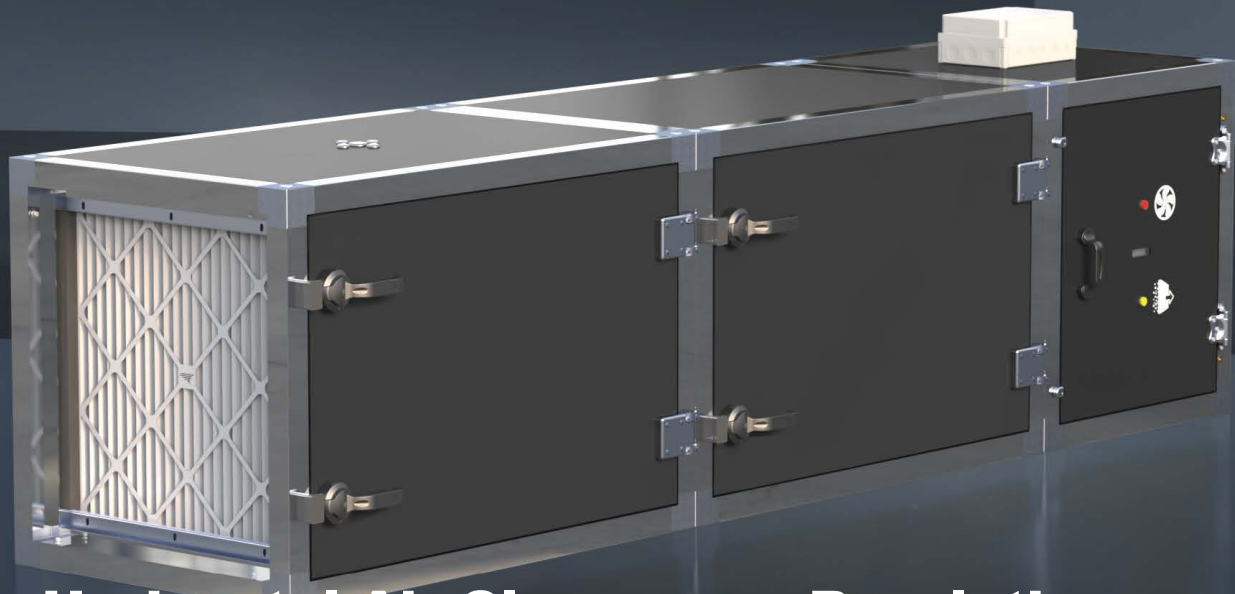




Horizontal Air Cleaner . . . Revolutionary Clean Air Solution Ductless for Convenience

Modular for Customization Optimal Air Filtration
Performance and Low Operating Costs

