

Plaster Saw „Electronic Power“



Instruction Manual

The plaster saw „Electronic Power“ is an oscillating saw for natural- and synthetic plaster dressings.

In the case of an average plaster size, the 50mm saw blade should be used. In exceptional cases and if the plaster is thicker, the 65mm saw blade is required.

For proper changing of the saw blades please use the attached wrenches. It is important that the excenter is not overstrained.

In order to avoid wear and tear as well as any heating of the saw, we highly recommend replacing worn and blunt saw blades in time. Please be aware, that saw blades have sharp cutting edges. This has to be considered during use as well as when replacing them. Caution of injuries!

In case of natural plasters (shiny surface) the appropriate saw blade for natural plasters should be used. In case of synthetic plaster dressings (silky surface) the saw blades for synthetic material should be used. As by cutting synthetic plasters more frictional heat is caused the shavings tend to stick to the saw blade. This effect can be abolished by using specially designed saw blades for synthetic plasters. Those blades have a special surface treatment.

After use any dust or similar should be wiped off the saw and the blade with a dry cloth. The saw should not be soaked in any liquids (like water etc.) or be washed or even covered on. If disinfection is required, it has to be carried out by using appropriate diluted disinfecting solutions. The saw should be only wiped by a damp cloth (do not cover it).

It is important that no liquids or steam enter the equipment. Please unplug the saw before cleaning.

The saw should not be sterilized.

The saw is maintenance-free.

The saw should not be used in areas with danger of explosion.

Before using the saw, it ought to be checked for any mechanical damage. Furthermore, the saw should not be used and has to be sent for a supervision, if it has been dropped onto the floor. Please do not tempt to repair it, as this will void your warranty and additional defects may occur.

In order to assure proper disposal, the plaster saw can be disposed by us or third parties.

Blunt saw blades have to be disposed of by using the recycling process (steel-/ metal raw materials).

The plaster saw is switched off/on by a security switch. By switching on the plaster saw a high running-up electricity is affected for a short time. The electronic system avoids that the fuses will adversely react (limitation of the running-up electricity). After the warming-up to the selected frequency of oscillations, the full power of the saw can be used. If you start your saw carefully, all mechanical and electrical parts will be protected. The risk of injuries is reduced by a smooth starting.

The security switch assures that at no time the plaster saw will be overstrained. In case of overloading, e.g., by blocking the drive, the motor will be switched off immediately. Thanks to the security switch, the plaster saw can be used after a short break.

The plaster saw is developed in accordance with EMV norm EN 60601-1-2.

The regulation of the motor performance is on the rear of the motor (close to the cable connection) and therefore won't disturb the user during use. At the control button the frequency of oscillations required can be infinitely variably selected from 3500 up to 24000. Once the selected, the oscillations will remain constant, if the motor is in neutral or during the cutting of the plaster.

The load compensation is permanently active and regulates the oscillations, even if various loads are occurring.

The Speedo on the drive shaft registers a reduction of the oscillations, if the burden of the motor is increased.

By comparing the selected power and the number of required oscillations, the operation of the system will be adjusted permanently. In case of a reduced number of oscillations due to an excess load, the electronic system will re-adjust the frequency of oscillations.

This procedure is done so quickly, that the user won't recognize any difference. Therefore, the plaster saw offers an optimised number of oscillations during use. In case of excessive use of the motor (e.g., if saw blades are stuck) the electronic system switches off the saw. The saw can be re-used after a short break.

By using the latest electronic system and electrical parts we are able to offer you a slim motor with a user-friendly housing. Furthermore, ergonomic and anthroposopic aspects have been considered in respect of smaller hands, noiseless during use (as not to frighten children while cutting the plaster, we recommend a lower number of oscillations).

The Ambiental temperature for storing and transportation should not fall below 5 °C and not exceed 40°C. Furthermore, humidity should not exceed 80%.



Plaster Saw „Electronic Power“



Technical data / classification

Part-Nr. 04.00.12, 04.00.13, 04.00.14, 04.00.15, plaster saw = 230 V, 50 Hz, 500 W

Part-Nr. 04.10.12, 04.10.13, 04.10.14, 04.10.15, plaster saw = 120 V, 60 Hz, 500 W

The equipment is in accordance with classe II and type BF.

Technical Specification

- 230 V, 50 Hz, 500 W or 120 V, 60 Hz, 500 W
- Infinitely variable from 3500 up to 24000 oscillations
- Regulation from outside of the manual operating area
- Automatic load compensation for the whole oscillation's amplitude
- Latest electronic system with various protection and security functions
- 5 m cable with EU-connection, 230 V or 3 m cable with US-connection, 120 V
- Special positioning of the motor, protected by plaster dust, reinforced armature shaft
- Slim motor design with very smooth running approx. 65 - 85 dB (A) \pm 5 dB (A) (level 1 to 3), depending on the selected oscillation, under unfavorable operating conditions approx. 95 dB (A) \pm 5 dB (A) (level 4 to 6)

Pos. Spare parts and recommended accessories

- | | |
|---|---|
| 1 | 1 pc. fixation screw for saw blade |
| 2 | 1 pc. fixation ring for saw blade |
| 3 | 1 pc. spare saw blade, synthetic plaster, 50 mm |
| 4 | 1 pc. spare saw blade, synthetic plaster, 65 mm |
| 5 | 1 pc. spare saw blade, natural plaster, 50 mm |
| 6 | 1 pc. spare saw blade, natural plaster, 65 mm |
| 7 | 1 pair of wrenches |

Symbol



Class II equipment



Type BF applied part



Alternating current



CE conformity



Power switch Off / On



Manufacturer



Medical Device

