



ecocanopy™ PHC Auxiliary Filter System

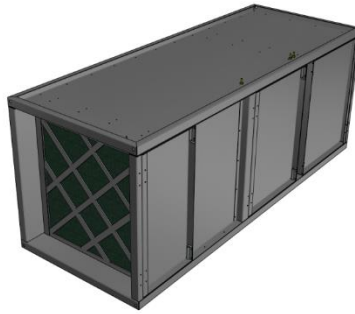


Figure 1. ecoshield™ PHC-1D(Access Panel can be left or right hand configuration)

Introduction

The ecoshield™ PHC is a packaged auxiliary filtration system incorporating multi stage arrestors for the capture of smoke, grease, oil mists and odours from kitchen exhaust systems. The PHC units are designed to meet the airflow requirements of each application and are available in a range of standard sizes. These units are intended to be used in conjunction with ecoshield™ UV systems. Each filter unit comes standard with AAF filters and pressure differential gauges.

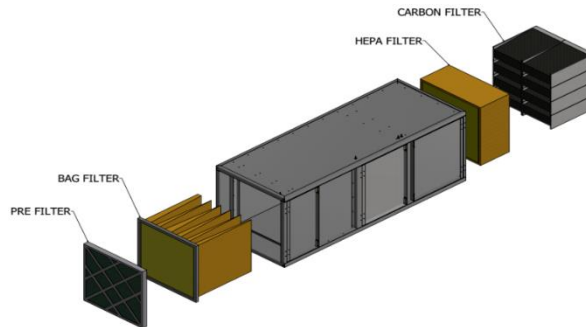


Figure 2. Four stage filtration

How it works

The ecoshield™ PHC filter consists of a 4 stage filtering layout. The Pre filter captures large particles, the Bag filter captures medium sized particles like ash, the EPA filter captures ultra-fine smoke particles and the Carbon filters remove any residual odours and ozone.

Maintenance

It is important that the disposable filters within the ecoshield™ PHC units are regularly inspected and replaced as needed.

Specifications

Auxiliary Filter Model	Volume Flow Rate	Recommended Initial Resistance	Recommended Final Resistance	Approx Sizes		
				L (mm)	W (mm)	H (mm)
Model	L/s	Pa (clean)	Pa (final)	L (mm)	W (mm)	H (mm)
PHC-1D	940	522	822	1840	695	730
PHC-2D	1890	522	822	1840	1400	730
PHC-3D	2830	522	822	1840	2050	730
PHC-4D	3780	522	822	1840	1400	1450
PHC-6D	5670	522	822	1840	1400	2200
PHC-9D	6610	522	822	1840	2050	2200

Efficiencies

Filter	Class	Efficiency
Panel	G4/MERV 7	50-70% @ 3-10 micron
Bag	F8/MERV 14	90% @ 1-3 micron
EPA	E11	95% @ 0.3 micron
Carbon	N/A	N/A

The ecoshield™ PHC is a fully *galvanised steel* fabricated *auxiliary filtration system*, designed and manufactured to be used with ecoshield™ UV systems and ecocanopy™ exhaust hoods.