

Filterless Extract Fan

WC, Bathroom & Kitchen Fan



The EnviroVent Filterless Extract Fan is a major advancement in extract fan technology and has been designed to deliver the lowest possible maintenance, the lowest long term life cycle costing and lowest performance/energy costs.

Features

- Unique patented cartridge system
- Filterless technology
- Ultra Low Watt EC Motor Technology
- Patented helical power expansion chamber
- Maintenance free carcass
- Automatic vapour tracking function
- SELV model available
- On going 5 year guarantee

Benefits

- Fan for life
- Versatile and flexible
- Ideal for all applications
- Environmentally friendly
- Low maintenance
- Low life cycle costings
- Spectacular performance
- Designed for the life of the building
- Easy to clean
- Whisper quiet running

Lowest Maintenance

By 'designing out' the requirement for filtration and by ensuring a smooth uninterrupted passage of contaminated air through the fan scroll, from the dwelling to atmosphere, we are able to issue a sustainable five year, no quibble warranty. The unique protection afforded to delicate, internal components and electrical connections, together with use of the highest quality bearings are further quality measures which ensure the EnviroVent Filterless Extract Fan will perform to specification well beyond it's guarantee period.

Low Long Term Life Cycle Costings

All repair, maintenance and component replacement is carried out simply and quickly by exchanging the plug out/plug in central cartridge. By focusing on this rapid, internal unit exchange, all other considerations which normally have to be taken into account when a fan is exchanged become irrelevant. There are no redecoration issues or wiring alterations and replacement can be carried out – in seconds – by non-electrically qualified staff.

This 'when necessary' cartridge exchange – with re-worked components will ensure that the basic fan installation will remain intact throughout the repair cycle of the dwelling, eliminating the wasteful disposal of plastic and other non biodegradable material to landfill sites.

Low Performance & Energy Costs

Using the advanced EnviroVent Ultra Low Watt Brushless EC Motor, the fan achieves exceptional levels of energy use and is up to 80% more efficient than a traditional AC fan.

One Fan For All Situations

From simple through the wall installations to complex ducting/bend systems the EnviroVent Filterless Extract Fan will deliver the performance to meet building regulations and beyond.

This filterless fan concept has allowed EnviroVent to create a product, free from all of the inherent problems associated with traditional extract fans.

The in-line centrifugal impeller with its unique helical power expansion chamber enables the unit to achieve power with efficiency and quietness in the most compact unit ever.

Number One Choice

The Filterless Extract Fan is now the first choice by over 400 Public Sector Housing Authorities including major procurement groups such as GM Procure and Fusion21.



"When considering the future responsive maintenance problems caused by traditional extract fans we could see the massive benefits which could be achieved by installing an extract fan designed to last the life of a building rather than just a few years. This decision means we will avoid thousands of fans ending up on landfill sites prematurely."

Dominic West, Category Manager of Value Works (GM and Fusion21's procurement partner).

Easy Cleaning

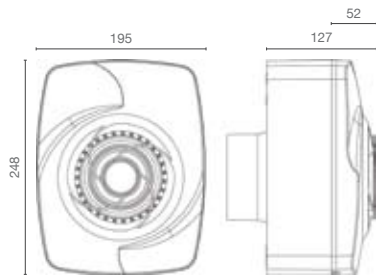
Simply remove the front cover and impeller in an instant. Clean them in warm soapy water and replace. No more unsightly fans with clogged filters.

Air Management

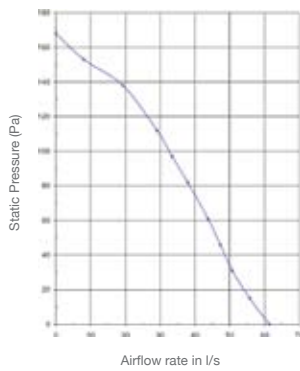
The spiral moulding matches the internal helix to ensure a smooth low turbulence passage of air from room to atmosphere.



Dimensions (mm)



Performance Curve



Running Costs

Trickle Setting
£1.31

All costs are based on an electricity cost of £0.15 per unit (kWh).

Household Appliance	Time required to consume £1.31 of electricity
Filterless Extract Fan	1 Year
Fridge Freezer	4.5 Days
21" TV (Viewing Time)	3.5 Days
100W Light Bulb	3.5 Days
Home Computer	26 Hours
Games Console	26 Hours
Iron	9 Hours
Tumble Dryer	3.5 Hours
Coldfill Dishwasher	4 Full Loads

Technical Specifications

Product
Innovative centrifugal extract fan unit which has been designed to deliver the lowest possible maintenance, the lowest long-term life cycle costs and the lowest energy costs.

Application Suitability
Can be wall, ceiling, window or duct mounted to meet the Building Regulations – Part F. The one fan will ventilate any domestic kitchen, utility room or bathroom and is supplied in a 230V or SELV format.

Performance and Sound Levels

Duty (l/s)	Power (watts)	Sound dBA @ 3 metres
15	2	30.8
30	7	36
60	26	46.2

Motor
Incorporates the Ultra Low Watt EC Motor Technology with sealed for life bearings designed to operate continuously at a pre set 'background' rate.

Fan
The fan is of filterless technology for ease of maintenance/cleaning. Forward curved centrifugal fan to provide increased airflow. The fan will allow a smooth uninterrupted flow of contaminated air through the fan scroll to atmosphere, without the need for filtration.

Servicing / Maintenance
Achieved by removal/exchange/replacement of central cartridge. Rear carcass remains in position ensuring minimal disruption to occupier and no electrical competence or re-decoration required. The fan can be cleaned by removing the quick release impeller.

Guarantee
Covered by an on-going, repeatable 5-year warranty, subject to the completion of specified maintenance.










Controls
Continuous running 2-speed* filterless fan with integral variable speed humidity tracking system. The fan should have a pull cord over ride for odour control.

Wiring
The fan is pre-wired with 1 metre of flexible cable to speed up installation. On the SELV version the fan is pre-wired with 5 metres of low voltage cable.

Accreditations
BEAB
CE

*Low voltage version for the SELV

Options & Ancillaries

Product 	Description 	EnviroVent Code 
	Remote Pullcord	EFHTCM-RC
	Remote Wall Switch	EFHTCM-WS
	Wall Mounted Kit	EFWAK
	Ceiling Mounted Kit	EFCMBR
	Window Fixing Kit	EFWIK
	In-line Fixing Kit	EFIL-WIK

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