



# CamCleaner

Air Cleaner for the Removal of Particulate & Gaseous Contaminants



The Best Ever...Inside and Out  
The Most Advanced Filtration Technology Available

Clean air solutions

Airborne Particulate  
Contaminants

Odors

VOCs

O<sub>3</sub>  
Ozone

NO<sub>2</sub>  
Nitrogen Dioxide

SO<sub>3</sub>  
Sulphur Trioxide

SO<sub>2</sub>  
Sulphur Dioxide

H<sub>2</sub>S  
Hydrogen Sulfide

HF  
Hydrogen Fluoride

Gases

## Removes Particulate & Gases

The Camfil CamCleaner is a free-standing, mobile air cleaner designed for corrosion control applications in heavy process industries. Typical applications include areas that may have corrosive gases and contain sensitive computer or electronic equipment, pulp and paper mills, photochemical facilities, steel mills, refineries or sewerage treatment plants. The CamCleaner can also be used in archive and cultural heritage storage rooms, chemical handling locations, and data centers.

**1 Minihelic gages** provide individual pressure drop values for prefilter and final filter section.

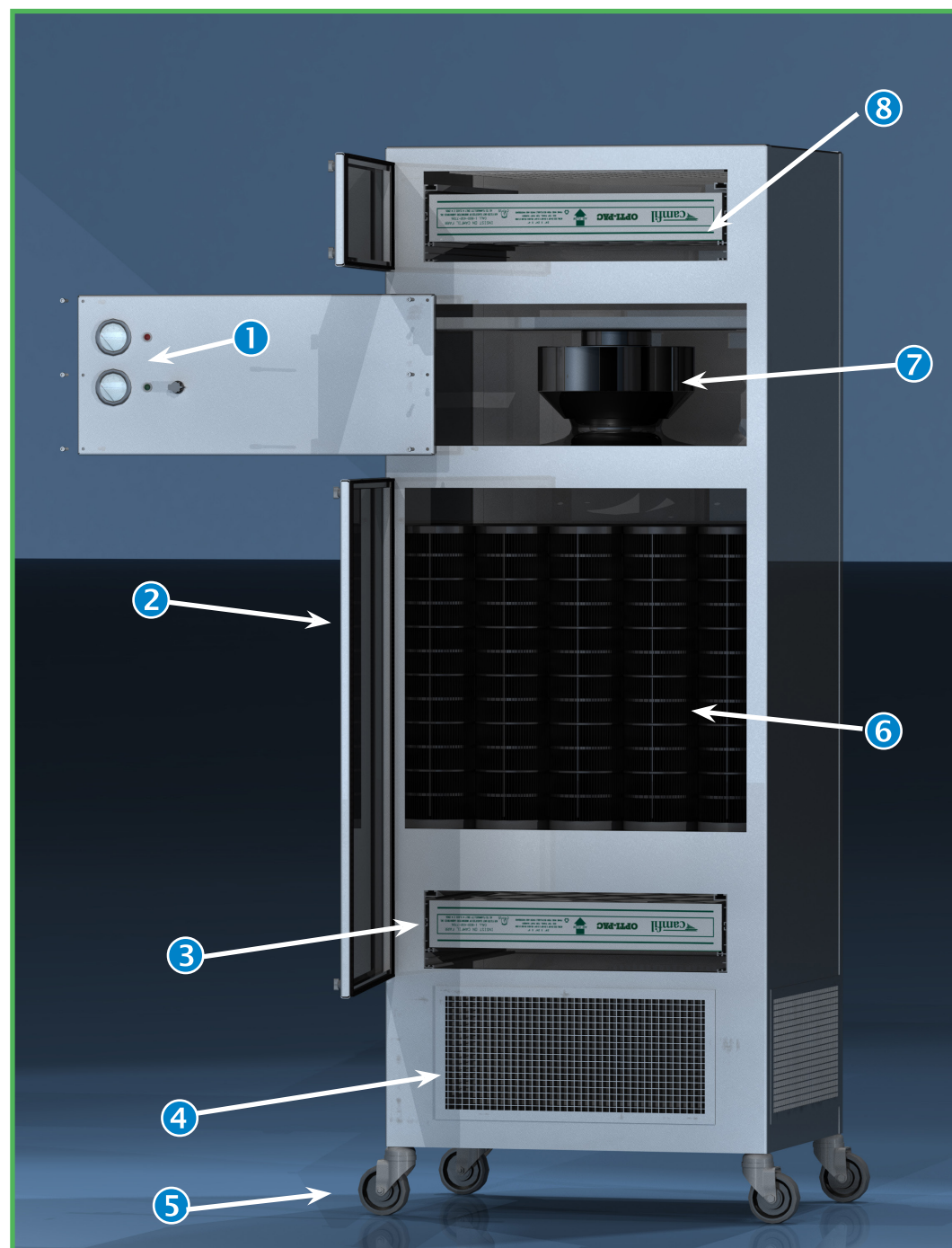
**2 CamCleaner service doors** provides access to all components and allows convenient change of adsorbent canisters or particulate air filters. The door includes a full gasket to eliminate ambient leakage or air filter bypass.

**3 Prefilter section** accepts 4-inch deep Camfil 30/30 or MERV 11 Camfil Opti-Pac air filters for the removal of airborne particles that could compromise the performance and lifetime of the adsorber cartridges and final filter.

**4 Low level air intakes** draw contaminants from low level recirculating the air through the unit to produce a natural flow pattern ensuring uniform air cleanliness throughout the space. Each register includes a control damper so the unit can be configured for both pressurization (with external air supply) and recirculation functions.

