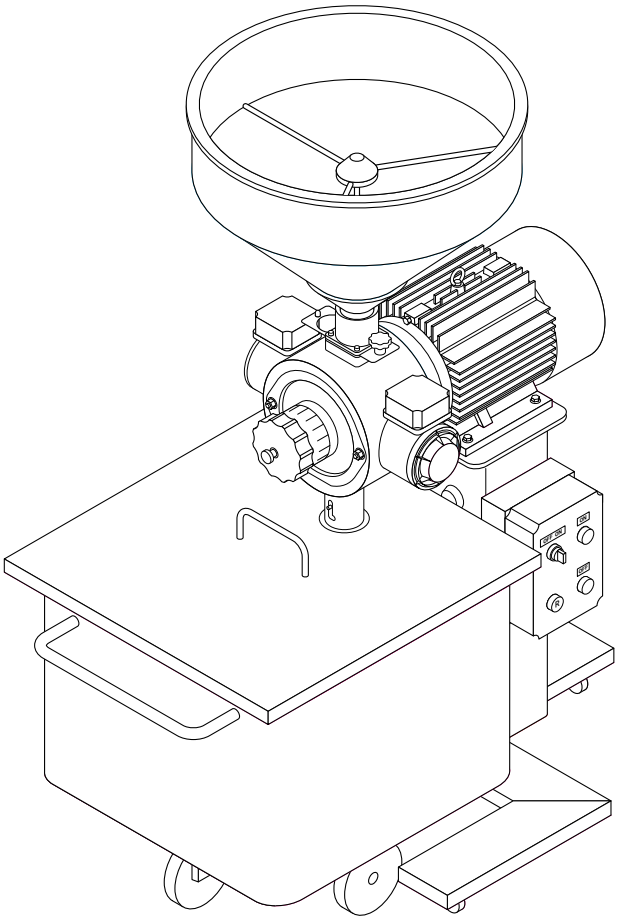
1827 High Volume

ORIGINAL OPERATING INSTRUCTIONS



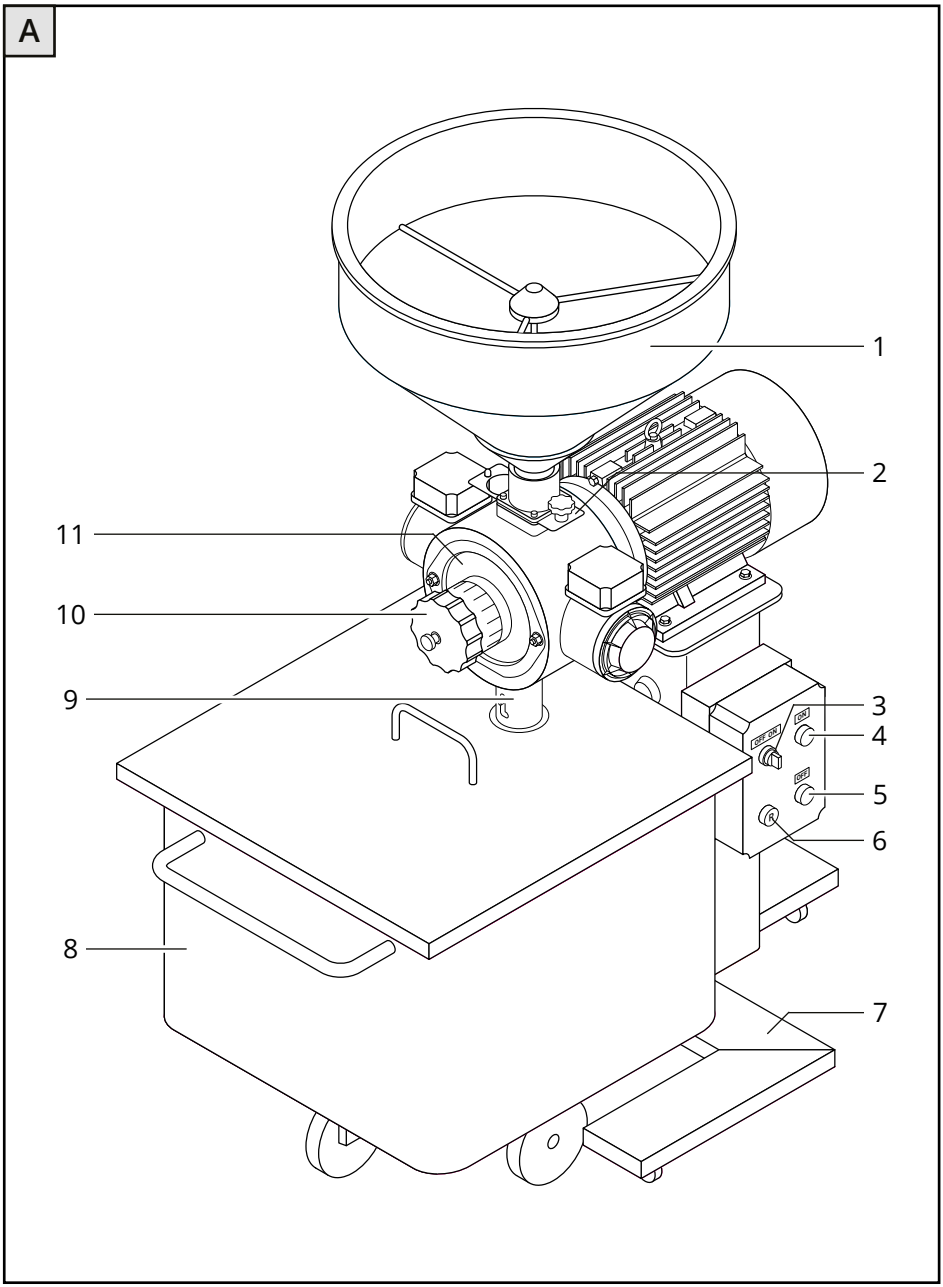
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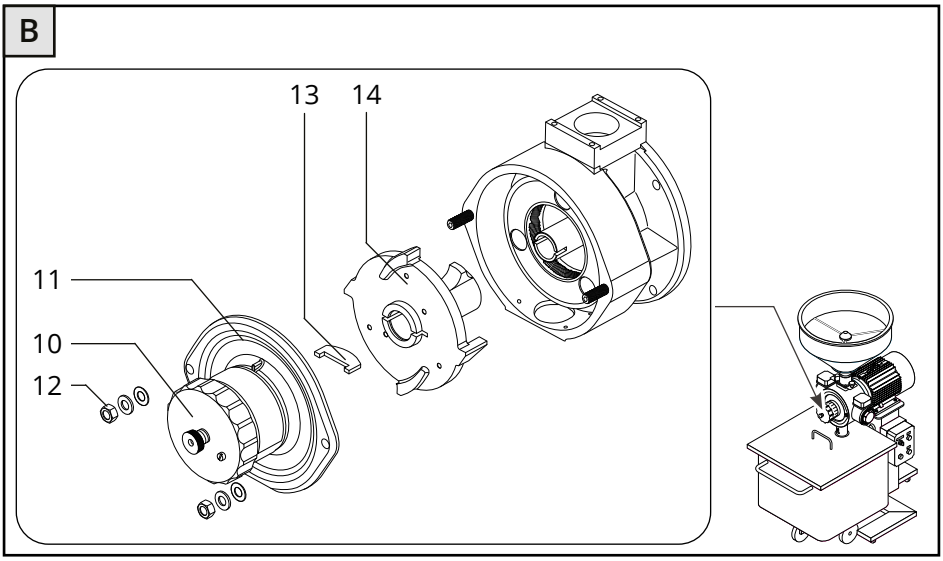
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Overview





Scope of delivery / parts

No.	Designation
1	Funnel (with magnet)
2	Hopper slide
3	On/off switch (ventilation)
4	On button (motor ON)
5	Off button (Motor OFF)
6	Release button (reset)
7	Base (with castors)
8	Regrind container
9	Outlet pipe
10	Adjusting cap (with grinding degree scale)
11	Grinding housing cover
12	Nut (with two washers), 2×
13	Driver
14	Primary crusher

General information

Read and keep the original operating instructions



Before you use the Industrial grinder 1827 High Volume carefully read through the original operating instructions - especially the safety instructions. This is the only way you can Industrial grinder 1827 High Volume safely and use it safely.

