

Model CAP132 - 4 x 6
With top mounted blower and
prefilter housing.

Series 130

Horizontal Flow Wall Modules

The Series 130 module provides clean horizontal laminar airflow. The units may be used separately or in groups to form a wall for a cleanroom or tunnel. They are made in two basic styles to meet a variety of applications.

The ability to change the filter and do maintenance from the front allows placement of the model CAP132 against a wall without the need for a rear walkway, thereby increasing usable space in the clean work area. The CAP133 HEPA filters are serviced from the front, but other maintenance (blowers, motors and prefilters) is done from the rear of the unit.

Painted structural material offers the ultimate in appearance and in resistance to abuse. They are highly resistant to abrasion, corrosion, stains, and chemicals.

High quality, excellent appearance, and ruggedness have been achieved with the Series 130 through the use of a new wrap-around structural design. Close attention has been paid to every detail.

The cabinet volume has been designed to offer the least envelope for each work area... thus minimizing weight and space.

The airflow is factory-set with filter face velocity of 90 fpm. This is maintained by adjusting blower speed as the filter resistance increases over period of use.

The HEPA filter is 99.99% effective on particles 0.3 micron and larger, is DOP tested, and is leak probed. (Optional ULPA filters are available).

The blower utilizes a belt drive motor with a variable pitch pulley on the motor for adjusting the speed of the blower. The assembly is mounted on vibration isolated mounts to assure quiet operation.

Features

- ❖ All-metal construction – no particle board
- ❖ Protective grill for the absolute HEPA filter
- ❖ Quiet, energy-efficient belt drive blower
- ❖ Meets or exceeds the requirements of Federal Standard 209E
- ❖ Meets or exceeds NEC electrical codes

 For more information or to download or fax this product from the web, simply go to:

www.cleanairproducts.com/130

Series 130 Horizontal Flow Wall Modules

Overview

The Series 130 horizontal module comes in a variety of sizes and styles. Some of the included information will depend on the style of unit purchased.

The standard Series 130 units are constructed of painted steel. This finish is designed to be compatible with normal cleanroom environments. When cleaning is required, a mild soap and water solution is recommended with a distilled water rinse. The distilled water is recommended because it does not have any mineral hardness that may leave a "mineral film" that can be wiped off and cause particulate contamination.

Care should be used when cleaning the protective grills so that the HEPA filters are not damaged during the cleaning process. NEVER attempt to clean the HEPA filter except by purging the filter. Rubbing or blowing the HEPA filter with high pressure air will only cause leaks.

When the units are installed, let them run for a few days to "purge" the filters and to give the units some noncritical run time. Having the units run (with the prefilters in place) with "non-cleanroom" activity going on around the units will not hurt the HEPA filter or appreciably shorten the life of the filter. (Prolonged running of the unit may load the filters somewhat, but, by letting them run, clean air coming out of the unit will prevent any contamination from getting onto the HEPA filter face.) The alternative is to tape plastic over the HEPA filters to protect them from dirt during these periods of time.

By letting the units run for a time before "critical operation" start this will allow time for any particulates to purge or blow off from the face of the HEPA filters. It also serves as a burn in

time for the equipment prior to production operation. While the units are fully tested prior to shipping at the factory, a problem can sometimes develop because of unseen shipping damage or damage during the installation process.

Shipments

Clean Air Products takes every reasonable precaution to ensure that your horizontal airflow cabinet arrives without damage. However, damage can occur in any shipment, and it is important that you note visible damage immediately with a notation on the consignee's copy of the freight bill. Terms are F.O.B. factory, unless otherwise stated. Your inspection of either visible or concealed damage is the basis of your filing claim (which you must do at once) against the carrier. An inspection then must be made to verify the claim against the carrier.

Performance Specifications

All equipment is thoroughly inspected at the Clean Air Products' factory at the time of shipment. Quality control is maintained by constant surveillance of the product, beginning at receipt of purchased material and concluding with a final inspection which certifies performance to Class 100 conditions of Federal Standard 209E, as well as to the unique requirements of each project. In all instances where product quality cannot easily be assessed on the end item, the product is inspected during subassembly fabrication. All electrical components are UL approved; all mechanical components are fabricated or purchased and inspected to performance requirements before assembly into the final

product. All Clean Air Products' products have been certified to meet or be better than the following specifications:

HEPA Filter System

The HEPA filter system consists of two basic items: the absolute HEPA filter and a flexible duct to form a modular component. All HEPA filters tested to meet Mil Standard 282 and are tested for leakage for 99.99% removal of all particulate contaminants greater than 0.3 micron. All laminar flow equipment must meet or exceed Class 100 Federal Spec 209E.