Horizontal Air Cleaner

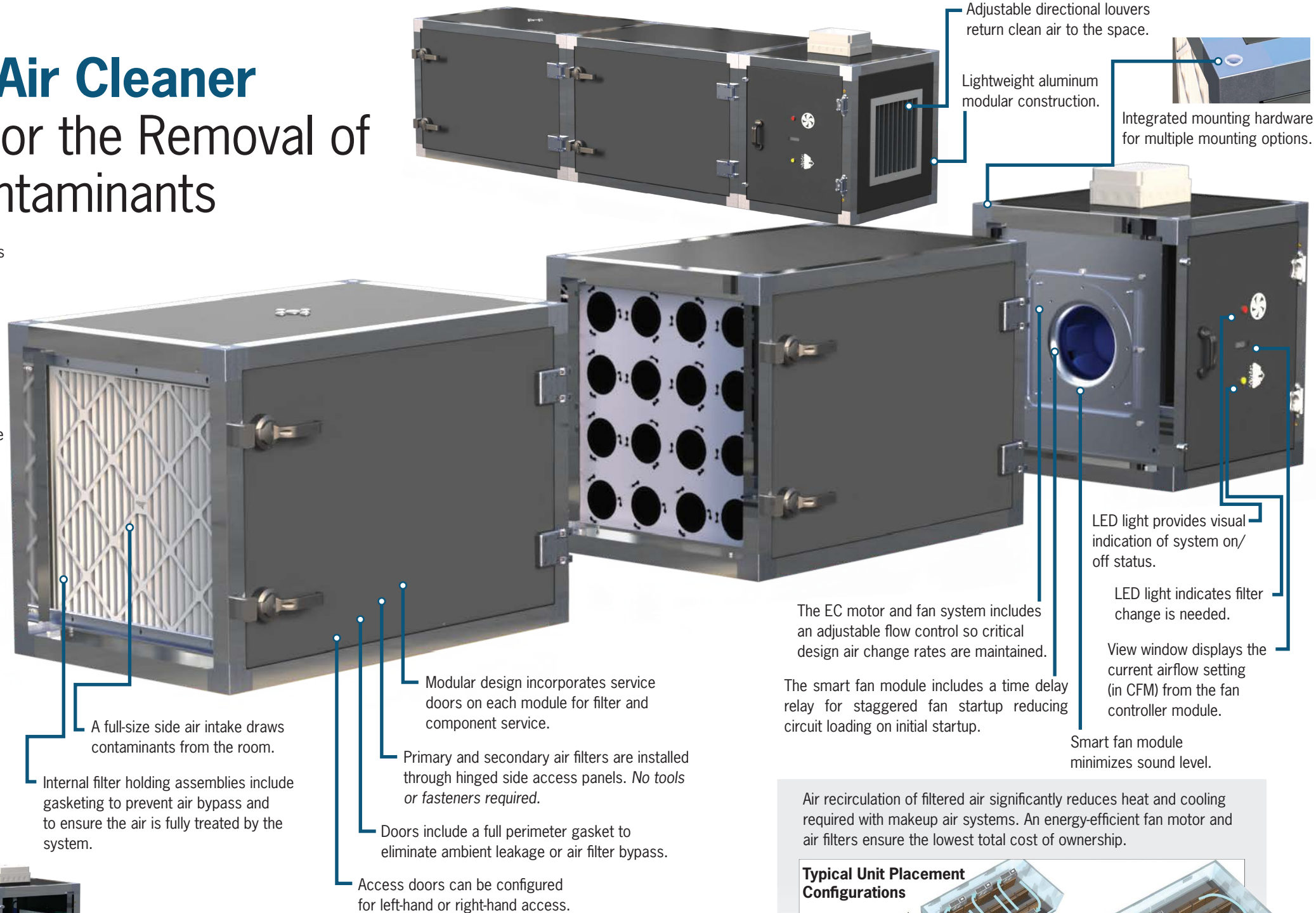
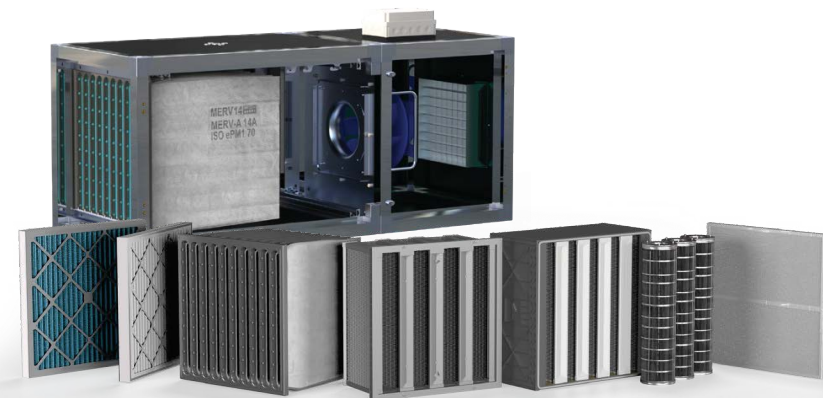
Air Cleaner for the Removal of Airborne Contaminants

Terra Universal's Horizontal Air Cleaner is designed for the removal of particulate and/or molecular contaminants. The ductless, modular system typically suspends from the ceiling and installed in applications that have high load dust, fumes and high aerosol particulate concentrations — warehouse dust, welding, oil mist, sports facilities, food and beverage, and other locations where direct source capture may be difficult. Adsorbent cylinders are available as an optional stage of filtration to control molecular contaminants (odors and irritants).

