



FW 10



370224





ENGLISH

Table of contents

28
28
29
34
34
35
35
35
35
36
36
36
36
37
37
38
39
39
40
48
50
52

Bartscher GmbH Franz-Kleine-Str. 28 33154 Salzkotten Germany phone: +49 5258 971-0 fax: +49 5258 971-120

Service-Hotline: +49 5258 971-197

www.bartscher.com





Read this instruction manual before using and keep them available at all times!

This instruction manual contains information about the installation, operation and maintenance of the device and should be consulted as an important source of information and reference guide.

Awareness of the safety instructions and instructions for use in this manual will ensure the safe and correct use of the device.

In addition to the information given here, you should comply with any local Health and safety Controls and generally applicable safety regulations.

The instruction manual forms part of the product and should be kept near the device and easily accessible for anyone carrying out the installation, servicing, maintenance or cleaning.

Please keep these instructions and give them to future owners of the device.

1. Safety

This device is designed in accordance with the presently applicable technological standards. However, the device can pose a danger if handled improperly and inappropriately.

All persons using the device must follow the recommendations and instructions in this instruction manual.

1.1 Key to symbols

In this manual, symbols are used to highlight important safety instructions and any advice relating to the device. The instructions should be followed very carefully to avoid any risk of accident, personal injury or material damage.



DANGER!

This symbol highlights hazards which could lead to injury.



WARNING

This symbol highlights dangerous situations which could lead to injury or death.





This symbol highlights dangerous situations which could lead to light injuries, or damage, malfunction, and/or destruction of the device.



This symbol highlights recommendations and information aimed for effective and trouble-free device operation.

1.2 Safety instructions

- The device is not intended for use by individuals (including children) with physical or mental disabilities, insufficient experience, and/or insufficient knowledge unless such persons are under the care of a person responsible for their safety or have received instructions regarding appropriate use of the device.
- Children should be observed to ensure that they are not playing with or starting the device.
- Prevent access of children to the package materials like plastic bags and foamed polystyrene elements. Suffocation hazard!
- Never leave the device unattended when in use.
- Only use the device indoors.
- The device must be operated in correct and safe technical condition only. In case of operational problems disconnect the device from the power supply (pull the plug from the socket) and contact the service company.

- Only a qualified technician and using original spare parts and accessories should carry out repairs and maintenance of the device. Do not attempt to repair the device yourself.
- Do not use any accessory or spare parts that have not been recommended by the manufacturer. These can be dangerous for the user or lead to damages of the device or personal injury, and further, the warranty expires.
- To prevent hazards and to ensure optimum efficiency, no modifications or alterations to the device that are not explicitly approved by the manufacturer may be undertaken.



DANGER! Electric shock hazard!

To avoid the hazard results please follow the instructions below.

- Never allow the power cable to come into contact with heat sources or sharp edges. The power cable should not hang over the side of the working surface. Ensure that no one can step on or trip over the cable.
- The power cable must not be folded, bent or tangled, and must always remain fully unrolled. Never place the device or other objects on the power cable.
- Do not cover the cable. Keep away the cable from operating range and do not immerse it into water or other liquids.



- Check the power cord regularly for damage. Do not use the appliance if the power cord is damaged. If this cable is damaged, it must be replaced by customer service or a qualified electrician in order to avoid dangers.
- The supply cable must be disconnected from the socket only by pulling the plug.
- Never carry or lift the device by the supply cable.
- In any case do not open the device housing. In case of electrical or mechanical modifications the electric shock hazard will occur.
- Do not use any acid agents and make sure no water ingresses the device.
- Never operate the device with moist hands or standing on wet floor.
- · Remove the plug from its socket:
 - when the device is not used,
 - in case of anomalies during operation,
 - before cleaning.



WARNING! Risk of injury!

To avoid the hazard results please follow the instructions below.

- Do not slide or tilt the unit when in use.
- To avoid injury to people and damage to the unit due to fire, electric shock or heat, never place towels, paper napkins or other objects on the unit.

