

# *The Woodwork Dust Control Co Ltd*

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## *A Complete Wood Waste Extraction Service To All Timber Industries*

### WOODWORK WV2 VACUUM UNIT

#### OPERATING INSTRUCTIONS

##### INTRODUCTION

Our Woodwork WV2 vacuum dust extractors are ideally suited to the small to medium sized woodworking shop which requires a high degree of ambient air cleanliness and efficient waste collection within a realistic budget. They are particularly suited to smaller hand power tools which generally have a relatively small bore waste outlet which requires a higher degree of vacuum pressure than conventional larger bore outlets on fixed woodworking machinery.

The extractors can be used as mobile units simply connected to each dust producer in turn as it is used. In a larger workshop a small fixed ductwork system can be installed, often at bench level, such that the WV2 unit can simultaneously extract from 2 or more dust producers.

The WV range has been carefully designed and manufactured to give long satisfactory service. It will prove very worthwhile to spend a few minutes reading the following before using the unit.

Vacuum extractors are generally considered to be the safest and most efficient form of dust control, especially when dealing with the very fine dust particles associated with hardwoods and MDF. The WV2 achieves this degree of filtration by utilising 3 filter stages. Waste material is collected in the cylinder and may be emptied when necessary preferably in the open air. A balanced vacuum kit is available which enables a polythene collection bag to be placed in the bin such that the waste may be safely emptied in the working environment.

The hose provided is a standard diameter (102mm) which is an International Standard used on the majority of wood working machines which the units will be attached to. In general this hose can be fitted to the extraction chute fitted to your dust producer

Many other sizes of hose and a wide variety of adaptors are available. Should you require special fittings for your particular usage, please consult Woodwork Dust Control.

##### POWER CABLE

Please ensure that the power cable of your machine is fitted with a suitable electric plug compatible with your power outlet. If the plug supplied is not suitable for your power outlets, it should be cut off and an appropriate plug fitted. The removed plug must be destroyed as a plug with bare wires can be hazardous if engaged in a live socket.

The wires in the main lead are coloured in accordance with the following code:-

BLUE = NEUTRAL  
BROWN = LIVE  
GREEN/YELLOW = EARTH

The wire which is coloured **BLUE** must be connected to the plug terminal marked with the letter **N** or coloured **BLACK**.

The wire which is coloured **BROWN** must be connected to the plug terminal marked with the letter **L** or coloured **RED**.

The wire which is coloured **GREEN/YELLOW** must be connected to the plug terminal marked with the **E** or coloured **GREEN**.

**NOTE:** For UK type always use 13amp fuse approved by ASTA to BS1362 i.e. carries the ASTA mark.

Always re-fit the fuse cover when checking or changing the fuse. If you break or lose the cover you must obtain a new one from your dealer before using the appliance.

Replacements must be the same colour as the original. Always quote the fuse holder colour when ordering spares. This colour is started on the plug base in words or shown on the plug by a coloured insert.

## MAINTENANCE

The WV Range is designed to require minimum maintenance and provided the filters of the unit are kept in good order, your extractor should require little further attention.

## FILTERS

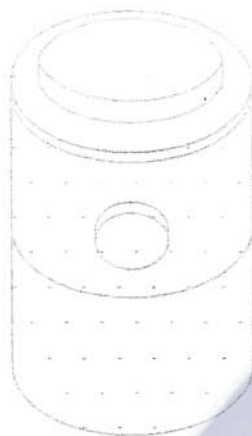
Your extractor is fitted with three stages of filter to ensure optimal dust removal:-

**1. DRUM FILTER** - (Large Cloth Filter) this filter is the primary or first stage of the filtration system and is stretched over the rim of the drum so that when to motor unit (lid) is fitted the motors are inside this filter. The filter should be shaken before removal, allow a few minutes for the dust to settle into the waste sack before removal. The filter should be checked each time the machine is emptied and excess dust brushed or preferably vacuumed from the surface.

**NOTE:** You may use your extractor to vacuum the primary filter in the following way:-Once you have decided that the secondary or paper filters are to be renewed, remove the primary filter and then replace the motor unit with the soiled paper filters still attached. Use the extractor to vacuum clean the primary filter. Empty the drum of waste, replace the secondary filter (see below) and then re-fit the cleaned primary filter and the motor unit with its new paper filters. This filter (Part No. WVH128) must be renewed if damaged.

**2. SECONDARY FILTER** - Each motor is fitted with a filter cage over which are stretched two further stages of filter. The paper filters are manufactured from specially treated paper which is designed to trap extremely fine dust particles. These filters should be checked each





### WOODWORK WV2 EXTRACTION FILTER UNIT

Volume	109 litre/sec (392 m <sup>3</sup> /hr)	Diameter	460 mm
Fan Motor	2 X 1KW 240V 1PH 50HZ	Also available	110 v
Storage	90 Litres	Weight	22 kg
Max Pressure	2500 mm (WG)	Inlet Size	102 mm Dia.
Endurance	Continuous for 3 hours	Height	584 mm

The WOODWORK WV2 is a drum type extractor ideal for applications where a relatively small volume of waste is produced and a high vacuum pressure is required such as hand tools having a small bore outlet.

The drum is of robust steel construction and the motors require a single phase electrical supply. Mobility can be provided by an optional castor set or heavy duty barrow. The unit can be attached to a small ductwork system to extract from a number of machines. A heavy duty cleaning kit can be supplied as an accessory for general vacuum cleaning. The unit is supplied with 2.5m of 4" (102mm) flexible hose and is suitable for MDF/hardwood.

### ACCESSORIES

WV2 Unit

Castor set

Barrow

Filters (pack 5)

Cleaning kit inc 5m hose

Misc adaptors/fittings @ 32/38/51/63.5/102mm