Filters are available in two sizes of air delivery, 2000 and 4000 cfm, the units accept multiple stages of air filtration and offer a broad variety of particulate and molecular filtration options to accommodate specific applications.

Modular Design

The modular design allows for customization of filter selection, ease of handling and reduced shipping costs. Four mounting fasteners per module allow for ease of assembly. Units are also available factory assembled.



The Perfect Combination

Equipped with the most energy efficient and the longest-lasting filters available, superior filters provide optimal system performance.

Filter Options

Air filters can be selected specific to the contaminant of concern. Various filtration configurations include a prefilter, a secondary or final filter, and/or a HEPA or molecular filter as the final stage.

The EC motor and fan system includes an adjustable flow control so critical design air change rates are maintained.

The smart fan module includes a time delay relay for staggered fan startup reducing circuit loading on initial startup.

LED light provides visual indication of system on/off status.

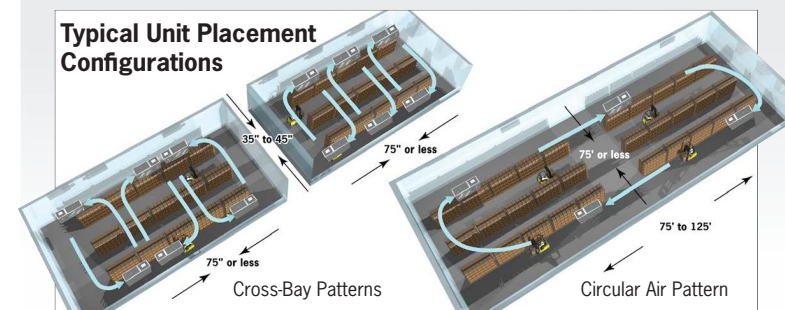
LED light indicates filter change is needed.

View window displays the current airflow setting (in CFM) from the fan controller module.

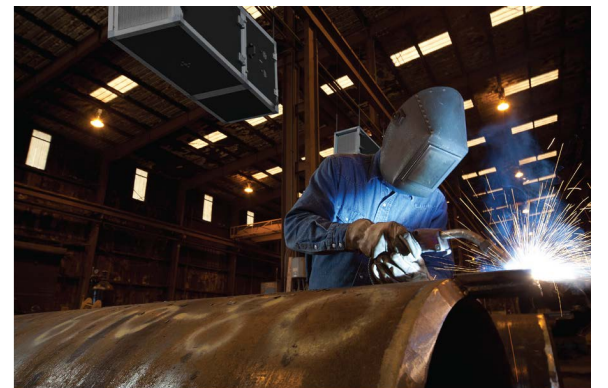
Smart fan module minimizes sound level.

Air recirculation of filtered air significantly reduces heat and cooling required with makeup air systems. An energy-efficient fan motor and air filters ensure the lowest total cost of ownership.

