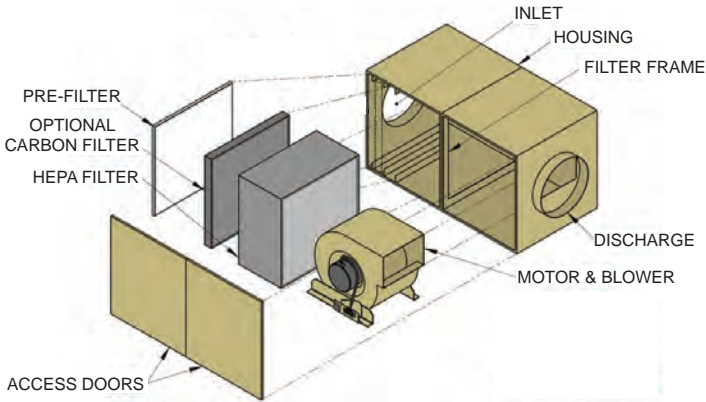# HEPA SHIELD

The HEPA Shield system represents one of the most powerful HEPA air filtration systems on the market today and is used in applications around the world.

The HEPA Shield comes in three different models:

MODEL	CFM
600HS	600
1200HS	1200
2000HS	2000

All models come in two versions; the "L" version or vertical configuration and the "S" version or horizontal configuration. Either of these configurations can be used in conjuction with any heating/cooling system or as stand-alone units in applications where central filtration is not necessary.
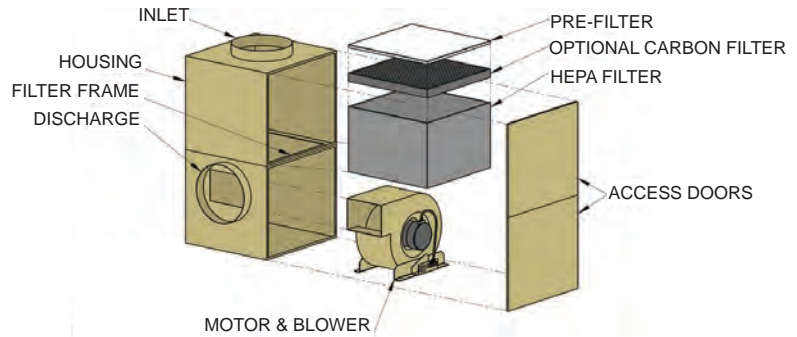
Each model is available with two different controller options for the PLUS line of systems. Couple the ECM motor with our HVAC controller and the system will run in conjunction with most HVAC systems. Should you need more flexibility in volume control or want the system to run independently; the VCU digital controller allows for volume control from 1-100% in 1% increments.

"S" Version
TRUE HEPA FILTRATION

Certified HEPA removes 99.99% of all particles 0.3 microns and larger

"L" Version
THREE STAGE FILTRATION

1. Polyester Prefilter MERV 8
2. Carbon Filter
3. True 99.99% HEPA Filter

ESCA TECH, INC.
Contamination Control Systems, Services & Solutions

3747 N. Booth St.   Milwaukee, WI 53212 USA
T: (414) 962-5323, (877) 532-5323
F: (414) 962-7003
cservice@esca-tech.com   www.esca-tech.com

DESIGN SPECIFICATIONS AND OPTIONS

	MODEL 600HS	MODEL 1200HS	MODEL 2000HS
Dimensions "L" Unit	16 1/4" D x 16 1/4" W x 34" H	25" D x 25" W x 42" H	25" D x 25" W x 42" H
Dimensions "S" Unit	16 1/4" D x 16 1/4" H x 34" L	25" D x 25" H x 48" L	25" D x 25" H x 48" L
Duct Connections	12" Dia. Inlet, 10" Dia. Outlet	14" Dia. Inlet and Outlet	14" Dia. Inlet and Outlet
Weight "L" Unit	97 lbs (with all filters)	180 lbs (with all filters)	180 lbs (with all filters)
Weight "S" Unit	97 lbs (with all filters)	200 lbs (with all filters)	200 lbs (with all filters)
Max CFM Rating	600 CFM	1200 CFM	2000 CFM
Electrical	120 volt, 15 Amp Circuit	120 volt, 15 Amp Circuit	120 volt, 15 Amp Circuit
Motor	1/3 HP ECM Variable Speed 120/240 volt 50/60Hz	3/4 HP ECM Variable Speed 120/240 volt 50/60Hz	1 HP ECM Variable Speed 120/240 volt 50/60Hz
Filters	Polyester Ring Panel Prefilter 5 lb Carbon Media 99.99% HEPA at 0.3 Microns	Polyester Ring Panel (Dual-Layer) 15 lb Carbon Media 99.99% Certified Filter	Polyester Ring Panel (Dual-Layer) 15 lb Carbon Media 99.99% Certified Filter
Controls	Lighted on/off Rocker Switch 8 Amp Breaker	Lighted on/off Rocker Switch 15 Amp Breaker	Lighted on/off Rocker Switch 15 Amp Breaker
Optional Digital Controllers	HVAC Controller or Digital Speed Controller	HVAC Controller or Digital Speed Controller	HVAC Controller or Digital Speed Controller

OPTIONAL 1200OA UNIT 1. "L" Unit add 2 carbons in-lieu of HEPA (45lbs) 2. "S" Unit add 4 carbons in-lieu of HEPA (75lbs)

BALANCING DAMPERS   HEPA SHIELD

CONDENSOR

PRESSURIZATION AIR INTAKE

RECIRCULATED AIR INTAKE

AIR CONDITIONER

DRAIN TUBE

CONTROL ROOM AND OFFICE PRESSURIZATION

SUPPLY AIR

RETURN AIR

HVAC SYSTEM

HEPA SHIELD

BYPASS CONFIGURATION (VERTICAL)

RETURN AIR DUCT

HVAC SYSTEM

HEPA SHIELD

BYPASS CONFIGURATION (HORIZONTAL)

CEILING MOUNT