The original operating instructions are based on the standards and regulations applicable in the European Union. When abroad, also observe country-specific guidelines and laws.

In order to increase comprehensibility, the Industrial grinder 1827 High Volume referred to below simply as "grinder".

Keep these original operating instructions for future reference. Also pass on the original operating instructions to subsequent owners and users of the grinder.

Explanation of characters used

The following symbols and signal words may be used in these original operating instructions, on the grinder or on the packaging.



WARNING!
This signal word/symbol indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.



CAUTION!
This signal word/symbol indicates a hazard with a low level of risk which, if not avoided, may result in minor or moderate injury.

NOTE!
This signal word warns of possible material damage.



This symbol gives you useful information on operation or handling.



Declaration of Conformity: Products marked with this symbol comply with all applicable Community regulations of the European Economic Area.



UKCA seal of approval: Products marked with this symbol meet the electrical product safety requirements of the United Kingdom of Great Britain.



ETL Listed seal of approval: Products marked with this symbol meet the electrical product safety requirements of the United States of America.



Products marked with this symbol meet the required criteria of the NSF (National Sanitation Foundation) with regard to cleanliness and hygiene in the food sector.



Products marked with this symbol may only be used indoors.



This symbol indicates a risk of electric shock.



This symbol indicates that the grinder complies with protection class I.

Security

Intended use

The grinder is designed for grinding suitable grist. The ground material must be cleaned and unground.

Suitable grinding material:

- roasted coffee beans,
- cereals,
- dried spices.

Do not use the grinder to grind other products or objects and do not attempt to grind material that has already been ground again.

The grinder is intended for commercial use. It may only be serviced by trained personnel, but may be operated by other persons in a place where its use is supervised.

Any other use is considered improper and may result in damage to property or even personal injury.

Do not make any changes to the grinder. Neither the manufacturer nor the dealer shall be liable for injuries and damage resulting from non-compliance with the safety instructions, improper use or modifications carried out independently.

Safety devices

Thermal overcurrent circuit breaker

The grinder has a thermal overcurrent circuit breaker that interrupts the grinder circuit in the event of an electrical overload.

To restart the grinder after the thermal overcurrent circuit breaker has tripped:

» Switch the grinder off by pressing the Off button **[5]**.

» Then press in the release button **[6]**.

You can now switch the grinder back on and put it into operation by pressing the On button **[4]** (see *p. 16 "Troubleshooting"*).

IMPORTANT: The operator has no influence on the thermal overcurrent circuit breaker. If the circuit breaker trips several times, an authorized service partner must be consulted, as the motor winding may be damaged.

Magnet holder

A magnetic holder (with magnet) is fitted in the hopper **[1]** of the grinder. The magnetic holder largely prevents ferrous foreign bodies from entering the grinder.

» Check the magnet holder daily for foreign objects.

Driver

The machine is protected against foreign objects in the grinder by a catch **[13]**, which breaks if overloaded.

Safety instructions

⚠ WARNING!

Risk of electric shock!

Improper use, faulty electrical installation or excessive mains voltage can lead to electric shock.

- Only connect the grinder if the mains voltage at the connection point matches the specification on the rating plate.
- Do not operate the grinder if it is visibly damaged or if the power cable is defective.
- If the mains cable of the grinder is damaged, it must be replaced by the manufacturer or by qualified personnel in order to avoid hazards.
- Do not operate the grinder without an earth connection.
- Only connect the grinder with a suitable back-up fuse (see *p. 18 "Technical data"*).
- Only install the grinder in places where the handling of the grinder can be supervised by trained personnel.
- For grinders without a mains plug, the fixed wiring must have a suitable disconnection option (e.g. via an automatic circuit breaker).
- If the grinder is to be moved for cleaning and maintenance work, the connecting cables (electrical connection, earthing) must be sufficiently flexible and the length of the connecting cables must at least correspond to the dimensions of the grinder (in the direction of movement) plus 50 cm.
- Do not operate the grinders above 2000 meters.
- Never touch the mains plug with wet hands.
- Never pull the mains plug out of the socket by the mains cable; always hold the mains plug.
- Keep the grinder and the power cable away from naked flames and hot surfaces.
- Only use the grinder in dry indoor areas. Do not operate the grinder in a damp or wet environment.
- If you are not using the grinder, cleaning it or if a fault occurs, switch the grinder off and disconnect it from the power supply.