- Never leave the unit unattended when in use. First, press the Start-/Stop ►/■ button to turn off the motor. Next, turn off the unit by using the power ON/OFF switch at the rear of the unit. Lastly, remove the unit's plug from its socket. Before cleaning the unit, removing it to a different place or disassembly, wait until the motor has completely stopped. To move the unit, grab it at both sides under the motor housing.
- Never use force to install accessories or assemble parts of the unit; all elements should easily be assembled. If this is not possible, check that they have not been damaged and that they are properly assembled. Activate the unit only when it is fully and properly assembled. Familiarize yourself with the recommendations contained in 5.3 "Usage".
- The motor should never remain in continual operation for longer than 3 minutes. Turn the unit off for approx. 15 minutes between each operation to avoid overheating.
- Never use sharp or hard tools (e.g. knives, forks, etc.) for working with the unit. To push food through the grinding funnel of the screw housing, use only the plunger (included).
- Moving parts of the unit may cause injury. If the unit is connected to a power source, never reach into the grinding funnel nor place any objects in the screw housing exit.



- Never allow hair, clothing or kitchen utensils to get close to the unit's grinding funnel.
- When the motor is active, never put your face near the unit's grinding funnel. If scraps of food containing bones or other hard elements (seeds, pits, etc.) remain during processing, fragments of them may be ejected from the unit and cause injury.
- Always keep the unit and work area clean and tidy. Remove all liquids that may be in the area.
- Never wash the unit or accessories in a dishwasher.
- Never allow leftover food to dry on the unit. Clean the unit immediately after use according to the instructions contained in 6 "Cleaning"



1.3 Use as intended

Every use of the device for a different purpose and/or in a way that diverges from the intended use is not allowed and is assumed as the use against the intended purpose.

Any claims against the manufacturer or their authorized representatives as a consequence of experiencing damage resulting from the use against the intended purpose are inadmissible.

The liability for damage occurred during the use of the device against its intended purpose is borne solely and exclusively by the user.

Safety operation of the device is guaranted only when it is used for its intended purpose and according to the instructions included in this manual.

The meat grinder is intended for grinding and mixing appropriate food products (meat, vegetables), stuffing sausages, pressing cookies and "kebbe".

1.4 Use against the intended purpose

Any use other than those mentioned in point "1.3 Use as intended" is assumed as the use against the intended purpose and is not allowed.

The use against the intended purpose may lead to severe injury or damage caused by hazardous voltage, fire or high temperature. It is allowed to use the device to perform only the work described in the instruction manual. Improper use may cause the device damage.

Any manipulation with the device, assembly or maintenance work may be performed exclusively by the authorized service staff.



2. General information

2.1 Liability and Warrantees

All the information and instructions in this manual take into account standard safety regulations, current levels of technical engineering as well as the expertise and experience we have developed over the years.

The instruction manual was translated with all due care and attention. However, we do not accept liability for any translation errors. The German version of this instruction manual is definitive.

If the delivery consists of a special model, the actual scope of delivery may differ from the descriptions and illustrations in this manual. This is also the case for special orders or when the device has been modified in line with new technology.



CAUTION!

Read this manual carefully and thoroughly before any operation of the device, and especially before turning it on!

Manufacturer is not liable for any damages or faults caused by:

- violation of advice concerning operation and cleaning;
- use other than designed;
- alterations made by user;
- use of inadequate spare parts.

We reserve the right to make technical changes for purposes of developing and improving the useful properties.

2.2 Copyright protection

The instruction manual including any texts, drawings, images or other illustrations is copyright. No part of this publication may be reproduced, transmitted or used in any form or by any means without permission in writing from the manufacturer. Any person who commits any unauthorized act in relation to this publication shall be liable to claims for damages. All rights reserved.



The contents, texts, drawings, pictures and any other illustrations are copyright and subject to other protection rights. Any person unlawfully using this publication is liable to criminal prosecution.

