully remove the foreign object from the grinding chamber. You might like to use tools such as a pair of pliers or a screwdriver with a long handle.

5. Insert the mains plug back into the socket outlet.

6. Let the motor cool down for about 10 minutes and then press the overload protection once (red reset button on the disposer's lower surface).
 Note: The BLANCO FWD Max model has an auto-reverse function. This means that the grinding discs rotate in the opposite direction when a foreign object gets stuck so that the object can detach itself. However, if the disposer should remain blocked, follow the steps as described above.

Cause	Disposer overheated A motor circuit breaker protects the disposer against damage if it gets too hot - due to excessive use, for example.
Solution	Let the motor cool down for about 10 minutes and then press the overload protection once (red reset button on the disposer's lower surface).

Cause	Disposer does not receive a signal from the switch box.
Solution	Check all cabling and the hose between the pneumatic switch (air switch) and the switch box for damage. Check that all cables are connected correctly. Does the disposer work if you briefly connect the line to the motor directly to the building connection socket outlet? If not: press the overload protection once (red reset button on the disposer's lower surface) and try again. Check whether the power supply is working at the house connection socket outlet by briefly plugging in another device there and testing it. The pneumatic switch/air switch may be defective. Contact BLANCO Customer Service (see Section 1. a for contact details) or your contractual partner/specialist retailer.

Problem	Bad odours from the outlet
Cause	Dirt
Solution	See chapter on Cleaning & care.

Problem	Unusual noises
Cause	Foreign objects in the grinding chamber Particular types of kitchen waste can make unusual or loud noises when being shredded. The harder the waste, the louder the disposer is. A foreign object stuck in the grinding chamber may also be the cause.
Solution	Remove the object as described in the Cleaning & care chapter.
Cause	Wear Intensive use of the disposer may cause wear in the grinding parts, motor shaft bearings or other product parts.
Solution	Contact BLANCO Customer Service (see Section 1. a for contact details) or your contractual partner/specialist retailer.

CLEANING & CARE

10. Cleaning & care

The disposer does not require any servicing and is virtually self-cleaning. However, food waste may accumulate in the grinding chamber and rubber protective collar over time. This may cause odours, which means the rubber collar and/or grinding chamber need(s) to be cleaned. There are several ways of cleaning the disposer and counteract odours:

a. Quick, easy cleaning:

Run hot water frequently through the disposer between the individual grinding processes. If necessary, you can add a little dish-washing detergent to the hot water. You should not operate the shredder for a long period time when doing so; otherwise, it might overheat and the disposer will switch off automatically.

b. Giving the grinding chamber a quick clean:

Throw ice cubes into the grinding chamber and switch the disposer on. The ice cubes will be shredded and clean the grinding chamber quickly and effectively without much effort and without causing any damage.

c. Giving the grinding chamber an intensive clean:

Fill the disposer grinding chamber with pieces of lemon, lime or orange along with the ice cubes and switch on the disposer briefly so that the ice cubes and citrus fruit are shredded together a little. The ice cubes clean the grinding chamber and the citric acid removes the bad odour and reduces lime scale. Leave the partially shredded matter in the disposer for around 30 min. before you use the disposer again. This allows the citric acid to take effect.

d. Cleaning the splash guard (2) and grinding chamber by hand:

Disconnect from the power supply by removing the plug from the socket outlet. Carefully pull the rubber collar from the sink opening and clean the rubber collar and the grinding chamber with an item such as a brush. Then put the rubber collar back into the sink opening and close it. Fill the sink half full with warm water. You can either add a few drops of washing-up liquid or dissolve a teaspoon of baking soda (sodium bicarbonate) in the water. Reconnect the power supply and switch on the disposer. Now remove the plug from the sink. The warm water will clean and purge the grinding chamber.