- Do not open the housing, but leave the repair to specialists. Contact a specialist workshop for this. Liability and warranty claims are excluded in the event of repairs carried out by the user, improper connection or incorrect operation. Only parts that correspond to the original device data may be used for repairs. This grinder contains electrical and mechanical parts that are essential for protection against sources of danger.
- Make sure that children do not have unsupervised access to the grinder. The grinder is not intended for use by children or persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge. Children are not allowed to play with the grinder.

⚠ WARNING!

Risk of injury!

There is a risk of serious injury if people reach into rotating grinding disks.

- Never reach into the rotating grinder below the hopper or insert any objects into it.
- Before removing the hopper and carrying out maintenance or cleaning work on the grinder, always switch off the grinder and disconnect it from the power supply.

Initial commissioning

Check grinder and scope of delivery

» Check whether the grinder or individual parts are damaged.

If this is the case, do not use the grinder. Contact your dealer (see *p. 19 "Maintenance and service"*).

The grinder was subjected to an extensive function test before delivery and may therefore still contain grinding residues.

Set up the grinder

1. Place the grinder on a level, stable and vibration-free surface in a dry environment.
2. Secure the castors to the base **[7]** so that the grinder is stable.

   To do this, turn the wheel above each roller counterclockwise until the corresponding stand has lowered towards the floor.

   IMPORTANT: When lowering the feet, make sure that the grinder is level on the surface.

The grinder stands on its feet and is secured against rolling away.

If the grinder is to be moved: Turn the wheel above each roller clockwise until the corresponding stand has lifted sufficiently from the floor.

Connect the grinder

The grinder is ready for operation on delivery. All you have to do is connect the grinder to a power supply.

1. Make sure that a secured back-up fuse is installed (see *p. 18 "Technical data"*).

   The required back-up fuse is not included in the scope of delivery.

   Ensure that the back-up fuse is not overloaded by other loads (e.g. fan heaters, freezers).
2. Ensure that the mains voltage and frequency match the specifications on the rating plate.
3. Connect the grinder to the power supply.

Check direction of rotation

1. After connecting the grinder, first check whether the direction of rotation of the grinder is correct.

   The arrow on the fan cover indicates the correct direction of rotation of the grinder.
2. If the grinder turns in the wrong direction, have the polarity of the socket reversed by a specialist in accordance with DIN.

Operation

Use grinder

1. Place the grinder container **[8]** under the grinder outlet (see **fig. A**).
2. Connect the grinder outlet to the grinder container **[8]** by turning the outlet pipe **[9]** slightly.
3. Clamp the earthing cable to the corresponding earthing screw on the grinder container **[8]**.
4. Set the desired grinding degree by turning the adjusting cap **[10]**.

   For a finer setting (finer grind):

   » Turn the adjusting cap **[10]** clockwise.

   For a coarser setting (coarser grind):

   » Turn the adjusting cap **[10]** anticlockwise.
5. Fill the hopper **[1]** with unground ground coffee.
6. Switch the ventilation on by turning the on/off switch **[3]** (clockwise) to the ON position.
7. Switch the grinder on by pressing the On button **[4]**.

When the green operating indicator lights up:

8. Open the funnel slide **[2]**.

   The grinding process begins.

Before you switch off the grinder:

9. Close the hopper slide **[2]** and allow the grinder to grind freely.
10. Then switch the grinder off by pressing the off button **[5]**.
11. Switch off the ventilation by turning the on/off switch **[3]** (anticlockwise) to the OFF position.

Readjust the grind setting

The grinder is precisely adjusted by the manufacturer.

If the grinder no longer grinds the food finely enough after prolonged use, the grind setting must be readjusted.

1. Unscrew the fastening screw in the center of the adjusting cap **[10]** with a screwdriver and remove the adjusting cap.
2. Switch the grinder on by pressing the On button **[4]**.
3. Turn the now exposed setting spindle very carefully and slowly to the right until you hear a slight clink (touching the grinding disks) and then immediately turn it back to the left by approx. 1 notch.