2.3 Declaration of conformity



The device complies with the current standards and directives of the EU. We certify this in the EC declaration of conformity. If required we will be glad to send you the according declaration of conformity.



3. Transport, packaging and storage

3.1 Delivery check

Please check the delivery upon completeness and transport damage immediately after receipt. In case of visible damage do not accept or accept the delivery with reservation only.

Note the extent of damage on the carrier's bill of delivery. Trigger off the complaint.

Hidden damages should be reclaimed immediately after notice, as claims for damages can only be asserted within the effective period for complaints.

3.2 Packaging

Please do not throw away the covering carton of your device as it might be useful for storage purposes, when moving or, in case of damages, when the device must be sent back to a repair center. The outer and inner packing material should be removed completely from the device before installation.



If you liked to dispose the packing, consider the regulations applicable in your country. Supply re-usable packing materials to the recycling.

Please inspect the device upon completeness. In case any part is missing please contact our customer service center immediately.

3.3 Storage

Keep the package closed until installation and under consideration of the outside indicated positioning- and storage markings.

Packages should be stored under consideration of the following:

- do not store outdoors.
- keep it dry and dust-free,
- do not expose it to aggressive media,
- do not expose it to direct sunlight,
- avoid mechanical shocks and vibration,
- in case of longer storage (> 3 months) make sure you check the state of the packaging and the parts regularly, if required refresh or renew.



4. Technical data

4.1 Technical specification

Name	Meat grinder FW10
Article no.:	370224
Construction:	Body: plastic, grinding funnel: stainless steel
Power:	0.85 kW / 230 V 50-60 Hz
Dimensions:	W 350 x D 205 x W 340 mm
Plate diameter:	Ø 62 mm
Maximum capacity:	10 kg/h
Weight:	4.95 kg

We reserve the right to make technical changes!

Accessories

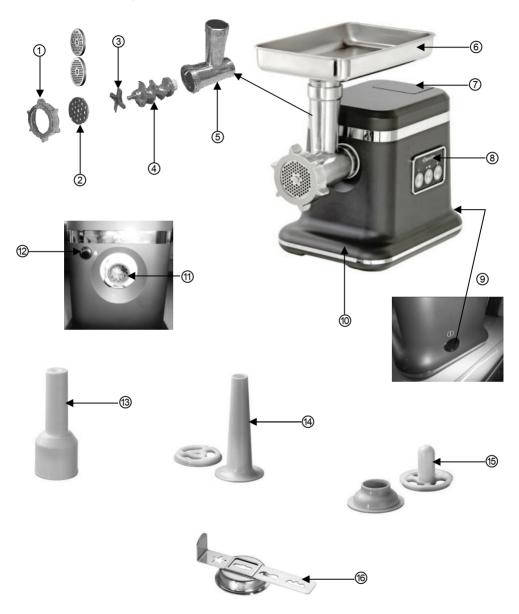
The following accessories are included:

- 1 four-bladed stainless steel knife
- 3 stainless steel perforated plates: 3 mm, 4.8 mm and 8 mm
 - → for mincing and mixing ingredients
- 1 sausage stuffer
 - \rightarrow for stuffing sausage
- 1 attachment for kebbe
 - → for processing kebbe
- 1 cookie press attachment
 - → for pressing cookies
- 1 plunger
 - → for pushing products through the grinding funnel

ATTENTION!

Always use one accessory set appropriate for processing food products. Follow the instructions contained in this document.

4.2 Overview of parts





- (1) Closing ring
- (2) Perforated plates (large, medium, small)
- 3 Knife
- 4 Screw shaft
- (5) Screw housing
- 6 Tray
- ⑦ Integrated tray for perforated plate storage
- (8) Control panel

- 9 Power ON/OFF
- (10) Housing
- (11) Motor
- (12) Release button
- (3) Plunger
- (4) Sausage stuffer
- (5) Kebbe attachment
- (6) Cookie press attachment

5. Installation and operation 5.1 Installation

o. i motanatio

Positioning

 Unpack the device, remove and dispose of all package material according to the environment protection regulations.



