



GA-SG-610-E
Edition 1.0
Stand 19.10.2004

Instructions of use for Dust Remover SG-610



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Technical data

Art-Nr	SG-610-01	SG-610-02
Main supply	230 V, 50 Hz	120 V, 60 Hz
Power rating	1200 W	1200 W
Type of current	1~	1~
Vacuum	235 mbar	235 mbar
Air Volume	57l/S	57l/S
Tank volume	35 l	35 l
Filter performance (Standard Filter)	99,97% > 0,5 µm	99,97% > 0,5 µm
Noise lever	63 dB	63 dB
Weight	9,5 Kg	9,5 Kg
Safety Class	II	II
Cord length	5 m	5 m
Tube length	2 m	2 m



Set recommendation
SG-610-11 + SG-610-70

Validity

These instructions are valid for all SG-610 Plaster Dust Removers and accessoires, sold by SCHREIBER Instruments.

Certificate of compliance

Manufacturer's name and address:

SCHREIBER GmbH
Chirurgische Instrumente
Unterer Damm 15
D-78567 Fridingen

Product name:

SG-610-01 and 02, plaster dust removers and accessoires in accordance to the valid catalogue and price-list.

The Schreiber GmbH confirms herewith in sole responsibility, that the above mentioned products comply with the following standards :EN 60 335-1, EN 60335-2-69, EN 61000-3-2:2000, EN 61000-3-3:1995 + A1:2001, EN 55014-1:2000+A1:2001, EN 55014-2:1997 in accordance to the guidelines 98/37/EG, 73/23/EWG and 89/336/EWG).

This statement becomes invalid after technical changes.


Armin Zepf
Quality Manager

With purchasing this SCHREIBER device you have decided to use a high quality product. Proper function and safety are only guaranteed for a long time, if the following points are strictly observed.

Purpose of use

Removal of dry dust of synthetic or plaster bandages, produced by a SCHREIBER SG-600 or SG-800 plastersaw. The safety rules of MDD (medical device directive) and the national laws for safe devices (Arbeitsmittel-Gerätesicherheitsgesetz) are valid.

misapplications

Generally it is not advisable to use the dust remover for purposes other than intended. That means, that the device must only be used for dry plaster dust. The machine is not suitable for operations, because the hose cannot be sterilized and wet debris may clog the hose. If you want to use the machine in connection with an autopsy saw anyway, the paper filter bag can be replaced with moisture proof filter bags. Please contact our service department!

Inspection

SCHREIBER dust removers must be inspected for completeness, damages or faults immediately after transportation. Claims for compensation are only possible, if shipper or dealer are informed immediately.

First use

SCHREIBER dust removers must not be used, before these instructions are worked through.

- For use and maintenance the valid (national) laws for safety and maintenance must be observed.
- make sure, that the voltage on the machine is similar to your socket.
- Check cables and extensions regularly.

Initial startup

- take the unit out of the packing.
- open the lid (fig. 1).



fig. 1

- take out the supplied components (fig. 2).

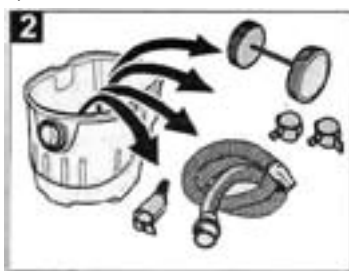


fig. 2

- mount the wheels on the lower side of the tank. Wheels should snap in audible. (fig. 3)

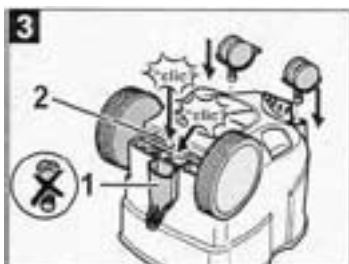


fig. 3

- Plug the hose in and turn the bayonet lock for locking (fig. 4)



fig. 4

- Press the brake to avoid rolling away (fig. 5)

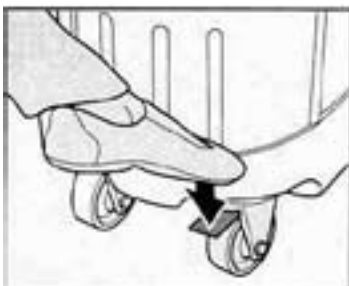


fig. 5

- Install the paper dust bag as shown in illustration 6:

1. Unlock and remove the suction head
2. Install the paper dust bag
3. Mount and lock the suction head.

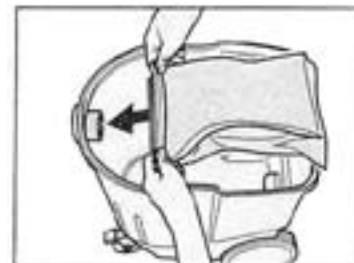


fig. 6

Switch on

• Manual mode:

- Insert the power plug.
- Switch on the machine (fig. 7).

