


## 6.2 Suction

Putting the suction into operation requires the actuation of rocker switch 2  in accordance with the label on the control panel.

The "exhauster" or ventilator is maintenance-free and characterised by its long service life and quiet operation




**Important! Only ever have defects or faults rectified by the manufacturer, Helmut Klein GmbH. In the event of non-compliance, all guarantees and liability for defects become null and void.**

## 6.3 Polishing motor

Your polishing machine 7224 is equipped with the most powerful single-spindle electric motor in its class (0.5 HP). In spite of its high power, this motor is characterised by its extremely quiet running and optimal torque. The motor is maintenance-free and, based on experience, we can confirm long-term, trouble-free operation.



**We would like to point out that, in the event of long periods of polishing work, the motor can heat up to 85°C. This is normal and influences neither the performance nor the service life of the motor.**

To startup the polishing motor please switch on the rocker switch for motor with the picture  on the control panel.



**Attention ! The polishing motor will run up immediately with 300 rpm.**

The regulation takes place by turning the Poti to the right side. Please take the suitable speeds from page 5 (speed table polishing machine 7224 ).

Any time the speed can be adjusted by turning during the run of the engine.

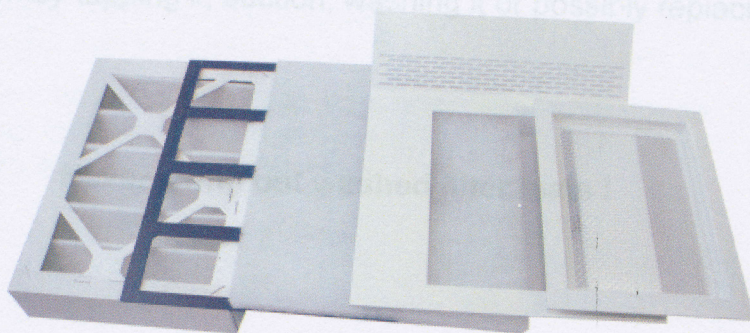




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## 6.4 Filter system

### 6.4.1 Structure of filter system (per side)



With our polishing machine 7224 we have brought into use a new and extremely efficient filter system which enables us to filter out in excess of 90% of fine dust particles.

Explanation of filter from left to right.:

1.Z-Line Filter  
folded

complete frame made of cardboard with woven filter mat, filter class G4, DIN EN779

2.Filter mat holder  
and

made of coated metal, as intermediate layer protection for pre-filter and filter cassette

3.Fine filter  
779

made of artificial fibres according DIN EN  
Dimensions: 210x 260 x 20 mm

and can

Residues of precious metals are held here  
be shaken out if required.

4.Filter cover plate  
suction

made of painted iron, on rear with small  
holes to filter out coarse dirt

5.Suction grating  
particles

filter cover to immediately filter out coarse  
of dirt during suction

The filter material is manufactured according to currently valid regulations governing health and safety at work and disposal, and fulfils the relevant requirements.



**Make sure the dense side of the fine filter mat is inserted pointing downwards.**



## 6.4 Filter system

### 6.4.2 Cleaning the filter

Remove the suction grating (pre-filter) and clean off any coarse dirt and fibrous material. Should the net be torn, we recommend replacing it.

Now reach through the hole and pull the filter cover plate forwards at an angle out of the working area. Clean off any coarse dirt and dust.

Next pull the fine filter out of the opening and clean it according to the level of contamination by tapping it, suction, washing it or possibly replacing it.



**Never wring out washed filter mats !**

Now remove the filter mat holder and remove any contamination if necessary.

Finally, remove the complete frame with the Z-Line filter from the housing and clean this filter if necessary by tapping, suction or possibly replacing it.

Rebuilding takes place from bottom to top, starting with the complete frame and ending with the suction grating. Please ensure that all parts are replaced in the correct order and so they fit into the frame.



**Poor cleaning or too infrequent replacement of the filter mat can have a detrimental effect on suction.**



**During installation, preparation and or modification of the device, we would ask you to ensure that the mains plug has been disconnected and the green rocker switch is in the "zero setting".**

The filter material that we use is harmless to health and the environment, silicone-free, fully reducible to ashes, temperature resistant up to 80°C, self-extinguishing as per DIN 53438/F1, moisture resistant up to 100% RH.



The German Electrical and Electronic Equipment Act (Elektrogesetz, ElektroG) implements, amongst other things, the European WEEE Directive 2002/96/EC in German law. It imposes on manufacturers of electrical and electronic equipment the responsibility for an environmentally-friendly equipment design and an obligation to accept returns of old equipment for correct disposal.

Helmut Klein GmbH has been registered for many years and responsibly reports its devices annually. We do everything possible to keep recycling costs to a minimum, in order to pass the resulting benefits on to our customers and to society in general.

For this reason, we would also ask you, once you reach the point of having to dispose of this device, not to put into the general waste, but to deliver it to the disposal centre responsible for old electrical equipment.

Thank you !



WEEE- Reg.-Nr.: DE51617604

We hope you enjoy using your new polishing machine 7224 !

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