

# FILTERLESS EXTRACT FAN

Filterless WC, Bathroom & Kitchen Fan



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## About

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 costings and lowest performance/energy costs.

## Features & Benefits

- **Intellitrac® intuitive humidity tracking**
- **Patented cyclone separation technology**
- **Ultra low watt motor**
- **Usage meter (optional)**
- **Designed for the life of the building**
- **Unique patented exchangeable cartridge system**
- **Automatic variable speed setting**
- **A fit and forget solution**
- **Low maintenance**
- **Low life cycle costs**
- **Easy Install**
- **On-going 5 year warranty**
- **SELV model available**
- **Ideal for all applications**
- **Designed for life of the building**
- **Easy to clean**
- **Whisper quiet running**



## Energy Saving Benefits

### ✓ 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 the delicate internal components and electrical connections, together with use of the highest quality bearings are further quality measures which ensure that the EnviroVent Filterless Extract Fan will perform to specification well beyond its guarantee period.

### ✓ Low Long Term Life-Cycle Costs

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.

## High Performance, Low Energy Costs

Using the advanced 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.



Wall



Ceiling



Window



In-Line

## Give It Your Identity

Specify the Filterless Extract Fan and you can have your own logo on the front of the fan.



## Easy Cleaning in 4 Steps

The fan has been designed for ease of cleaning and servicing in mind. That is why it can be carried out safely and quickly by the resident.

There is a small magnet which deactivates the fan as soon as the front grille is removed. The impeller can then be cleaned in a sink or dishwasher and the fan scroll can be wiped clean with a cloth quickly and easily.

Once the impeller is inserted again and the front grille replaced, the fan will continue to run as normal. 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.



## Intuitive Intellitrac® Humidity Tracking

Integral within the Filterless Extract Fan are the unique Intellitrac® humidity tracking controls, which constantly monitor the humidity level.

As humidity rises and falls, the motor speed rises and falls in direct correlation.

This controls condensation quietly and efficiently, eliminating the problem of 'nuisance running' and reducing the periods of time when the fan operates on maximum/boost to save energy.

## Ideal For...



## Annual Running Costs

All costs are based on an electricity cost of £0.15 per unit (kWh). These calculations must be used as a guide only.

### Settings

STANDARD	KITCHEN TRICKLE	KITCHEN BOOST	BATHROOM TRICKLE	BATHROOM BOOST
WATTS	2	25	1	7
Hours run per day	22	2	22	2
Energy cost p/a (£)	£2.41	£2.74	£1.20	£0.77
Total cost p/a (£)	£5.15		£1.97	

## Options & Ancillaries

DESCRIPTION	CODE(S)
REMOTE PULLCORD	EFHTCM-RC*
REMOTE WALL SWITCH	EFHTCM-WS*
WALL MOUNTED KIT	1RD EFWAK
CEILING MOUNTED KIT	1AC EFCMBR
WINDOW FIXING KIT (230V)	EFWIK 230V
WINDOW FIXING KIT (SELV)	EFWIK 12V
IN-LINE FIXING KIT	KITINLINEFAN

## Technical Specification

### 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 comply with current Building Regulations. The fan will ventilate

any domestic kitchen, utility room or bathroom and is supplied in a 230V or SELV format.

### Performance & Sound Levels

SETTING	Duty (l/s)	Power (W)	Sound dB(A) @ 3m
BATHROOM TRICKLE	8	1	30.8
KITCHEN TRICKLE	10	2	30.8
BATHROOM BOOST	32	7	36.0
KITCHEN BOOST	51	25	46.2

### Motor

Incorporates the Ultra Low Watt DC motor technology with sealed for life ball bearings designed to operate continuously at a pre-set 'background' rate.

### 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 redecoration required. The fan can be cleaned by removing the quick release impeller.

### Warranty

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 and Intellitrac® humidity tracking system. The fan should have either a pullcord override or optional wireless boost for odour control.

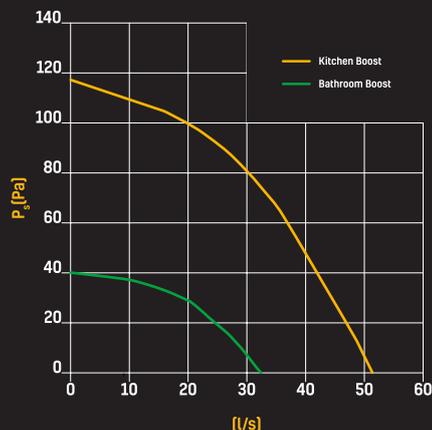
### Wiring

The fan is pre-wired with 1 metre of flexible cable to speed up installation. The SELV version is provided with a short length of low voltage cable. On the RC version the fan is pre-wired with 5 metres of volt free remote pullcord cable.

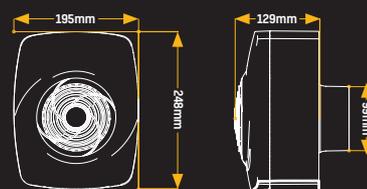
### Accreditations

Conforms to the requirements of the UK Building Regulations and the Technical Standards for Ventilation. Conforms to requirements of the EC council directives Relating to Electromagnetic Compatibility and Electrical Safety (LDV and EMC). CE Marked.

## Performance Curves



## Dimensions (mm)



\*Used with Remote Cord version

# envirovent®

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