CAUTION!

Never remove the nameplate and warning signs from the device.

- The working surface must be level, dry, resistant to moisture, easily accessible and sufficiently spacious.
- **Never** place the unit on a flammable surface.
- Do not place the unit near sources of open flame, electric ovens, heaters or other sources of heat.
- Never place the device at the edge of a table to avoid tilting or falling.
- Never put the device in a moist or wet area.
- Never cover the ventilation ducts. Ensure sufficient air circulation around the unit.
- To allow for comfortable operation, keep other objects from the unit at a minimum distance of 10 cm at the sides and rear and 50 cm over and in front of it.
- When locating the device, make sure the power plug is easily accessible to immediately unplug the device, if necessary.



Connection



DANGER! Electric shock hazard!

The device can cause injuries due to improper installation!

Before installation and connecting the local power grid specification should be compared with that of the device (see rating plate). Connect the device only in case of compliance!

The power supply circuit with the socket must be protected by the fuse of at least 16A.
 Connect the device directly to a single grounded socket. Do not use any power bar or multiple socket.

5.2 Operation

Before first use

- Unpack the unit and remove all packing material.
- Ensure that all parts and equipment are present.

Tip: The plunger is hollow on the inside. Some ccessories (sausage stuffer, kebbe accessory and divider) are located inside it.

Open the cover of the plunger and remove the accessories.

Tip: The tray at the rear is intended for storing perforated plates. Remove plates as desired from here.





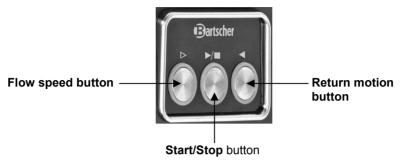


To ensure accessories are always at hand, store them in the plunger or integrated tray when not in use.

- Before starting to use the unit, clean it thoroughly in accordance with the instructions contained in 6 "Cleaning".
- Select and assemble the appropriate accessories for processing food products.



Control panel

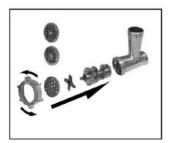


Button functions

Flow speed button	Use this button to adjust the speed of the motor: 1 x press – slower motor speed
Start/Stop button	Use this button to activate/stop processing food products in the meat grinder
Return motion button	Use this button to free products lodged in case they become stuck in the screw housing

Mincing and mixing

- Select the perforated plate appropriate for the food product to be processed:
 - → large perforations for hard ingredients and thick sausage stuffing;
 - → medium perforations for softer ingredients;
 - → **small perforations** for small mincing (e.g. meat pockets//kebbe).



 First, place the screw shaft with plastic seal inside the screw housing. Place the knife on the screw shaft with the flat surface facing out.

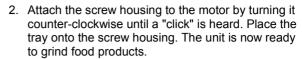


WARNING!

The knife is very sharp, be careful when assembling it.

Next, attach the selected plate to the screw shaft (**never use more than one plate**). Ensure that the notch in the plate securely fits with the projection in the screw housing. Screw the closing ring on the screw housing.





 Slice meat into pieces of approx. 10 cm long and approx. 2 cm thick. Remove bones and as much gristle and other hard elements as possible. Never process frozen meat!



- 4. Place the prepared meat on the tray.
- Connect the unit to a single grounded outlet and turn it on (first by the power ON/OFF switch, then press Start/Stop ►/■ button). Select a slower motor speed as needed (press ➤ on the control panel).



- After activating the motor, insert the pieces of meat into the grinding funnel of the screw housing.
 Carefully push the meat through the grinding funnel of the screw housing using only the supplied plunger.
- After processing is finished, turn the unit off (press Start/Stop ►/■ button and power ON/OFF switch).
 Disconnect the unit from its power source by removing the plug from its socket.

Tip: To make tartar, run ground meet through the machine twice using the plate with medium perforations.

