



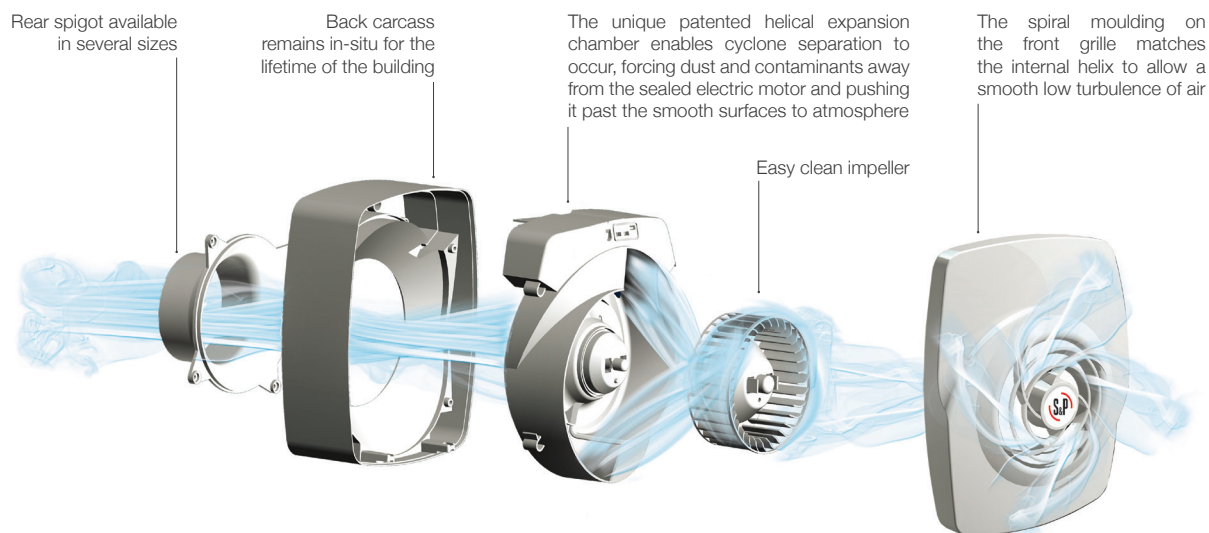
# About the Filterless Extract Fan



Filterless Extract Fan -  
How it works

The S&P Filterless Extract Fan has been designed to deliver the lowest possible maintenance, the lowest long term life cycle costing and the lowest performance/energy costs. The philosophy behind the development of this revolutionary application was to design a fan for life – not for landfill.

## Filterless Technology



## Lowest Maintenance

The S&P Filterless Extract Fan incorporates the latest patented Cyclone Separation Technology (no.0402041.8). As the contaminated air passes through the helical front grille it is centrifugally thrown outwards into two helical expansion chambers which allows the air to expand directly out to atmosphere.

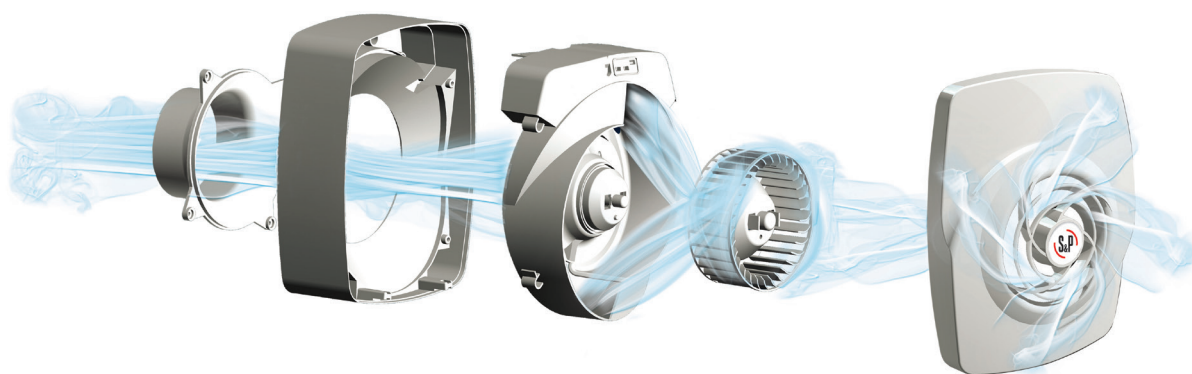
This unique process quietly takes most airborne contaminants with it out to atmosphere and negates the requirement for filters. Compare this with domestic fans where the air takes a tortuous route through the fan causing high resistance, noise and contaminants to stick to the fan and clog the filter, motor and controls.

Traditional fans quickly become clogged up resulting in costly on-going maintenance issues and eventual disposal to landfill. The S&P Filterless Extract Fan is designed specifically for the rigours of social housing where there is a need to remove moisture and improve indoor air quality for all in the property over the long term with minimal maintenance.