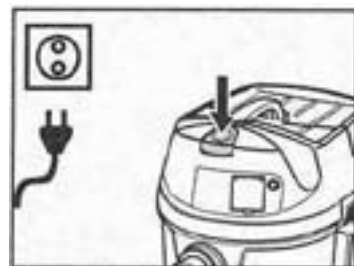


fig. 7

• Automatic mode

- (In the 120 V version only possible on request with DIN plug)
- Insert plug of the SCHREIBER plastersaw into the vacuum cleaner. (3 fig. 8)



fig. 8

- Insert the plug of the vacuum cleaner into the wall outlet and switch on the cleaner.

- Control lamp is on: Cleaner is in stand-by mode.

Note: The vacuum cleaner will turn on automatically, when the plastersaw is started. The cleaner has a starting delay of about 0.5 sec and a turning off delay of 15 sec.

ATTENTION: The voltage specification on the saw must comply with each



other!!

Filter Power Clean function

The unit is equipped with a new filter cleaning function, which is very effective in removing debris from the flat folding filter.

This procedure should be started at regular intervals, after or during use, if necessary. To start the clean function please proceed as follows:

- Remove the hose from the nozzle.
- Unplug the plastersaw's power plug.
- Switch on the dust remover.
- Keep shut the opening of the hose with your flat hand for a few seconds.
- The filter is now cleaned by automatic air blasts (pulsating sound).

Switch on Power Filter Clean:

Switch position (1) „down“ (fig. 9).

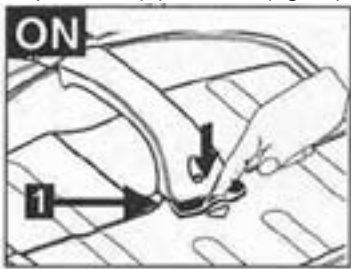


fig. 9

Switch off Power Filter Clean:

Switch position (1) „up“ (fig. 10).

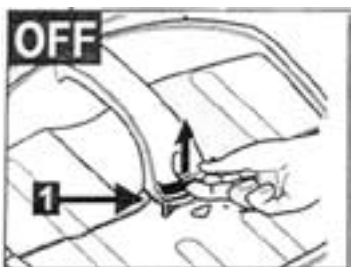


fig. 10

Safety Instructions

- Only use original spare parts.
- Improper use may cause overheating and damage of the machine.
- Never bring the machine in contact with water or other solutions.
- Maschine is not explosion protected. Keep away from flammable liquid or gas.
- It is recommended to wear safety equipment (protection glasses, gloves, ear protectors)
- Never use the vacuum cleaner without inserted flat folding filter.
- Do not screw or rivet external labels on the body of the machine. This may cause electrical danger.

Changing saw blade

-unplug cable to prevent unintentional turning on. Use protection gloves to prevent injuries caused by the saw blade.

1. Lay down the saw on a stable and even surface (table).
 2. Place one open end wrench (1) behind the saw blade on the shaft and the socket wrench (2) on the the locking screw (3).
 3. Retain the wrench (1) and use it for fixing the saw at the same moment.
 4. Untighten locking screw (3) with the socket wrench (2).
 5. Remove the locking screw (3) and the fixation washer (4).
 6. Take care to loose no parts.
 7. Remove saw blade (5)
 8. Clean thread and bearing surface
 9. Insert new saw blade and center on the shaft. **IMPORTANT:** The pin on the axis must fit into the notches in the saw blade perfectly (on both sides).
 10. Mount the fixation washer (4). Notches of the washer must show towards the saw and must fit to the pins, too.
 11. Screw down locking screw by hand and tighten with wrench (6-7 Nm).
- Always use both keys and make sure, that the shaft is not turned during untightening and tightening the screw. Turning the excentric axis inside the machine may damage the transmission.

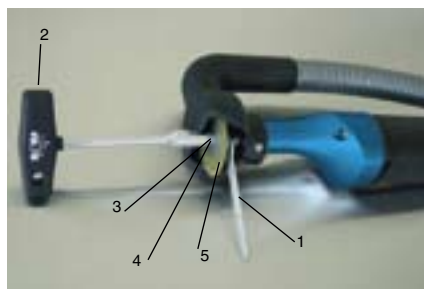


fig. 11

Troubleshooting

REPAIR OF THE MACHINE MUST BE MADE BY EXPERTS ONLY!