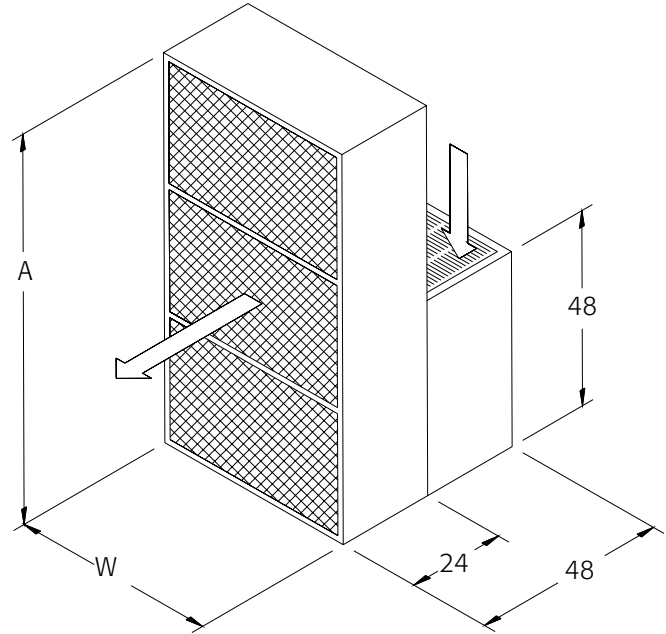
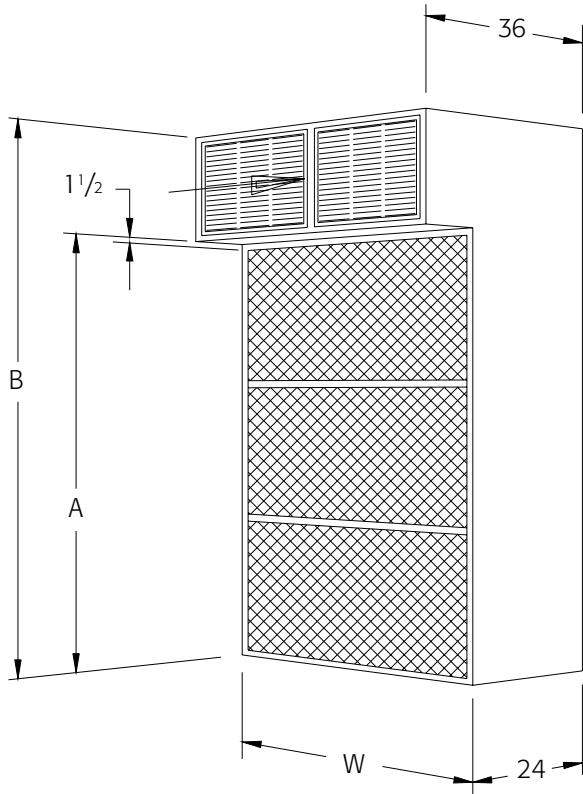
- Media Pack: 2.875 with aluminum separators.
- Gasket: 1/4 x 3/4 closed cell, gasket or upstream side of the filter
- Filter Frames: Extruded aluminum
- Filter Efficiency:
 - 99.99% on 0.3 micron (standard) "HEPA"
 - 99.99% on 0.12 micron "ULPA"
 - Other

Prefilter

The prefilters are disposable, nonwoven framed fiberglass media, a nominal efficiency of 40% by NBS Test Method using atmospheric dust or better.

Guarantee

A written 1 year warranty is furnished with each wall module.



Standard Sizes: CAP132

	W	A	B
CAP132-4x6	50 1/2	77	—
CAP132-4x8	50 1/2	95 1/2	—
CAP132-4x10	50 1/2	120 1/2	—
CAP132-4x12	50 1/2	145 1/2	—
CAP132-5x6	62 1/2	77	contact factory
CAP132-5x8	62 1/2	95 1/2	
CAP132-5x10	62 1/2	120 1/2	
CAP132-5x12	62 1/2	145 1/2	
CAP132-6x6	74 1/2	77	
CAP132-6x8	74 1/2	95 1/2	
CAP132-6x10	74 1/2	120 1/2	
CAP132-6x12	74 1/2	145 1/2	

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CAP133-5x12	62 1/2	145 1/2
CAP133-6x6	74 1/2	77
CAP133-6x8	74 1/2	95 1/2
CAP133-6x10	74 1/2	120 1/2
CAP133-6x12	74 1/2	145 1/2

Specifications subject to change. Please contact factory for details.



Solutions Built to Your Specifications.

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