

At MICRONAIR our total focus is on designing and building the best systems to efficiently extract and capture Dust, Fibers and Fumes.



Flexible design means better results

We custom match fan types, motors, types of filter media with waste bin sizes and waste storage bins. This flexibility allows us to efficiently meet individual demand levels and special requirements.



Energy saving options

Keen to save Energy? MICRONAIR's OPTI-FLOW system delivers savings typically around 50%. At the heart is a Variable Speed Drive to automatically monitor and optimize airflow in the extraction trunks. This can be combined with manual shut-off gates or OPTI-FLOW electric auto gates linked to the machines power supply.



Australian designed and manufactured

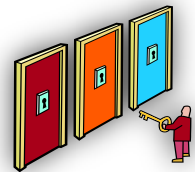
MICRONAIR design and manufacture our Extractors here in Australia and have a 15 year track record and experience in this market. In addition to Extractors we supply a full Ducting design and install service.



Our basis for selection. A professional calculation



Our specialized software is the basis for our Extractor Model and Fan & Motor selection. It performs its calculation based on the machines to be connected, their simultaneous use (%) and their individual airflow and air-speed requirements. From this the optimal main trunk diameter is also calculated. It is important this is correct!

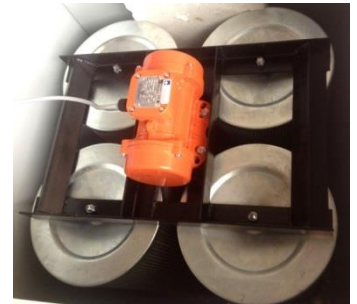


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VIBRA-CLEAN



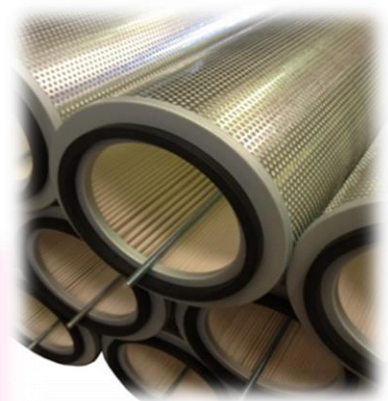
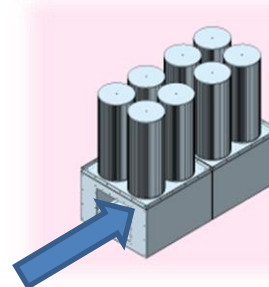
VIBRACLEAN models clean the Filter Cartridges automatically when the Extractor shuts down. No Operator intervention needed! This 'off-line' cleaning suits applications with light to medium dust loads. Large volumes of dust laden air are handled with a minimal Extractor footprint thanks to the large filter areas achieved through the pleated profile. The efficient Vibration 'shake' cycle can be varied in duration and intensity plus start delay to suit your application.



The Cartridge filters are tough spun bonded Polyester with a filtration capability below 1 Micron (1/1000th of a Millimeter!) to ensure a clean, safe working environment. They are encased in heavy perforated metal cylinders to maintain shape and prevent large waste particles entering the pleats. Durable and washable – these Cartridges offer you a long and efficient service life.

Dirty air enters an expansion chamber below the filters which immediately and effectively separates the heavier waste straight into the collection bins and then circulates the fines in a spiral motion across the filters. This is a very important advantage as it stops these fines being entrained in the filters.

It all works!



High efficiency Fan and Motor

We use WEG motors throughout our range. MEPS energy efficiency rated motors. High efficiency backward swept fans. Low noise, higher volumes with reduced power consumption



Built to perform. Built to last.

Galvanized steel panels, powder coated for extra corrosion protection. Galvanized fan casing. Stainless steel fittings. Laser cut precision for air-tight assembly. A dedicated and specialized Production Team.

It all adds up to a professionally built Extractor

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CLEAN-FLOW

ULTRA-FLOW

VIBRA-CLEAN

ECO

VIBRA-CLEAN

Wheelie Bins – quick and easy

Our wheelie bin system ensures simple efficient waste collection and feature our 'quick-lock' release and replace system. This is based on location guides and an effective Cam Lock that takes the guess work out of Bin alignment.

The bins can be used with or without bin liners.
 Standard bin size is 240 liter with other sizes on request.

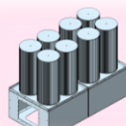
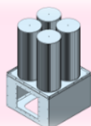
You're in Control

An automatic Star /Delta starter of the fan via manual control switch is standard supply. The auto timer ensures the filters are cleaned by high frequency vibration only after the fan has come to a complete stop. Duration of the cleaning cycle and this time delay is fully variable to fine tune the system to your workshop needs.



MODELS

	EC4S	EC4	EC8S	EC8
Filter cartridges	4 short	4	8 short	8
Filter area sq. meters	34	68	68	136
Height mm	2500	3550	2650	3550



FAN PERFORMANCE

Power KW	5.5	7.5	11	15	18.5
AIRFLOW cubic m/hour	2100 to 3230	5500 to 8200	7900 to 10045	11000 to 14000	9900 to 20000
PRESSURE Pascal's	3800 to 4300	2850 to 3250	2700 to 3400	2900 to 3500	2000 to 5400

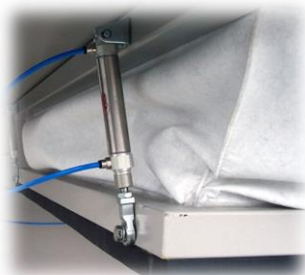


VIBRA-CLEAN

OPTIONS:

Dump Bins for larger volumes

When waste volumes are higher our Dump Bin system is the answer. The 'quick fit' pneumatically operated seal is designed to fit your choice of Dump-Bin from 1.5 to 3 cube. Bins are released and resealed at the flick of a switch.



'Outside' kit

A galvanized and powder coated Filter enclosure with Louvre air venting option allows you to position your 'EC' outside.

Silencer

In particularly noise sensitive situations a Silencer can be added prior to the air intake into the Fan



Opti-Flow Controller. Replaces standard Control.

A VSD (Variable Speed Drive) is the best way to control a fan motor as there is great flexibility with parameters to control start up, power overload control and the speed of the fan all of which greatly affect your electrical consumption.

The MICRONAIR Opti-Flow purpose designed Controller automatically controls the fan speed to maintain constant flow in the duct while making very significant savings in electrical consumption.



OPTIFLOW Auto shut-off gate

Micronair's OPTIFLOW gates automatically shut off air-flow from your machinery outlets when the machine is shut down. They don't rely on your operators remembering to do this. And they open them again automatically on start-up too. This increases system efficiency dramatically.

OPTI-GATES shut the air-flow in a controlled way via an electric motor drive. No sudden 'shut-offs' like pneumatic gates

