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hawos Pegasus

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Your Pegasus at a glance



Lever for adjustment of the grade of the flour

Flour outlet and bag holding clamp

Switch with thermal overload protector

Please place the Pegasus mill on a hard and even surface.

The slots on the back of the mill ventilate the motor, so please ensure that they are never obstructed.

If you read these instructions carefully before using your mill, you should not encounter any problems.

In case you need to speak to one of Hawos' technical advisors, please dial +49 6172 40 12 00/ Fax +49 6172 40 12 019

Brief Instructions – 230 V Unit

The Pegasus housing is made of hard-wearing Multiplex.

Nonetheless, please do not position the mill close to a heating source (hob/oven etc.) or in any damp environment.

- Plug the mill into the socket
- Adjust the grade of the flour with the lever
- Fill up the hopper with grains
- Switch the mill on with the switch on the right-hand side of the mill

Brief Instructions – 400 V Unit

If your rotary current socket has been connected properly, you can use the mill straight away and the millstones will grind in the correct direction. However, it is always advisable to double-check the running direction of the millstones first to be on the safe side.

- Pull out the bolt in front of the hopper.
- Remove the hopper with its base. You can then see the mill chamber with the grain inlet and the millstone shaft.

-Switch the mill on very briefly. If the millstone shaft is turning **ANTICLOCKWISE**, you can start using the mill straight away.

If you cannot see the direction properly, remove the mill chamber as follows:

- With the Allen key that is located under the hopper in the body of the mill remove the two brass screw nuts

-Pull the mill chamber towards you. You can now see the stones directly.

- Plug in the mill and turn on very briefly.

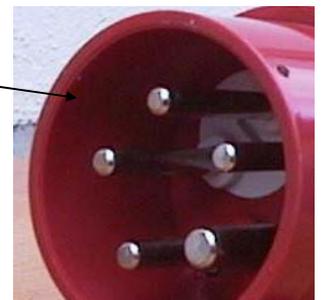
The forward millstone has to turn **ANTICLOCKWISE**. Make sure you do not touch the stones! If the stone turns as described, you can use your mill.

Should the forward stone turn clockwise, you would have to correct the direction as follows:

- Unplug the mill

-If you look at the plug you can see two connecting contacts on a grey turn tilt plate. Put a screw driver in the little slot on the turn tilt plate, push in and turn the connecting contact by 180 degrees.

-Plug the mill in and try again. The forward stone should now be turning **ANTICLOCKWISE**. Now re-assemble the mill: Put on the mill chamber, screw the brass screw nuts in, put on the hopper and push in the wooden bolt.



Adjusting the grade of grinding:

You can change the grade of the milling while the mill is in use by moving the lever. It is always possible to change from **fine to coarse** milling, even if the mill is switched off.

If you want to change from **coarse to fine**, the mill has to be switched on or the milling chamber has to be empty. It is possible that grains stuck between the millstones can block the motor and prevent it from working properly.

The different types of grains vary markedly in fat content, fiber/bran content, germination body etc., therefore our Hawos mills are tested with all kinds of grains to ensure high quality milling. It may be necessary to change the lever setting slightly depending on the type of grain you mill.

For wheat, set the lever on the finest setting, pushing it to the top. For fine spelt and rye flour, adjust the setting to one or two points lower.

Should the millstones start gumming up with a certain type of grain, try grinding on a slightly coarser setting.

The Pegasus mill grinds about 400 grams per minutes on the finest setting and reaches 90% very fine particles, while the DIN standard only requests 80%.

Starting the grinding process

Pour the required amount of grain into the hopper.

Switch on your mill.

Please avoid using the mill without grains.

Please note - the millstones do not have a sliding contact on the finest setting, which will reduce warming of the flour, therefore ensuring sparing treatment of the flour.

You can switch off the mill at any time during the milling process.

End of grinding process

When the hopper is empty and the milling sound reduces, switch the mill off.

Flour outlet and bag holding clamp

You can fill up bags directly with the ground flour by holding them in place with a clamp. The best bags are paper ones of a strength that is used for commercially sold flours.

The bags should be big enough to avoid backflow into the outlet.

As the Pegasus grinds the flour so finely, the flour bag should be about double the size of the volume of the un-ground grains.

The outlet has a big diameter to ensure easy flow of the flour.

The clamp spring for the outlet completely encloses it to avoid leakage of flour and dust.

Press the ends of the spring to loosen.

Push the spring right up.

Now fold the paper bag around the outlet.

With one hand hold the bag in place, with the other, loosen the spring and let it down.

If the spring is correctly replaced, it should be in the crease on the outlet.

If you are milling more than 2 kg, it is advisable to place a bag or container directly underneath the outlet.

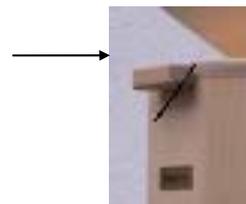
We are at present working on a protective dust cover out of cloth to lengthen the outlet. Should you have any suggestions or require a cover, please contact us.

Removal and replacement of hopper

You can remove the hopper at any time, even if it is filled up with grains. Pull the wooden bolt in front of the hopper to close it off.

Finish milling the grains in the milling chamber.

Remove the hopper with its bottom part.



Cleaning of the Pegasus

To ensure good hygienic standards, it is essential to clean the mill on a regular basis.