   You should no longer hear any clinking of the grinding disks.
4. Carry out a grinding test: The grinding test should result in a fine-grained grain (for coffee).

   IMPORTANT: If the ground material is too fine, the grinder can easily get stuck so that the ground material cannot slip.

No "clinking" of the grinding disks should be audible at the finest setting. Otherwise, the service life of the grinding disks will be considerably reduced.

5. If the setting you have made does not meet your expectations, correct the fineness as described above.
6. Then switch the grinder off again by pressing the off button **[5]**.
7. Place the adjusting cap on the adjusting spindle so that the arrow on the cap is positioned exactly on the "fine" symbol.

   It must no longer be possible to turn clockwise.
8. Insert the fixing screw of the adjusting cap **[10]** and tighten it with a screwdriver.

If the result is not satisfactory, the grinder needs cleaning or the grinding disks need to be replaced.

Cleaning

⚠ WARNING!

Risk of electric shock!

Improper use can lead to electric shock.

– Always disconnect the grinder from the power supply before cleaning.

NOTE!

Danger of short circuit!

Water entering the grinder can cause a short circuit.

– Make sure that no water or other liquids get into the housing.
– Do not immerse the grinder or the power cable in water or other liquids.
– Never clean the grinder with a jet of water or a steam cleaner.

NOTE!

Risk of damage!

Improper cleaning can lead to damage to the grinder.

– Clean the grinder daily as described below.
– Do not use any aggressive cleaning agents or sharp or metallic cleaning objects such as knives, metal sponges and the like. These can scratch the surface.
– Do not clean the grinder using compressed air (e.g. with a compressed air blow gun).

Cleaning the grinder housing

1. Switch the grinder off by pressing the off button **[5]** and disconnect the grinder from the power supply.
2. Clean the housing with commercially available, mild cleaning agents.
3. Clean the magnet in the funnel **[1]** by removing any foreign objects that may have stuck to it, otherwise blockages may occur.

   IMPORTANT: Do not allow any foreign objects to fall into the grinder!

Cleaning the grinder

1. Switch the grinder off by pressing the off button **[5]** and disconnect the grinder from the power supply.
2. Turn the adjusting cap **[10]** to "coarse".
3. Unscrew the two nuts **[12]** on the grinding housing cover **[11]** from the threaded pins and put the nuts with their washers to one side (see **Fig. B**).
4. Remove the grinding housing cover.
5. Remove the driver **[13]** from the slot of the pre-breaker **[14]**.
6. Pull the pre-breaker **[14]** off the motor shaft.

   Use a puller for this purpose
7. Clean the grinder with a fine brush and remove any foreign objects.

Before pushing the pre-breaker [14] back onto the shaft:

8. Grease the shaft with acid-free, resin-free and food-safe grease (e.g. Vaseline).
9. Push the pre-breaker back onto the shaft.
10. Align both slots so that you can easily reinsert the previously removed driver **[13]**.

    The curved side of the driver must face the motor.
11. Carefully clean the contact surfaces of the grinding housing and grinding housing cover **[11]** to remove any dirt.

    Grinding material must not stick to the surfaces where the grinding housing and grinding housing cover lie on top of each other during assembly.
12. Replace the grinding housing cover **[11]**.
13. Secure the grinding housing cover **[11]** by replacing the two washers on the two grub screws and then tighten the nuts **[12]** alternately.
14. Turn the adjusting cap **[10]** to the desired grinding degree.

    The grinder is ready for operation again.

Maintenance and servicing

Changing the grinding disk

If the grinding performance decreases and the ground material becomes hot and irregular, the grinding disks should be replaced.

1. Switch the grinder off by pressing the off button **[5]** and disconnect the grinder from the power supply.
2. Disassemble the grinder as described in the chapter on cleaning the grinder (see *p. 14 "Cleaning the grinder"*).
3. Use a screwdriver to remove the grinding disks from the grinding housing and the pre-breaker **[14]**.
4. Clean the contact surfaces of the new grinding disks thoroughly.
5. Screw on the new grinding disks firmly and evenly.
6. Close the grinder again as described in the chapter on cleaning the grinder (see *p. 14 "Cleaning the grinder"*).
7. Set the grinding fineness again as described in the chapter on readjusting the grinding fineness (see *p. 12 "Readjust the grind setting"*).

