



Woodworking machinery at its best!

**MICRO CLEAN AIR FILTERS
OWNERS MANUAL**

MODELS - MC200, MC420, MC760 & MC1210



MC200



MC760



MC1210



MC420



**Charnwood, Cedar Court, Walker Road,
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GENERAL SAFETY RULES



WARNING: Do not attempt to operate the machine until you have read thoroughly and understood completely all instructions, rules, etc. contained in this manual. Failure to comply may result in accidents involving fire, electric shock, or serious personal injury. Keep this owner's manual and review frequently for continuous safe operation.

1. Know your machine. For your own safety, read the owner's manual carefully. Learn its application and limitations, as well as specific potential hazards pertinent to this machine.
2. Make sure all tools are properly earthed.
3. Keep guards in place and in working order. If a guard must be removed for maintenance or cleaning, make sure it is properly replaced before using the machine again.
4. Remove adjusting keys and spanners. Form a habit of checking to see that the keys and adjusting spanners are removed from the machine before switched it on.
5. Keep your work area clean. Cluttered areas and workbenches increase the chance of an accident.
6. Do not use in dangerous environments. Do not use power tools in damp, wet locations, or expose them to rain. Keep work areas well illuminated.
7. Keep children away. All visitors should be kept a safe distance from the work area.
8. Make workshop childproof. Use padlocks, master switches and remove starter keys.
9. Do not force the machine. It will do the job better and be safer at the rate for which it is designed.
10. Use the right tools. Do not force the machine or attachments to do a job for which they are not designed. Contact the manufacturer or distributor if there is any question about the machine's suitability for a particular task.
11. Wear proper apparel. Avoid loose clothing, gloves, ties, rings, bracelets, and jewellery which could get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.
12. Always use safety glasses. Normal spectacles only have impact resistant lenses. They are not safety glasses.
13. Do not over-reach. Keep proper footing and balance at all times.
14. Maintain the machine in good condition. Keep the machine clean for best and safest performance. Follow instructions for lubrication and changing accessories.
15. Disconnect the machine from power source before servicing and when changing the filter.
16. Do not use any power tools while under the effects of drugs, alcohol or medication.
17. Always wear a face or dust mask if operation creates a lot of dust and/or chips. Always operate the tool in a well ventilated area and provide for proper dust removal. Use a suitable dust extractor.

Specifications

	MC200	MC420	MC760	MC1210
Motor	53W 240V	60W 240V	100W 240V	90W 240V
Flowrate	200m ³ /hr	400m ³ /hr	780m ³ /hr	1200m ³ /hr
Max Workshop Volume	20m ³	40m ³	78m ³	120m ³
Filtration Efficiency	95% @ 2 micron 80% @ 1 micron 65% @ 0.4micron			
Media Standard	EU4 Standard G4 Filter Media			
Dust Holding Capacity	500gm per m ²			
Noise Level	60db	64db	63db	68db
Dimensions WxDxH	205 x 205 x 180mm	202 x 205 x 250mm	300 x 120 x 300mm	305 x 305 x 280mm
Net Weight	3.3kg	4kg	5.9kg	8kg
Rating	Hobby	Hobby	Hobby	Hobby

Micro clean air filters are designed to remove airborne dust particles from the air in the workshop. They are compact, lightweight and very quiet in operation. They are capable of running for long periods of time while you work, and for best results, left running for a period after the dust producing activity has finished. When in operation they quietly clean and filter the air, trapping dust particles in the filter medium.

The air cleaner should be used in conjunction with a dust extractor for maximum dust control. You should also consider using a face mask when creating particularly fine dust.

Unpacking

Remove the Air Filter from its packaging together with the 1m power lead. Connect the lead to the Euro socket on the filter case. The socket incorporates an illuminated ON/OFF switch.

Siting the Air Filter

MC200 – Has an airflow rate of 200 cubic metres per hour. Designed to sit on a shelf or bench. Locate either in the centre of the room to create best airflow, or closer to the source of dust in order to filter it out as quickly as possible.

MC420 – Has an airflow rate of 400 cubic metres per hour. Designed to be suspended from the ceiling in the centre of the room or directly above where the dust is being created. Dust contaminated air is drawn into the sides and bottom, through the filter media which traps the dust within and then the clean air is expelled through the vents around the top of the unit. Supplied with hanging chain.

MC760 – Has an airflow rate of 780 cubic metres per hour. Designed to sit on a shelf or bench, or be wall-mounted. Locate either in the centre of the room to create best airflow, or closer to the source of dust in order to filter it out as quickly as possible. Supplied with a carry handle.

MC1210 – Has an airflow rate of 1200 cubic metres per hour. Designed to be suspended from the ceiling in the centre of the room or directly above where the dust is being created. Dust contaminated air is drawn into the sides and bottom, through the filter media which traps the dust within and then the clean air is expelled through the vents around the top of the unit. Supplied with hanging chain.

Using the Air Filter

Always start the Air Cleaner before commencing any dust-producing activity and whenever possible allow it to continue running for an hour afterwards.

When to replace the Filter Media

With a clean filter fitted, run the motor and place a piece of paper approximately 50mm/2 in square across the face of the air inlet partially blocking it. Switch off the filter and time how long it takes for the paper to fall away. Make a note of that time. Repeat the process at weekly intervals until the paper is held in contact for approximately half of the original time. The filter media is then due for replacement. Always use the same size/type of paper and position it in the same position for every test.

Replacing the Filter Media

The filter media should not be rinsed or washed in water. If it has become blocked it can be lightly vacuumed, without distorting the fibres, but in most cases, it will need replacing.

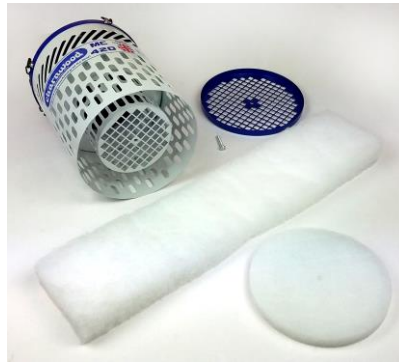
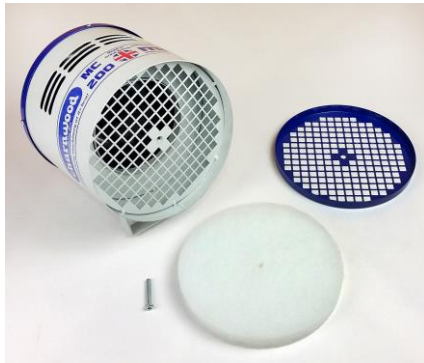
Disconnect the Unit from the power supply.

For MC200, MC420 & MC1210 Filters:

Remove the inlet grill by unscrewing the single Allen-headed bolt holding it in position.

The filter media can now be replaced, they can be fitted any way up.

The bolt is pushed through the new media and the grill is then re-attached.



For MC760 Filters:

Remove the square inlet grill by loosening the two Allen-headed bolts, one on either side, holding it in position.

Replace the filter media and re-attach the grill.

The Filter Media can be fitted any way up.

Declaration of Conformity for CE Marking



The manufacturer declares that models MC200, MC420, MC760 & MC1210

Conform with the following Directives:

Machinery Directive 2006/42/EC

Low Voltage Directive 2014/35/EU

And further conforms to the following EU harmonised standard: EN60335-12012/A11:2014

	<p>Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.</p> <p>Do not dispose of electric tools together with household waste material! In observance of European Directive 2002/96/EC on waste electrical and electronic equipment (EEE), electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.</p>	
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