Stuffing sausage

- 1. Mince meat following the instructions in "Mincing and mixing".
- 2. After processing, first press the button labeled **Start/Stop** ▶ button to turn off the motor. Then, disconnect the unit using the power **ON/OFF** switch and remove the plug from its socket.
- 3. Press the release button and remove the screw housing from the unit by turning it clockwise. Unscrew the closing ring. Remove the perforated plate and knife from the screw housing.

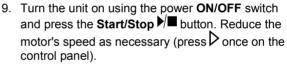


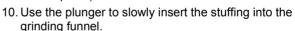


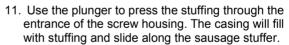
 Attach the divider so that its notch securely fits with the projection in the screw housing. Attach the sausage stuffer to the screw housing using the closing ring.

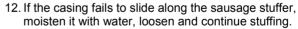


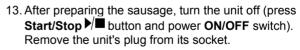
- Mount the complete screw housing to the motor, turning it counter-clockwise until a "click" sound is heard.
- 6. Place the tray on the grinding funnel of the screw housing.
- 7. Soak the casing for approx. 10 min. in lukewarm water.
- 8. Prepare the sausage stuffing according to taste, then place it on the tray. Pull the casing over the sausage stuffer. Tie off the end.



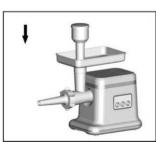










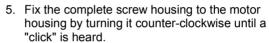


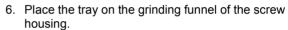
Pressing cookies

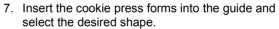
1. Prepare cookie dough according to your own taste. Leave it in the refrigerator for a short time prior to processing.



- Prepare the unit for pressing cookies. Mount the cookie press attachment according to the following instructions.
- 3. First, insert the screw shaft into the housing with the plastic ring.
- 4. Attach the divider so that its notch securely fits with the projection in the screw housing. Attach the cookie press form to the screw housing and fix it to the screw housing using the closing ring.

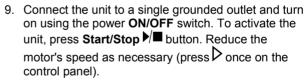


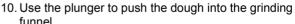


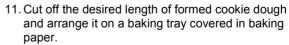






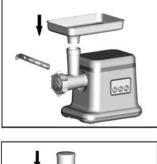






- 12. After preparing the cookies, turn the unit off (press Start/Stop ► button and power ON/OFF switch). Remove the unit's plug from its socket.
- 13. Bake cookies according to your own recipe.









Preparing meat pockets/kebbe

 Prepare the unit for processing meat according to the instructions in "Mincing and mixing" and prepare meat according to your own recipe for stuffing and casing (sample recipes below).

Sample recipe

Kebbe stuffing

Kebbe casing

100 g	lamb	450 g	light lamb
1 1/2 tablespoon	olive oil	150-200 g	flour
1-2	finely chopped onion	1 teaspoon	spices
1/3 teaspoon	spices	1 teaspoon	ground nutmeg
1/2 teaspoon	salt	1 pinch	paprika or chili powder
1 1/2 tablespoon	flour	1 pinch	pepper

- Run the lamb for stuffing through the meat grinder following the instructions in "Mincing and mixing". Fry the onions to a light brown. Mix all the ingredients together.
- 3. Grind the meat for the casing by running it three times through the grinder, following the instructions in "Mixing and mincing" (first through the medium perforated plate, then twice through the small perforated plate). Mix the ground meat in a bowl with the rest of the ingredients for the casing. Run the mixed ingredients through the meat grinder another three times.



For best results and best taste, use more meat and less flour in the casing.

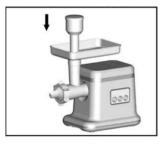
- After preparing the meat, turn the unit off (press Start/Stop ►/■ button and power ON/OFF switch). Remove the unit's plug from its socket.
- Press the release button and remove the screw housing from the unit. Unscrew the closing ring and remove the perforated plate and knife from the screw shaft.



- 6. Prepare the unit for making kebbe casings.
- Attach the plastic finger so that its notch securely fits into the opening of the screw housing. Attach and mount the cone using the closing ring onto the screw housing.







