

# CamCleaner

Modular Room Recirculation Unit with CamCarb Molecular Contaminant Control Cylinders



Service convenience, and leak-free filtration efficiency of adsorbent canister filtration.



Above photo shows supply outlet, final filter section and evaluation/control panel.



The Camfil Farr CamCleaner provides molecular and particulate contaminant control, for industrial applications. It is ideal for the elimination of corrosive gases, for increasing production and for the protection of processes, equipment and personnel.

The CamCleaner:

- Is constructed of epoxy-coated, 18-gauge carbon steel and is available in stainless steel. Factory modular assembly allows customizing to a variety of contaminant concerns.
- Is available with left or right hand filter access service door.
- Incorporates Camfil Farr CamCarb molecular filtration cylinders that offer low resistance to airflow, are easily serviced and are available with various blends of activated carbon or blends of adsorbents and oxidizing agents. The CamCleaner can be customized for the removal of contaminants specific to any application. Computational Fluid Dynamics' studies demonstrate uniquely uniform air distribution across the radial-designed CamCarb Green Cylinder inlet for maximum component life, sustainable low pressure drop and reduced energy requirements.
- Uses a fan motor that has a low thermal signature, minimal energy consumption and a unique digital speed controller and display that may be operated with the included remote control. Power consumption may be as low as 400 watts at 1000 cfm.
- Is available in three different airflow capacities: 500 cfm, 1000 cfm and 2000 cfm.
- Includes three magnehelic gauges for filter pressure drop readings across each stage.
- Includes a MERV 8 Camfil Farr 30/30® prefilter and a MERV 13 Camfil Farr Opti-Pac® final filter.



Simple and safe to install, operate and maintain, the CamCleaner offers the highest level of protection for equipment and the environment, with a small footprint, minimal weight and the lowest life cycle cost.

Applications include pulp and paper, petrochemical, waste water treatment plants, mining and metal refining, archival storage, data centers, semiconductor and health care.

Camfil Farr	Product sheet
CamCleaner	2125 - 0910
Camfil Farr - clean air solutions	

		Model CCRRU85	CCRRU170	CCRRU340
Rated Airflow (cfm)		500	1000	2000
Unit Height (inches)		82.7		
Unit Width (inches)		27.6	31.5	43.3
Unit Depth (inches)		21.6	23.6	39.4
Number of CamCarb Cylinders		10	20	40
Total Media Volume (sq. ft.)		2.0	4.0	8.0
Total Media Weight (lbs)	Campure 8	128.6	257.2	514.
	Campure 15	120.5	241.1	482.2
	CFS-201 Broad Spectrum Carbon (CEX004) <sup>a</sup>	75.0	150.0	300.0
	CFS-202 Acid Gas Carbon (CEX04A3) <sup>a</sup>			
Contact Time (seconds)		0.24		
Resistance (inches w.g.)	Campure 8	0.16		
	Campure 15			
	CFS-201 Broad Spectrum Carbon (CEX004) <sup>a</sup>			
	CFS-202 Acid Gas Carbon (CEX04A3) <sup>a</sup>			
	(CEX003A3) <sup>a</sup>	0.12		
Motor Size (horsepower)		1 HP		
Power Supply		110V Single Phase 60 Hertz or 240 V Single Phase 50 Hertz		
Prefilter		Camfil Farr 30/30 <sup>®</sup> MERV 8		
Final Filter		Camfil Farr Opti-Pac <sup>®</sup> MERV 13		
Weight With Filters (lbs)		281	589	1071

Data notes:

CamCleaner media options:

CamCleaner options and accessories:

<sup>a</sup> - International Camfil Farr designator

CC - Corrosion control  
 OC - Odor control  
 AP - Artifact preservation  
 EC - Environmental conditioning  
 IAQ - Indoor air quality  
 HC - Health care  
 GC - Geriatric care

HEPA particulate filter  
 Stainless steel construction  
 Lockable wheels for unit portability  
 Computer interface for building management system integration and remote monitoring and control  
 External air source for room pressurization  
 HEPA media grade air distribution socks

**SPECIFICATIONS**

**1.0 General**

**1.1** – Housing shall be multi-stage gaseous and particulate filter room recirculation unit consisting of modular epoxy-coated carbon steel enclosure, cylindrical canister mounting frame, fan, remote fan control, integral prefilter and final filter mounting hardware.

**1.2** – Sizes shall be as noted on enclosed drawings or other supporting materials.

**2.0 Construction**

**2.1** – The unit enclosure shall be constructed of 18-gauge epoxy-coated steel assembled in a modular configuration or prefilter section, final filter section, adsorber section and fan section.

**2.2** – The unit shall include filter support tracks that shall be integral components of housing construction. Each track shall include polypropylene gasketing to limit air bypass.

**2.3** – Unit shall include a single swing-open type service door (right hand or left hand) that shall include a high-memory sponge neoprene gasket to facilitate a door-to-filter seal. Each door shall be equipped with adjustable and replaceable positive sealing UV-resistant star-style knobs and replaceable door hinges.

**2.4** – Each unit shall use Camfil Farr (10, 20, 40) plastic CamCarb cylinders and supply (500, 1000, 2000) cfm respectively. Adsorbent volume shall be (2.0, 4.0, 6.0) cubic feet. The unit shall also incorporate a MERV 8 prefilter and a MERV 13 final filter.

**2.5** – The unit shall include an integral direct-drive fan that shall be capable of delivering the rated airflow at a power load of (300, 400, 500) watts respectively.

**2.6** – Three magnehelic type gauges shall be mounted to the unit to allow evaluation of pressure drop across each filter stage or the entire filter assembly.

**2.7** – Unit shall incorporate (Campure 8, Campure 15, CFS-201, CFS-202) broad spectrum carbon with an airflow contact time of 0.24 seconds.

**3.0 Performance**

**3.1** – Manufacturer shall provide evidence of facility certification to ISO 9001:2008.

*\* Items in parentheses ( ) require selection.*

Camfil Farr has a policy of continuous research, development and product improvement. We reserve the right to change designs and specifications without notice.

Camfil Farr  
 United States Tel: (973) 616-7300 Fax: (973) 616-7771  
 Canada Tel: (450) 629-3030 Fax: (450) 662-6035  
 E-mail: camfilfarr@camfilfarr.com