DANGER – injury, damage

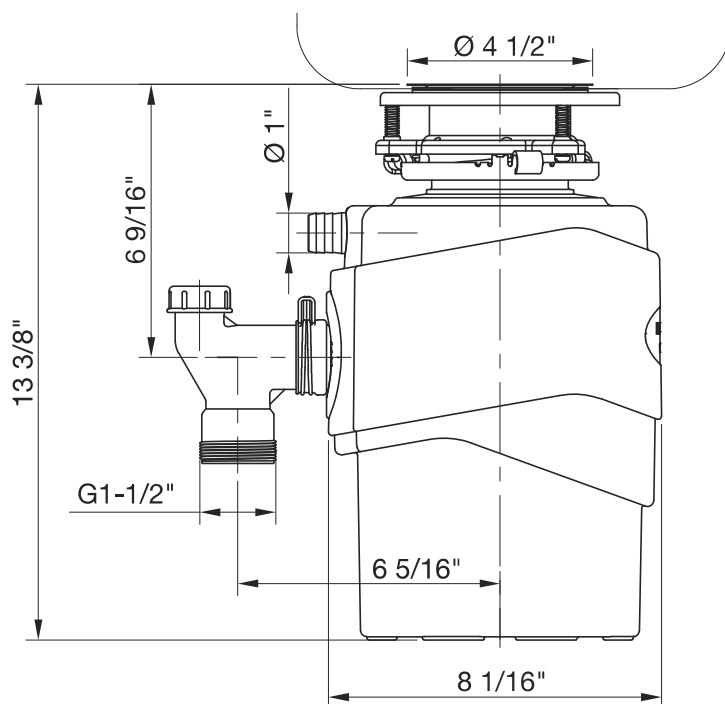
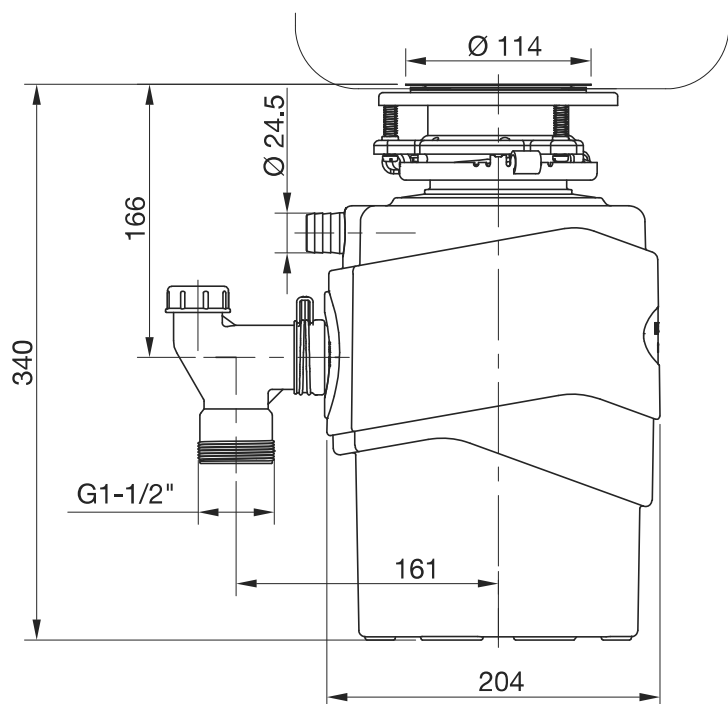
The disposer must be disconnected from the power supply if you wish to clean the disposer interior.

e. Cleaning the plug:

The strainer (1) is dishwasher-safe.

TECHNICAL DATA
11. Dimensions and connections

BLANCO FWD Medium, BLANCO FWD Max:



12. Data table

	BLANCO FWD Medium	BLANCO FWD Max
Voltage	230 V ~ / 50 Hz	230 V ~ / 50 Hz
Motor model	AC	AC
Output	0.75 HP / 560 W / 10 A	1.0 HP / 750 W / 12 A
Revolutions	1 470 r.p.m.	1 470 r.p.m.
Grinding level	3	3
Volume of grinding chamber	1 200 ml	1 200 ml
Weight	10.2 kg / 22.5 lb	10.6 kg / 23.4 lb
Automatic switch-off after	~ 25 min.	~ 15 min.

WARRANTY

The statutory warranty for the country where the disposer was purchased applies to this disposer. You must always submit the proof of purchase to make a warranty claim. Subject to change.

ENVIRONMENT & RECYCLING

Disposal of transport and sales packaging material

Your disposer has been carefully packaged to ensure it is delivered to you undamaged. Please help to protect the environment and dispose of the disposer's packaging material correctly. We participate in an effective return and disposal scheme in cooperation with wholesalers, trade professionals and specialist dealers which recycles packaging in an environmentally friendly way. Give the transport packing to your trade professional or specialist dealer.

Disposal of old appliances



Disposal of disposer

You must not dispose of appliances marked with this symbol in the general household waste. Dispose of this appliance correctly in line with applicable local regulations and legislation.

As a manufacturer, we will ensure environmentally sound treatment and recycling of old appliances as part of our product stewardship. You can obtain more information about waste collection and disposal from your local council or your trade professional or specialist dealer.

We work to ensure that new disposers have a high degree of recyclability right from their development stage. The return system ensures high material recycling rates to reduce the impact on landfills and the environment. We thus make a joint valuable contribution to protecting the environment.