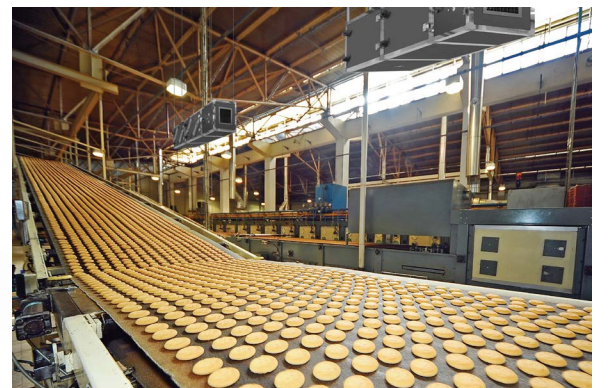
Typical Unit Placement Configurations



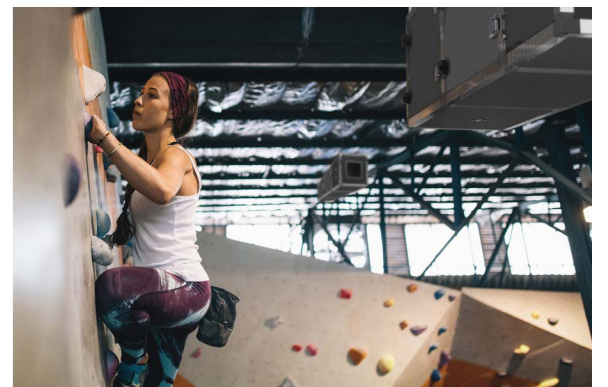
A series of units properly placed creates the correct air pattern and ensures substantial reduction in airborne particles is achieved. The clean air from one unit pushes dirty air to the inlet of the next unit based on the designed number of air changes per hour.



Protect workers and the environment from welding smoke.



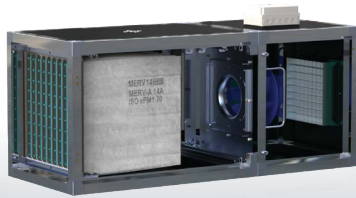
Protect processes such as food & beverage production.



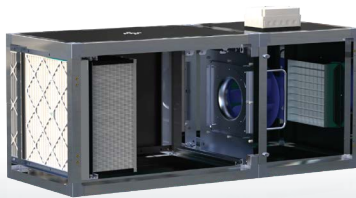
Control chalk dust for rock climbing facilities.



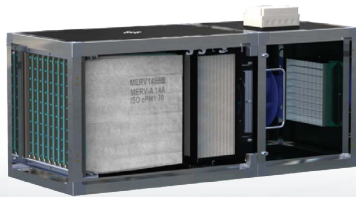
Remove and reclaim oil mist for safety and manufacturing economy.



Configuration A
22-inch or 30-inch bag filter



Configuration B
2-inch dual prefilter, and HEPA

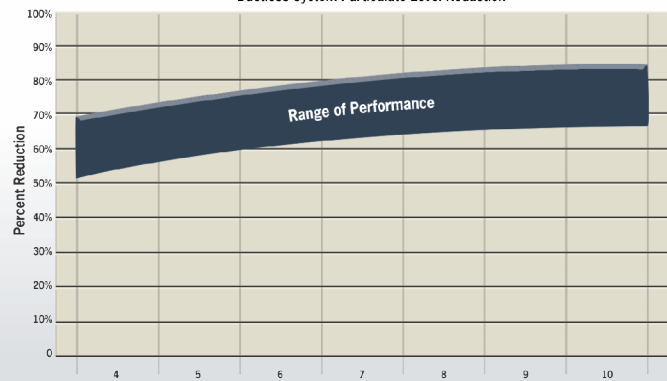


Configuration C
22-inch or 30-inch bag filter, and
HEPA



Adsorber Cylinder Configuration
22-inch or 30-inch bag filter
24-inch cylinders and
4-inch Dual prefilter

Air Changes per Hour
Ductless System Particulate Level Reduction



Factors to consider

- Generation source: continuous or sporadic.
- Particulate size distribution
- Particulate load: light, average, or heavy.

Air Changes per Hour

Air Changes per Hour	Contaminant Generation
2 - 6	Light
8 - 10	Average
12 - 14	Heavy

Filter Module Configurations

	2-inch Track	First 1-inch Header Track	Second 1-inch Header Track	Air Cleaner 2000 Dimensions (inches W x H x L)	Air Cleaner 4000 Dimensions (inches W x H x L)
Configuration A	None	22-inch or 30-inch bag filter	None	30" x 28" x 70"	30" x 52" x 70"
Configuration B	2-inch prefilter	12-inch cartridge filter	None		
Configuration C	2-inch prefilter	12-inch cartridge filter	Up to 12-inch cartridge filter		
Configuration D	None	Up to 22-inch bag filter	Up to 12-inch cartridge filter		
Adsorber Cylinder Models	Cylinder Track	Downstream Filter Track			
	24-inch cylinders	4-inch dusting filter		30" x 28" x 113"	30" x 52" x 113"
	18-inch cylinders	12-inch cartridge filter			