

# ecocanopy™ PHC Auxiliary Filter System

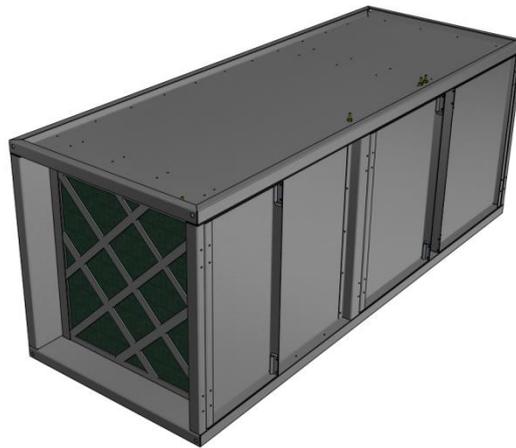


Figure 1. ecoshield™ PHC-1D( Access Panel can be left or right hand configuration)

## 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 Camfil Farr filters and pressure differential gauges.

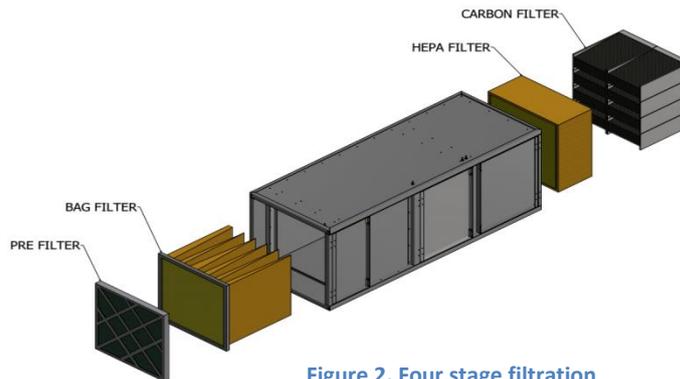


Figure 2. Four stage filtration

## 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 HEPA 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

<u>AUXILIARY FILTER MODEL</u>	<u>Volume Flow Rate</u>	<u>Pressure Drop Total</u>	<u>Approx sizes</u>
<u>MODEL</u>	<u>L/S</u>	<u>Pa (Clean)</u>	
PHC-1D	940	523	1840L x 695W x 730H
PCH-2D	1880	523	1840L x 1400W x 730H
PHC-3D	2700	523	1840L x 2050W x 730H
PHC-4D	3600	523	1840L x 1400W x 1450H
PHC-6D	5400	523	1840L x 1400W x 2200H
PHC-9D	8100	523	1840L x 2050W x 2200H

## Efficiencies

<u>Filter</u>	<u>Class</u>	<u>Efficiency</u>
Panel	G4/MERV 8	90% @ 5 Microns
Bag	F8/ MERV 14	95% @ 1 Micron
HEPA	H13	99.95% @ 0.3 Microns
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.