Position the lever on coarse and switch the mill on.

Hold a Hoover pipe underneath the outlet to Hoover up remaining flour dust.

From time to time, brush the mill chamber out with a hard brush.

Clean the Multiplex body with a damp, not wet, cloth.

Should the millstones have gummed up, feed a small amount of rice through the mill on a coarse setting.

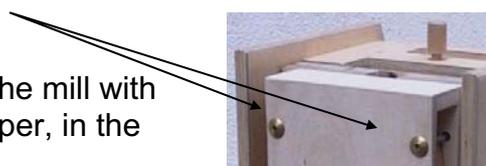
Cleaning of the mill chamber

Unplug the mill at the mains.

Remove the hopper as explained above.

Remove the two brass screw nuts on the rear of the mill with the supplied Allen key (to be found under the hopper, in the body of the mill).

Pull the mill chamber towards you.



To replace it, start by positioning the mill chamber over the two screw threads and fasten the brass screw nuts.

Replace the Allen key into the space in the body under the hopper, attach the hopper and push in the lever.

General hints on milling

Do not leave the mill unattended when switched on and do not leave it to be operated by children.

Only use clean grains or clean them before usage. Unclean grains often contain grit that can damage the millstones.

Always use dry grains. You can carry out a grain test with a spoon: Push hard on a single grain with a spoon. If the grain is dry, you will hear a crackling noise. If it is moist, it will not break but will simply get crushed.

If you use corn, please ensure you use corn intended for eating, not popcorn.

Do not grind the same batch of grains twice.

Hints for many years of satisfactory usage

Re-adjusting the grade of the flour

Should the lever not allow you to set the grade of flour after many years of usage, you can re-adjust it as follows:

Remove the hopper as previously described.

You should be able to see a screw nut through the slot of the lever.

Loosen the screw nut through the upper hole with a combination wrench in direction towards the rear of the mill. Then make one turn anti-clockwise with a slotted screwdriver through the small hole on top. By doing this, the lever is adjusted to "finer". Make sure that the millstones do not grind against each other after you have altered it.

Then tighten the screw nut again and remount the hopper.

Removal and Replacement of the milling mechanism

Should you ever encounter a problem with the milling mechanism, you can remove the millstones as follows:

- Unplug the mill
- Remove the hopper
- Turn lever to "coarse"
- Unscrew the ball from the lever
- Remove the brass screw nuts from the mill chamber
- Pull mill chamber towards you
- Remove the two screws next to the bolts that hold the hopper
- Unscrew the crosshead screws on both sides of the rear panel of the mill body
- Lift up the Z-shaped rear board
- Remove the belt from the pulleys by turning them
- Lift the milling mechanism up and towards you

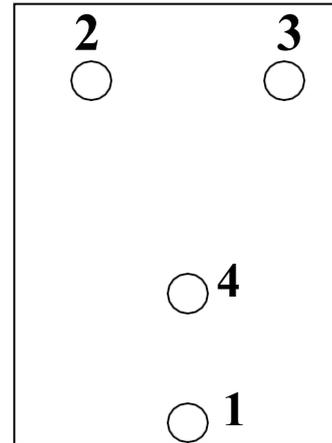
Removal of the turning millstone

- Turn lever to "coarse"
- Hold the shaft in place with an Allen key and turn the millstone anticlockwise until it is loose

Tightening of the fan belt

After long-time use, the belt can occasionally elongate and loosen from the pulleys, needing re-adjustment as follows:

On the underside of the mill you will find four screws (use a 13 mm jaw wrench key)



To **tighten** the belt

- LOOSEN** screw number four (see picture) **anti-clockwise** by one turn
- TIGHTEN** screw number one (see picture) **clockwise** by one turn

Problem solving

The motor does not start

If the motor does not start, please make sure that the mill is plugged in and that the fuse is not blown.

Little pieces of grit or grains between the millstones can block them, therefore move the lever to “coarser” and switch the mill on again.

The mill stops during use

If the mill is used in a faulty way or the motor overheats, it will switch off automatically. After cooling down for a few minutes, you can switch it on again.

If faults re-occur, please check

- if the grains you are milling are too moist
- if the grinding mechanism is blocked up
- if there is a foreign body between the millstones

You can always call our service team if you encounter any problems.

We are always happy to assist you.

Telephone Number +496172401200. Fax Number +4961724012019

Technical data for the Pegasus Grain Mill

Milling on fine setting	400g per min
Milling on a coarse setting	700g per min
Hopper capacity	2.5kg
Extra hopper capacity with hopper enhancement (can be bought separately)	1.8 kg
Power of the motor	750W
Voltage (230 V unit)	230 V AC 50Hz
Voltage (400 V unit)	400 V 3NAC 50Hz
Length of connecting 230 V lead	1.5 m
Length of connecting 400 V lead	4.0 m
Total height including original hopper	64cm
Height of hopper enhancement	7cm
Depth of base platform	38cm
Total depth	64cm
Width of base platform	27cm
Width including control lever	35cm
Type of wood	Multiplex Birch
Surface treatment	organic varnish (water based)
Millstone Diameter	12.5cm
Position of millstones	vertical
Weight	approximately 35kg
Safety qualification	CE mark
Guarantee	2 year
Standard accessories -	Holder for bags Lid for hopper Allen keys
Accessories available on request -	Pluggable Hopper enhancement, under frame Shelves