Spare parts

Spare parts can usually be ordered from your service workshop or dealer.

The following information is absolutely necessary to ensure that your order is processed quickly and correctly:

- Type designation, machine number and voltage of the grinder (on the type plate on the underside of the grinder).
- Exact description of the part to be replaced or the article number.

Troubleshooting

Error	Cause	Remedy
The grinder does not start.	• The grinder is not connected to the power supply.	» Connect the grinder to the power supply.
	• The overcurrent circuit breaker has tripped.	» Check whether the trip button of the circuit breaker has popped out . Push it back in if necessary. If the switch repeatedly pops out, contact your service partner (see *p. 19 "Maintenance and service"*).
	• The electrical back-up fuse was triggered.	» Check the electrical back-up fuse. Restore them to their original state or replace them. Check whether other loads are connected to this fuse and unplug them if necessary. If the back-up fuse trips repeatedly, contact your service partner (see *p. 19 "Maintenance and service"*).
The grinder hums, but does not grind.	• The outlet is blocked.	» Set the coarsest grind and start the grinding process. The grinder grinds freely. Then set the desired grinding degree again.
	• The grind is too fine.	» Set the coarsest grind and start the grinding process. The grinder grinds freely. Then set the desired grinding degree again.
	• There is a foreign object in the grinder.	» Clean the grinder (see *p. 14 "Cleaning the grinder"*) and remove the foreign object. If the foreign body cannot be removed in this way, contact your service partner (see *p. 19 "Maintenance and service"*).

Error	Cause	Remedy
The grinder turns, but does not grind.	• Wrong direction of rotation	» Have the polarity checked by a specialist.
	• The driver is damaged / broken.	» Set up the grinder in a protected location on a level and vibration-free surface.
	• Metal parts on the magnet in the hopper impair the flow of ground material.	» Clean the funnel and remove the metal parts from the magnet (see *p. 13 "Cleaning the grinder housing"*)

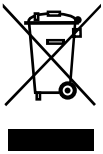
Technical data

Model:	1827 High Volume
Voltage | Frequency | Phase:	380-415 V | 50 Hz | 3~
	380-415 V | 60 Hz | 3~
	200-208 V | 60 Hz | 3~
Speed	
50 Hz:	1450 rpm
60 Hz:	1750 rpm
Noise emission value	
Idle:	65 dB
Grinding*:	85 dB
Back-up fuse	
380-415 V:	3 × 32 A-inputs
200-208 V:	3 × 15 A-carriers
Grinder overcurrent circuit breaker	
380-415 V:	set to 11 A
200-208 V:	set to 20 A
Max. permissible operating time:	Continuous operation
Dimensions (W × H × D):	790 × 1600 × 1230 mm
Weight (net):	155 kg
Funnel contents*:	approx. 30 kg
Filling quantity container:	approx. 200 l

» For other voltages and frequencies, please ask us or your dealer for the technical data.

* The noise emission depends on the material being ground.

Waste disposal



Electrical appliances are marked with the adjacent symbol. Old appliances must not be disposed of in commercial/household waste!

Consumers are legally obliged to dispose of old appliances separately from commercial/household waste, e.g. at a collection point in the municipality/district, for the purpose of reuse or disposal. It is also possible to return the old appliance to the retailer free of charge. This ensures that old appliances are recycled properly and negative effects on the environment are avoided. If personal data is stored on the old device, consumers must ensure that it is deleted themselves.

Maintenance and service

» In the event of service or maintenance, contact an authorized customer service center for Ditting-products. Customer service will answer your questions about repair and maintenance of your product as well as spare parts.

Exploded views and information on spare parts can also be found at:

https://hemro.net_ Ditting_1827_InstructionManual

https://hemro.net_ Ditting_1827_Spare_parts_list

Our application consulting team will be happy to help you with questions about our products and their accessories.

» For all queries and spare parts orders, please be sure to quote the article and serial number on the grinder's rating plate.

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