By designing out the requirement for filtration we are able to issue a sustainable five year 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 S&P Filterless Extract Fan will perform well beyond its guarantee period.



# About the Filterless Extract Fan



## Features

- ✓ 5 Year on going maintenance free warranty
- ✓ Ultra Low Watt DC Motor Technology (Made by S&P)
- ✓ Humidity Tracking System - Motor speed will quietly rise and fall in direct correlation with indoor humidity
- ✓ The S&P Filterless Extract Fan is suitable for kitchens and bathrooms and can be mounted on walls, windows and ceilings
- ✓ Rapid Cartridge exchange system
- ✓ Pre-wired with 1 metre of 3 core flex
- ✓ Switch fused spur and power supply unit supplied with surface mount back box at no extra cost (SELV version only)
- ✓ Designed to match the life cycle of the dwellings
- ✓ 100% Test Regime
- ✓ Installer Hotline and Gold Standard Service

## Benefits

- ✓ No maintenance costs for a minimum of 5 years
- ✓ Minimal running costs to the tenants (as low as €1.88 per year) from a motor which is designed and built to last for 5 years and beyond. Significant reduction in carbon emissions across the housing stock
- ✓ Eliminates nuisance running caused by humidistat fans. Also eliminates the requirements for remote sensors or triple pole isolators – saving time and money
- ✓ Reactive maintenance only need to stock one fan
- ✓ Fan replacement can be carried out in 5 minutes to minimise tenant disruption
- ✓ Independently tested for quality and electrical safety
- ✓ Speeds up installation times
- ✓ Saves time and money and eliminates the need for unsightly and bulky transformers
- ✓ Eliminates tonnes of landfill waste and millions of pounds in long term fan replacement and maintenance costs
- ✓ No faulty fans arriving on site
- ✓ On going site support to Client, Contractors, Sub Contractors and Tenant.



# Lifetime Analysis and Running Costs

Helping you save €Millions

## Low Energy Costs & Yearly Running Costs

Using the advanced S&P Ultra Low Watt EC Motor, the fan achieves exceptional levels of energy use and is significantly more efficient than a traditional AC fan.

Fan	Watts	Hours Run Per Day	Energy Cost P/A (€)	Total Energy Cost P/A (€)
Filterless Extract Fan on background trickle	1	22	1.50	2.47
Filterless Extract Fan - Bathroom setting on boost	7	2	0.96	
Filterless Extract Fan - Kitchen setting on boost	26	2	3.58	5.08



All costs are based on an electricity cost of €0.19 per unit of electricity. These calculations must be used as a guide only.

These costs are to be used as a guide only, all costs are estimates and will vary year on year depending on climatic conditions.

Lifetime Analysis & Running Costs

## S&P Filterless Extract Fan vs Traditional Extract Fans - Approximate 30 Year Life Cycle Costing Analysis

Total Cost 5 Year Preventative Maintenance Programme - For comparison purposes we assume:

- The labour only cost of new fan installation to be €125
- The labour only cost of replacement fan installation to be €62.75
- The labour only cost of S&P exchange cartridge to be €25

Years	Initial Cost EFEF		Initial Cost Traditional		Exchange EFEF		Replacement Traditional		Fan Installations	Total Per Fan
	Fan	Labour	Fan	Labour	Cartridge	Labour	Fan	Labour		
	€113	€125	€75	€150						
Interim Service - 5					€50	€25	€75	€150		
Interim Service - 10					€50	€25	€75	€150		
Interim Service - 15					€50	€25	€75	€150		
Interim Service - 20					€50	€25	€75	€150		
Interim Service - 25					€50	€25	€75	€150		
Traditional			€75	€150			€375	€750		€1125
EFEF	€113	€125			€250	€125				€613
Saving per period									1	€512



# Manufacturer's Warranty



## Guarantee

The **S&P Filterless Extract Fan** is covered by a full five year warranty which will benefit the occupier over many years.

In the event of any failure of the product within five years of supply - excluding only willful or careless damage - we will repair or replace any faulty component without charge. In addition, if the failure occurs within 12 months from the supply date, we will return to site to repair or replace any faulty component in-situ completely free of charge.

## Warranty Conditions and Exclusions

This guarantee for each unit is only valid if the following conditions are met.

- C1** The fan must be correctly installed and operated according to the instructions contained in the user guide
- C2** The warranty does not cover accidental damage, misuse or abuse
- C3** The warranty is in addition to your statutory or legal rights
- C4** The guarantee will only be honoured from approved suppliers

In the event that the fan requires servicing, maintenance or reaches the end of its useful life, the quick and simple cartridge replacement programme will ensure minimal disruption - no re-wiring, no drilling or dust.

The cartridge exchange will take approximately three minutes whether this is in one year, five years, ten years or longer.