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## INSTALLATION & OPERATING INSTRUCTIONS

### TSCS CIRCULAR SAW EXTRACTOR

The TSCS Circular Saw Extractor is specifically designed for use within the classroom where low noise requirements prevail. It alleviates the need for a Run-Off table behind the saw (a legal requirement) and maximises the floor space.

The Extractor is simple to install and can be fitted with an optional ATEX Compliant Explosion Relief Panel for use with fine dusts dependant upon the requirements of the local authority or the HSE.

A range of Circular Saw Extraction Kits are available for installation by Technology Supplies engineers. Please specify saw model number at time of order placement if this service is required.

#### General Information:

|                             |  |
|-----------------------------|--|
| Floor area of unit          | 795mm x 1250mm   |
| Table Top size              | 815mm x 1420mm   |
| Table height adjustment     | 840mm to 940mm above floor level   |
| Filter area                 | 1,7m <sup>2</sup>  |
| Capacity of Dust Tray       | 40 litres  |
| Inlet sizes                 | Saw 150mm and Crown Guard 80mm diameter  |
| Gross weight                | 137 kg   |
| Motor power rating          | 1.5Kw (2hp) 400/3/50 or 230/1/50   |
| Full Load Amps              | 1 Phase = 9.6A, 3 Phase = 3.2A   |
| MCB                         | 16A Type C   |
| Starter Control             | Included with the extractor loose.   |
| 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. Decide if the Table Top requires cutting down to size to suit the location.
2. Fit the Table Top to unit with the screws supplied.
3. Level the Table Top with adjusting threads under the bench top to ensure it is level with Circular Saw.
4. 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.
5. Fan rotation should be checked according to the direction indication arrow on the motor. Note: The fan will only perform to 40% of its capacity if it runs backwards.
6. Connect the ductwork for the crown guard and saw base extraction ports to the correct inlet ports on the extractor inlet plates, including any adaptors required.

## Regular Daily Maintenance

1. The filters should be cleaned daily by vigorously rotating the cleaning handles on the front of the extractor for at least 20 seconds. This operation must be carried out with the fan stationary. This will allow air borne dust within the extractor to settle and ensure adequate filter cleaning. Run down time of the fan is approximately 45 seconds.
2. Allow a minimum of 30 seconds after cleaning for dust to settle before opening the dust tray drawer or restarting the extractor. Do not allow the extractor to over-fill with dust as this will in time reduce the filter life.
3. Periodically check the inlets of the extractor for splinters that may impede air flow and restrict system performance. Ensure the saw is isolated from its power supply before carrying out this operation.
4. Refer to "Extractor Weekly Inspection and Maintenance Log" supplied with the extractor for further checks to hoses, ducting and electrics.
5. 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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