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INSTALLATION & OPERATING INSTRUCTIONS

TSPL EXTRACTOR

The TSPL Dust Extractor has been designed specifically for use with machines which produce bulk waste such as Planers and Wood Lathes in line with HSG258 Guidelines. However it may be used for other similar applications and offers the designer a realistic alternative to a Centralised Ducted System.

The TSPL has exceptionally low noise characteristics for use within the classroom and is designed for use with coarse dusts, hence the large collection bin capacity and the comparatively low footprint area of the machine.

Warm air is returned to the classroom being sympathetic to environmental issues.

Extraction Kits for Planers and Wood Lathes are available from Technology Supplies for installation by our engineers. Please specify inlet port diameters, locations (LHS/RHS) and lathe / planer model at time of order placement.

General Information:

Machine Width	600mm
Machine Depth	760mm
Machine Height	2400mm inc. motor
Filter area	1.6m ²
Dust collection bin capacity	150 litre bin lined with a disposable Polythene Bag
Inlet sizes(standard)	1 x 120mm diameter port one side only. OR 2 x 100mm diameter ports, one either side.
Gross weight	132 kg
Motor power rating	1.1Kw (1.5hp) 230/1/50 or 400/3/50
Full Load Amps	1 Phase = 7A, 3 Phase = 2.5A
Filter Condition Monitoring	Differential Pressure Gauge Across Filters
MCB	16A Type C
Starter	Included
ATEX Explosion Relief Panel	Optional: A Certified Explosion Vent Relief Panel is available to order if required to meet local authority or HSE requirements.

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 next to the Planer or Wood Lathe or other machines which require extraction.
2. Connect the hose(s) to the extractor using a suitable extraction hose kit. Specific kits are available from Technology Supplies for installation by our engineers for connection to a range of planers and wood lathes.
3. The extraction unit must be connected to the power supply via the thermal overload, no volt release coil contactor supplied. (as per BS7671 2008 IEE wiring regulations, Seventeenth Edition) Note: The supply should be tested prior to final connection and electrical works should only be undertaken by a competent person.
4. Fan rotation should be checked according to the direction indicator arrow fitted on the motor. Note: The fan will only perform to 40% of its capacity if it runs in reverse.

Regular Daily Maintenance

1. Check collection bin and empty contents daily. This operation must be carried out with the fan stationary. Run down time of the fan is approximately 45 seconds from pressing the stop button.
2. Tie up and withdrawing the Collection Bin liner from the bin. To simplify this operation, tilt the bin on its side to allow air past the bag as it is pulled out!
3. Do not allow the extractor to over-fill with dust as this will in time reduce the filter life.
4. The pressure gauge on the front of the extractor indicates the pressure drop across the machines filter. When the extractor is running the pressure registered on the gauge should be between 0 – 4 inch H₂O. Higher values may occur from time to time but if they appear persistently, a replacement filter may be required.
5. Periodically check the inlets of the extractor for splinters that may impede air flow and restrict system performance. Ensure the machine is 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.

TSPL EXTRACTOR



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TSPL EXTRACTOR PERFORMANCE