- 8. Fix the complete screw housing to the motor housing by turning it counter-clockwise until a "click" is heard.
- 9. Place the tray on the grinding funnel of the screw housing.
- 10. Place the kebbe casing mix on the tray.
- 11. Connect the unit to a single grounded outlet and turn on using the power ON/OFF switch. To activate the unit, press Start/Stop ► button. Reduce the motor's speed as necessary (press once on the control panel).
- 12. Use the plunger to push the mix into the grinding funnel.
- 13. The meat grinder with kebbe attachment will form a long tube. Cut it into segments of the desired length (approx. 7 8 cm).
- 14. After preparing the kebbe, turn the unit off (press **Start/Stop** ►/■ button and power **ON/OFF** switch). Remove the unit's plug from its socket.
- 15. Fill the tubes with stuffing and close their ends (see fig. below).



16. Bake the filled meat pockets in olive oil until browned.

Freeing chocked ingredients

- The return motion function enables you to free ingredients stuck inside the screw housing.
- When there are fragments of food products inside the screw housing, activate the return motion function as follows:
 - \rightarrow if the unit is in use, first press **Start/Stop** \blacktriangleright button to turn off the motor.
 - → **Tip:** The return motion button only works when the motor is off and the power **ON/OFF** switch is on.
 - → Press the return motion button located on the control panel for a brief moment.





Do not allow the motor to work in return motion mode for a longer period (press the return motion button ◀). When this function is activated, food products travel in the direction of the motor housing and may get inside it.

→ If the food products fail to be released after a short time, turn the unit off (using the power ON/OFF switch) and remove the plug from its socket. Clean the unit following the instructions in 6 "Cleaning".

Preventing overheating

- The unit is equipped with a mechanism to prevent overheating, which automatically turns the unit off in case the motor begins to overheat..
- If the motor stops during use, immediately remove the plug from its socket and turn the unit off (press **Start/Stop** ▶/■ button and the power **ON/OFF** switch).
- Leave the unit to cool and clean it following the instructions in 6 "Cleaning".
- To prepare the unit for further use, press the button marked Z at the bottom of the unit (see fig. right).
- Connect the unit to its socket, turn it on again (press power ON/OFFswitch and then Start/Stop Dutton).
- If the overheating safety mechanism activates again, contact a service agent or sales agent.



Tips and advice

- Always process only fresh food products. Especially with meat, remember to process
 it immediately before cooking. Ground meat has a short shelf life, even when kept in
 cold storage.
- Before processing food products cut them into appropriately small pieces or strips
 that will fit into the grinding funnel and can be easily processed. Cut meat into pieces
 approx. 10 cm long and 2 cm thick; cut harder food products into cubes of 1 cm.
- When processing larger quantities of food products, divide them into portions that can be processed in 2 to 3 minutes. Turn the unit off between portions to avoid overheating; prepare the next portion for processing while waiting for the unit to cool.
- Never use the unit to process food products with very hard pieces (e.g. seeds, shells, nuts, bones, etc.). These parts should be removed before processing. Boil hard vegetables before processing.

- Do not use the meat grinder to process food products with large amounts of water or juices.
- For better mixing of ingredients, add spices, herbs and onion when mincing meat (e.g. ground meat, tartar). Grind hard spices (nutmeg, pepper) before adding.
- Use a lower motor speed for processing soft ingredients (press the button on the control panel marked one time).



Leftover meat can easily be removed from the screw housing by running a slice of bread through the machine.

6. Cleaning



WARNING!

After finishing using the unit, turn it off (press Start/Stop ►/■ button then power ON/OFFswitch). Wait until the motor is completely still, then remove the unit's plug from its socket.

Leave the device to cool down completely.

The device is not suited for direct washing via water jets!

Protect the device from water penetration.



CAUTION!

Do not use any aggressive or bleaching cleaning agents containing active oxigen, chlorine or corrosive components.

