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INSTALLATION & OPERATING INSTRUCTIONS

TSHS EXTRACTOR

The TSHS Dust Extractor has been designed specifically for use with fret saws requiring dust extraction in line with HSG258 Guidelines. The TSHS has a primary dust separator in the form of a cyclone, which removes the bulk of the extracted dust, leaving relatively clean air to pass through a secondary cartridge filter, thus extending filter life.

The TSHS has exceptionally low noise characteristics for use within the classroom and is designed for use with fine dusts. Warm air is returned to the classroom being sympathetic to environmental issues.

A complete installation service is available by Technology Supplies Engineers.

General Information:

Machine Width	900mm
Machine Depth	500mm
Machine Height	595mm
Filter area	2.3m ²
Capacity of Dust Tray	2.6 litres
Inlets	2 x 50 mm diameter ports
Gross weight	62 kg
Motor power rating	0.55Kw (0.75hp) 230/1/50
Full Load Amps	1 Phase = 3.5A
MCB	10A Type C
Starter	Included

Safety:

Ensure the power supply is isolated before carrying out any electrical or maintenance work. Electrical work should only ever be undertaken by a competent person in accordance with current regulations

Installation

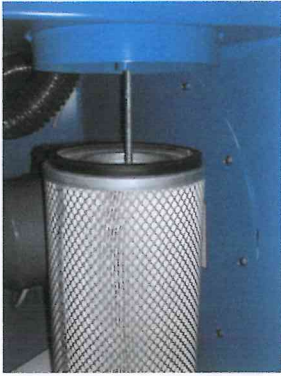
1. Locate the Extractor under the Work Bench or adjacent to the machines that require extraction. Remove the dust tray from beneath the cyclone separator and rotate through 180 degrees and re-fit clips so that handle faces outwards.
2. Connect the extractor ports to the machines requiring extraction with the appropriate flexible hoses. Hose connections are on the side of the silver coloured cyclone unit, ports face rearward. (Hose kits sold separately)
3. It is important to have hoses connected to both inlets. Do not blank off one inlet if only extracting from one machine. Air must be able to enter both inlet ports to achieve efficient cyclone action. Blanking ports off will seriously impede cyclone performance.

Regular Maintenance

1. Check the dust tray and empty its contents daily. This operation must be carried out with the fan stationary. Run down time of the fan is approximately 60 seconds from pressing the stop button.
2. Do not allow the extractor to over-fill with dust as this will reduce the filter life.
3. When emptying the dust collection tray place it inside a polythene bag to reduce any dust cloud as it is emptied. A face mask and goggles must be worn before carrying out this operation.
4. Check the cartridge filter monthly (or when extraction performance has dropped off). Ensure the Extractor and any other machines connected to it are isolated from its power supply before carrying out this operation. The cartridge filter is located behind the motor cover. Remove the 4 bolts holding the cover in place and remove the centre spindle of the filter. (See photograph) Empty out any dust from within the filter. A face mask and goggles must be worn before carrying out this operation. If the filter is blocked, a new filter will be necessary. Please contact Technology Supplies for spares. No tools are required to remove/ re-fit the cartridge filter as it is held in place with a wing nut beneath the filter.



Cartridge Filter Location Inside Motor Cover



Cartridge Filter Re- Fitting

Note the tube guide in the centre of the filter holder to aid filter fitting.

5. Periodically check the inlets of the extractor for splinters that may impede air flow and restrict system performance. Ensure the Extractor and any other machines connected to it are isolated from its power supply before carrying out this operation.
6. Refer to "Extractor Weekly Inspection and Maintenance Log" supplied with the extractor for further checks to hoses, ducting and electrics.
7. All Dust Extractors require a COSHH Test by a competent Engineer at least every 14 months. Most establishments carry out COSHH Inspections on an annual basis i.e. every 12 months.

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