

# ACCURATE THERMAL SYSTEMS ECU1 HEPA AIR FILTRATION UNIT

## APPLICATIONS

Medium duty source capture of smoke, fumes and VOC's from extrusion and injection molding operations or any other process where you want to clean up any emissions.

## BENEFITS

Small footprint – 23"W x 23"D x 35.5"H

Very economical including replacement filters

Makes your process environmentally friendly

120 or 240 VAC operation

Sound level of only 59 dba

Designed and manufactured in USA

## MODEL ECU1 HEPA AIR FILTRATION UNIT



- Small footprint & economical cost
- Integrated 210CFM blower, 19"WC
- Stainless steel cabinet
- Display with filter monitoring via electronic VOC sensor
- Electronic 4 step variable speed blower
- Interface for 24 VDC remote start/stop
- Only 59 dba sound level

The ECU1 HEPA Air filtration unit is a smart addition to your tool cleaning operation making it environmentally friendly by providing medium duty source capture of smoke, fumes and VOC's.

An advanced graphical display lets you know when the filters need to be replaced via feedback from the calibrated VOC sensor. 4 step blower speed control allows you to optimize the amount of extraction for your setup.

The ECU1 includes a full set of filters; a 99% efficient at 1uM pre-filter, 99.97% efficient at 0.3uM HEPA filter and two 30 lb activated carbon modules.

Castor wheels give the unit portability for placement where it is needed.



# MODEL ECU1

## FEATURES AND SPECIFICATIONS

### WHAT'S INCLUDED

- ECU1 unit
- Standard filter set
- 8ft of 6" OD rubber hose
- 24VDC remote start/stop
- Instruction manual

### WHAT DO I NEED TO RUN THE SYSTEM

- 120 or 240 VAC, 50/60hz, 15 or 8 amp supply power
- 4" duct work for clean air outlet

### SERVICES AVAILABLE

- Technical support
- Application support
- Installation and setup
- Maintenance



An advanced graphical display monitors the status of each filter and when they need to be replaced an LED lights up. A calibrated VOC/gas sensor is used to monitor filter effectiveness. Electronic four speed blower control is used to optimize source capture in your operation and with your materials.

Filters are easy to replace via the front access door. A 99% efficient at 1uM pre-filter is on the bottom, followed by the 99.97% efficient at 0.3uM HEPA filter and then two 30lb activated carbon modules for broad spectrum gas/odor and VOC control.



### Specifications

<u>ECU1</u>	
<b>Construction:</b> Brushed stainless steel cabinet with sound baffling to keep the sound level to 59dba (speed dependant) Unit weight with filters installed is 210lbs Dimensions: 23"W x 23"D x 35.5"H	
<b>Integrated blower:</b> Performance 210CFM @19"WC Centrifugal – direct drive, brushless motor	
<b>Electrics/Controls:</b> 120 or 230VAC/1 ph 50/60Hz, 15A (120V) 8A (230V) Digital Graphic display with electronic variable speed blower control, electronic individual filter monitoring, calibrated electronic VOC/gas sensor Interface for remote start/stop – 24 VDC. Pre-wired 3 wire power cable, 7.5ft	
<b>Standard Equipment:</b> Filter set, 4" outlet, 6" inlet, 8ft – 2 ply smooth-core rubber hose, 6" OD. Industrial grade castor wheels – 2 locking. Installation guide/operations manual	
<b>Standard Filter Set:</b> Pre-filter, large capacity – deep pleat technology 99% efficient @ 1uM. HEPA filter, 99.97% efficient @ 0.3uM. Gas / Odor filter (2), large capacity provides broad spectrum gas/odor control	
Catalog #	Description
ATS1119	ECU1 Air Filtration System
FA540B	Pre-filter (99% @ 1uM)
FA500	HEPA filter (99.97% @ 0.3uM)
FA501D	Gas / Odor filter – (2 required, 30lbs each)



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