- Turbine is not working:
 - Check cable connections, wall outlet and fuses.
 - Try to turn on again.
- Turbine shuts down:
 - Empty tank
- Turbine does not restart after clearance:
 - Turn off the cleaner for about 5 sec. then turn it on again.
 - Clean electrodes and the space between them.

ween them.

- Suction power is decreasing:
 - Remove obstructions in nozzle, hose and filter.
 - Change paper filter bag.
 - Start Power Filter Clean procedure as shown in chapter „Filter Power Clean function“.
 - Make sure, that the filter cover is locked correctly.
 - Change flat folding filter.
 - dust emission during work:
 - Check correct installation of the filters.
 - Change flat folding filter.
 - Power Filter Clean starts automatically:
 - Remove obstructions in nozzle, hose and filter.
 - Change flat folding filter.
- If all these actions are unsuccessful, please contact our service department.

Care and Maintenance

Electrical devices must only be checked, repaired and maintained by experts. Always unplug the machine, when it is not used. Blunt saw blades must be removed, to avoid overheating of the machine. Device must be stored under dry conditions. Device must not be disassembled. There are no components inside, that can be repaired by the user.

The bayonet connection between nozzle and hose must be lubricated with special grease (included) permanently (fig. 12). The connection should be cleaned and greased regularly. The sealing o-ring must be checked for cracks and deformations at regular intervals. **NEVER WORK WITHOUT SEALING RING!**



fig. 12

Replacement of flat folding filter

- Open the filter cover (1 fig. 13)
- Replace flat folding (2) or exhaust filter (3).

- Close filter Cover (must lock audible).

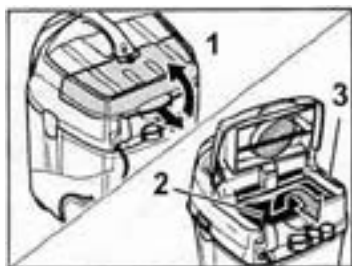


fig. 13

Cleaning of the electrode

- Unlock and remove suction head
- Clean electrodes
- Mount and lock suction head.

Guaranty

For this device we give guarantee according to the country specific regulations, but at least for 2 years. Improper use, normal wear, repair by third parties and modifications void guaranty and CE-marking. Please return the device with an invoice copy to the manufacturer. Lables mounted by the manufacturer must not be removed.

Environment protection

Please make sure that packings and disused devices are recycled environ-

mentally compatible. Please contact the manufacturer or your local specialist dealer for more information.

Equipment / Spare parts	
SG-610-01	- dust remover 230V only
SG-610-02	- dust remover 120V only
SG-600-01	- Oscillating plastersaw 230 V
SG-600-02	- Oscillating plastersaw 120 V
SG-610-20	- spare hose 2 m mit nozzle
SG-610-30	- paper filter bags (5 pc.)
SG-610-31	- wet filter bags (5 pc.)
SG-610-35	- Flat filter standard (1 pc)
SG-610-36	-Flat filter HEPA-Class (1 pc)
SG-610-40	- special grease 8 g
SG-610-50	- socket wrench 11 mm
SG-610-51	- open end wrench 11 mm
SG-610-55	- seal ring
SG-610-60	- clip for cord
SG-610-70	- handle with saw mounting device

included in delivery	
complete set SG-610-11 220 V	1 x SG-600-01, 1 x SG-610-01, 1 x SG-610-20, 1 x SG-610-50, 1 x SG-610-51, 2 x SG-610-55, 4 x SG-610-60, 1 x SG-610-40, 1 x SG-610-35, 1 x SG-610-30
complete set SG-610-12 120 V	1 x SG-600-02, 1 x SG-610-02, 1 x SG-610-20, 1 x SG-610-50, 1 x SG-610-51, 2 x SG-610-55, 4 x SG-610-60, 1 x SG-610-40, 1 x SG-610-35, 1 x SG-610-30
upgrade set SG-610-16 230 V	1 x SG-610-01, 1 x SG-610-20, 1 x SG-610-50, 1 x SG-610-51, 2 x SG-610-55, 4 x SG-610-60, 1 x SG-610-40, 1 x SG-610-35, 1 x SG-610-30
upgrade set SG-610-17 120 V	1 x SG-610-02, 1 x SG-610-20, 1 x SG-610-50, 1 x SG-610-51, 2 x SG-610-55, 4 x SG-610-60, 1 x SG-610-40, 1 x SG-610-35, 1 x SG-610-30



Set recommendation:
SG-610-11 (without table).
Changes of the standard
configuration are possible.