**5 Industrial quality locking casters** allow the CamCleaner to be easily transported or moved closer to the contaminant source to increase removal efficiency.

The Camfil MERV 11 Opti-Pac prefilter removes contaminants that could compromise adsorbent canister performance. The MERV 14 Opti-Pac final air filter removes fine particles down to 0.3 micron in size. Both filters are also MERV-A so efficiencies are maintained throughout the life of the filters.



**16-gauge powder-coated steel enclosure** provides a durable enclosure with a pleasing appearance.

**5-Star air filters** provide 5-Star air cleaner performance. CamCleaners use Farr 30/30®, Hi-Flo® ES and Absolute® VG V-bank HEPA filters with lifetime guaranteed efficiencies.

**(not shown) An optional ducted inlet** for pressurization capabilities.

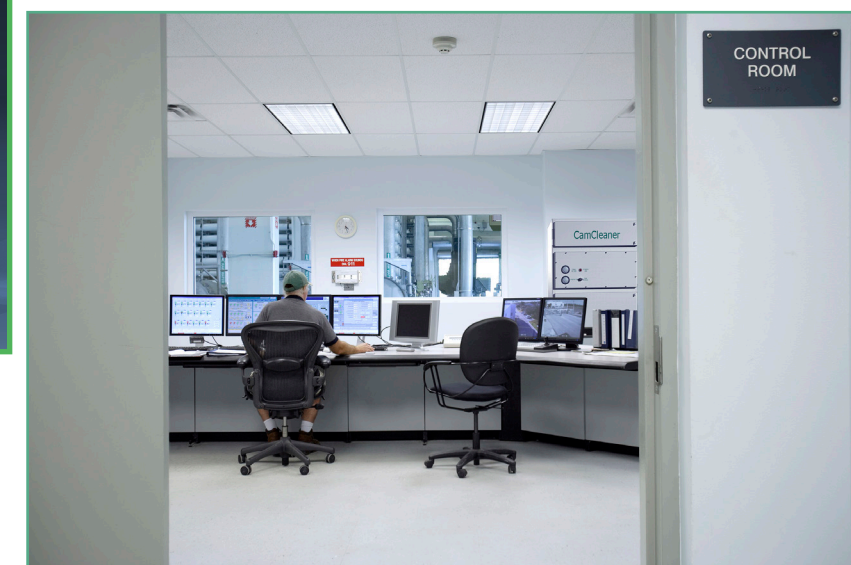
**8 Final filter track** accepts **Camfil Opti-Pac MERV 14 final filter** to remove respirable size particles to protect people and processes.

**7 Direct-drive fan** provides **rated airflow of 1000 cfm**. The fan has been specially selected to deliver uniform airflow at a noise level unobtrusive to room occupants.



Camfil Camcarb Canisters can be recharged and refilled reducing environmental waste. They can also be filled with various adsorbents or oxidizing agents to address a specific gaseous contaminants within an environment.

**6 Twenty Camfil 24" CamCarb Canisters** remove gaseous contaminants. Canisters may be selected with standard activated carbon or other adsorbents or mixtures consistent with the removal of application specific contaminants.



Aesthetically pleasing, the CamCleaner is unobtrusive to the room environment while protecting the users' financial investment in their valuable control assets.



# CamCleaner

## Air Cleaner for the Removal of Particulate & Gaseous Contaminants

### CamCleaner Dimensional and Performance Data

Rated Airflow (cfm)	Air Filters	Number of Filters Required	Unit Dimensions (inches)	Electrical Connection	Power Consumption	Sound Rating dB	Operating Weight (pounds)
1000	Opti-Pac OPMV11 24 x 24 x 4	1	31-3/8 Wide 26 Deep 82-3/4 High	120V 1Ph 60Hz	450 Watts	55	470
	24" CamCarb Canisters	20					
	Opti-Pac OPMV14 24 x 24 x 4	1					

### Camfil Vertical CamCleaner Specification

#### 1.0 General

**1.1** - Air cleaner shall be vertical self-contained unit with fan, a prefilter section, an adsorber section a final filter section gauges to provide pressure drop values for prefilter and final filter.

#### 2.0 Construction

**2.1** - Unit enclosure shall be 16-gauge powder-coated steel with access doors for servicing final filter, prefilter and twenty plastic adsorbent canisters. It shall include three 7-inch by 17-inch low level air intake grilles at the bottom of the unit and shall exhaust filtered air at the top. Access doors shall include gasketing to eliminate air bypass.

**2.2** - Prefilter section shall be designed to accommodate a 4-inch deep MERV 11 prefilter. The second stage shall be designed to accommodate twenty Camfil CamCarb Adsorbent Canister filters each containing 1.5 pounds of activated carbon or other specified adsorbent per 6-inches of canister length. The final filter section shall accommodate a 4-inch deep MERV 14 final filter.

**2.3** - The fan shall be located between the adsorbent filter stage and the final filter and shall have a rated capacity of 1000 cfm with filters installed.

**2.4** - The unit shall include two integrated gauges to read prefilter pressure drop and final filter pressure drop respectively.

**2.5** - The unit shall be portable with industrial quality locking casters.

Manufacturer shall warrant the unit to be free from defects for a period of one year from date of installation.

#### Required Submittals

Provide ASHRAE test report noting prefilter efficiency of no less than MERV 11 and MERV A-11 when tested under ASHRAE Air Filter Testing Standard 52.2.

Provide ASHRAE test report noting final filter efficiency of no less than MERV 14 and MERV A-14 when tested under ASHRAE Air Filter Testing Standard 52.2.

Consult factory for specific adsorbent specifications addressing specific airborne contaminants.

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