Do not use any abrasive or scouring cleaning agents, such as steel wool, steel wool containing soap, metal / plastic sponges or similar agents with abrasive surface



ATTENTION!

Clean the unit immediately after finishing use, and never allow leftover food products to dry on the housing and other parts of the unit.



Disassembly of the unit

- Remove the plunger from the grinding funnel and remove the tray from the screw housing.
- Loosen the closing ring on the screw housing by turning it slightly counter-clockwise.
- Press the release button at the front of the unit and disconnect the screw housing from the motor by turning it clockwise.
- Unscrew the closing ring and remove all elements from the housing (plate, knife, screw shaft, etc.).



WARNING!

The knife is very sharp, be especially careful when removing it.

 Remove leftover food products from the screw housing and grinding funnel. If necessary, use a wood or plastic spoon.

Cleaning the unit and accessories



ATTENTION!

Never wash the unit or its parts in a dishwasher.

- Disassembled parts of the unit should be washed in a warm solution of water and washing-up liquid. Use a soft sponge or cloth.
- Dried food can be removed easily if left for a time in warm water. Rinse the cleaned parts in clean water and dry thoroughly.



CAUTION!

<u>Never</u> immerse the motor housing and power cable in water or other liquids.

- Wipe the housing and power cable with a soft cloth. Ensure that no liquids get inside the unit's openings. Dry the motor housing thoroughly.
- Leave all cleaned parts out for ½ an hour to dry.
- Wipe the plates and knife with a small amount of cooking oil to prevent rust.



Storing the unit

- If the unit is to remain unused for a longer period, store it in a dry, clean place secure from frost, sun and children.
- Do not place any heavy objects on the unit.
- All parts should be stored together. The screw shaft, knife and one of the plates should be placed inside the screw housing and secured with the closing ring. Attach the complete screw housing to the motor housing. This will help in avoiding cuts and losing parts of the unit. Place the tray on the grinding funnel.
- Store the plates in the integrated tray at the rear of the unit's housing. Store other accessories (sausage stuffer, kebbe attachment and divider) inside the plunger.
- o Store the power cable in the hold at the bottom of the unit.

7. Possible Malfunctions

Malfunction	Cause	Solution
Plug is in socket but motor does not function	 Safety fuse has been triggered. The power ON/OFF switch is off. 	Check the safety fuse, connect the unit to another socket. Turn the unit on by the power ON/OFF switch.
	 The Start/Stop ► button has not been pressed. 	• Press Start/Stop ▶ ■ button.
The motor suddenly stopped while in use	Overheating protection has been triggered.	Activate the unit according to the instructions in "Protection against overheating".
Return motion can not be activated	Return motion can only be activated when the motor is off and the power ON/ OFF switch is turned on.	• Turn off the motor using the Start/Stop ►/■ button, then press the return motion button ◀.
Liquid is flowing from the outlet	Food products are too wet or contain too much water.	Dry the wet products. Do not process products containing too much water.



Malfunction	Cause	Solution
Ingredients are located inside the grinding funnel, but nothing is coming out of the outlet	The screw housing is blocked.	Immediately press the Start/ Stop
The motor is working too slowly	Too much food in the screw housing.	Do not place too much food inside the grinding funnel.
	 Plunger pressed too hard. 	 Press gently on the plunger.
	Hard ingredients blocking the knife or screw shaft.	Remove hard elements (bone, seeds, pits, etc.).



8. Waste disposal

Old devices



The electric devices are marked with this symbol. You must not dispose of electric devices with household waste. When the device may not be longer used each consumer is obliged to dispose of the device at the dedicated local collection point, separately from household waste.



Electric devices should be used and disposed of properly to prevent the impact on the environment.

 Disconnect the device from the power supply and remove the power cord from the device.

Bartscher GmbH Franz-Kleine-Str. 28 33154 Salzkotten Germany phone: +49 5258 971-0 fax: +49 5258 971-120

Service-Hotline: +49 5258 971-197

www.bartscher.com