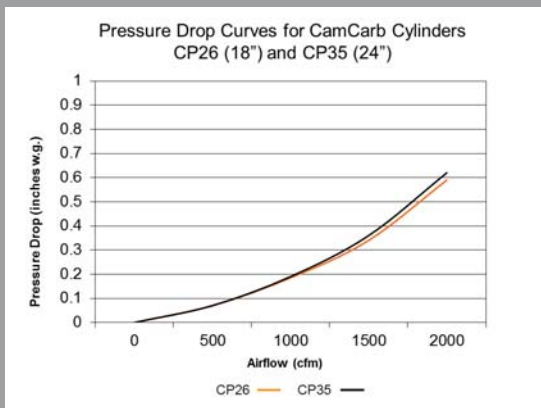




10", 18" and 24" lengths shown. 10" (reduced capacity) only available by special order, contact factory.

Refillable high capacity sorbent cylinders remove offensive gaseous contaminants or reduce expenses associated with ventilation air.



Camfil Farr CamCarb Green cylinder sorbent systems are recommended for high gas/vapor load make-up air and recirculation applications, where high removal efficiency and a large quantity of sorbent media are required.

Each Camfil Farr CamCarb Green cylinder:

- Is constructed of high-impact all-welded ABS plastic. Standard cylinder lengths are 18-inches and 23- ¼ inches dependent upon system velocity and the adsorbent properties of the media. Standard cylinder lengths have 4.5 and 6.0 pounds of 4mm mesh activated carbon per cylinder respectively.
- Includes a conical air inlet to diffuse air evenly across the adsorbent. Efficiency is uniform and long lasting throughout the life of the adsorbent.
- Includes a removable high impact ABS plastic fill cap to facilitate adsorbent service. Fill caps require replacement upon refilling; applied adsorbent is untainted ensuring application cleanliness and safety.
- Includes a thermoplastic rubber gasket (TPE) preventing cylinder to holding frame air bypass.
- Includes preformed stainless steel bayonet mounting stubs to attach cylinders to Camfil Farr CamCarb Cylinder Holding Frames. Standard applications include eight cylinders for half size (12" by 24") and sixteen cylinders for full size (24" by 24") frame. See Camfil Farr CamCarb Cylinder Holding Frame for built-up bank installations and CamCarb Cylinder GlidePack for side access applications, respective literature references 2117 and 2118.
- Includes a smooth internal surface for those applications that may require insertion of a filter scrim to prevent dusting (sometimes used in semiconductor applications).

Applications include:

- Commercial buildings, for photocopiers, printing and cleaning materials
- Light manufacturing processes including printing, pharmaceutical processing and degreasing
- Laboratory operations and products
- Protecting sensitive museum contents such as art, fabric, sculpture, relics, etc.
- Government document archives.

CamCarb Green cylinders are excellent for the removal of ozone (O₃), automobile fumes and diesel engine exhaust (SO_x, NO_x, H₂S, VOCs), jet engine fumes in airports (SO_x, NO_x, H₂S, VOCs) and light levels of industrial emissions (acid gases, NH₃, solvents).

Performance Data

Canister Model	Diameter & Length (inches)	Bed Depth (inches)	Nominal Resistance ¹ (inches w.g.)	Sorbent Volume (cu. ft.)	Carbon Mass (lbs) ²	Typical Mass per 24" x 24" Opening (lbs)
CP26	5.7 x 18	1.0	0.63	0.15	4.5	72
CP35	5.7 x 23-¼	1.0	0.59	0.20	6.0	96

¹ With proper number of cylinders (16) at 2000 cfm.
² Based upon CFS-201 4mm pellet carbon.

Sorbent	Description	Typical Applications
CFS-201	Activated carbon	New construction odors, VOCs, tobacco, ozone
CFS-202	Impregnated carbon for corrosive & acid gases	Pulp & paper, sewerage treatment facilities, manufacturing & chemical processing
CFS-101 / Campure 4	Activated alumina impregnated with 4% potassium permanganate	Indoor air quality, low molecular weight hydrocarbons, oxidizable acid gases
CFS-002	Blended carbon & Campure 4	Airports, pharmaceutical make-up air, funeral & nursing homes, animal care facilities, make-up air
CFS-103 / Campure 6XL	Activated alumina impregnated with 6% potassium permanganate and other proprietary impregnations	Pulp & paper, sewerage treatment facilities, manufacturing & chemical processing and acidic sulphur gases
CFS-004	Blended carbon and Campure 6XL	Airports, pharmaceutical make-up air, funeral & nursing homes, animal care facilities, make-up air

DATA NOTES:

Please contact factory for assistance in selecting the optimum sorbent for your application.

Operating temperature limitation is 105° F (41° C).

Not for installation in condensing environments or applications where entrained moisture is present.

Specification

1.0 General

1.1 - Air filters shall be high impact ABS plastic refillable loose-fill sorbent cylinders to be installed on matching holding frames.

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

2.0 Construction

2.1 - Sorbent cylinders shall be constructed of high impact ABS plastic and shall be enclosed with a plastic end cap. The cap shall be disposable and replaced during every adsorbent replacement interval.

2.2 - The air inlet of the cylinder shall be conical in shape to facilitate uniform airflow across the entire surface of the adsorbent.

2.3 - Each cylinder shall include a minimum of 4.2 slots per square inch of cylinder surface area each slot measuring 32 mm long by 2.3 mm wide. There shall be a minimum of 200 slots per 2" of cylinder length.

2.4 - Each cylinder shall include a mounting assembly with three integral stainless steel bayonet stubs for mounting to matching cylinder mounting flange.

2.5 - Each cylinder shall contain at least 1.5 pounds of sorbent per 6" of cylinder length.

- 2.6** - Sorbent shall be Camfil Farr (select one of the following):
 (CFS - 201, activated carbon, with a minimum activity rating of 60% on carbon tetrachloride.)
 (CFS - 202, impregnated carbon for adsorption of corrosive and acidic gases)
 (CFS - 101, activated alumina impregnated with potassium permanganate)
 (CFS - 002, blended activated carbon and activated alumina impregnated with potassium permanganate.)
 (CFS - 103, activated alumina impregnated with 6% potassium permanganate and other impregnations)
 (CFS - 004, blended carbon and Campure 6XL)

3.0 Performance

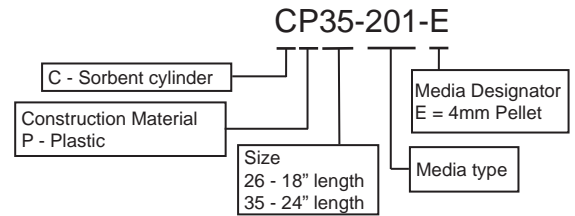
3.1 - System pressure drop shall not exceed 0.63" w.g. at a velocity of 500 fpm, with 4mm mesh activated carbon when mounted to matching cylinder holding frame(s).

3.2 - Cylinder to mounting hardware procedure shall form a mechanical connection with a seal limiting air bypass across canister mounting assembly.

3.3 - Manufacturer shall provide evidence of facility certification to ISO 9001:2008.

* Items in parentheses () require selection.

Model Designator



Camfil Farr Cylinders include stainless steel bayonet stubs that twist on to Camfil Farr Camsorb holding frames. Each cylinder has a sorbent fill cap that removes easily with a 24mm wrench.



Camsorb cylinders are designed to attach to Camfil Farr Camsorb holding frames. Built-up bank and side-access housing versions are available. See product sheets 2117 and 2118 respectively. Image shows a 24" x 24" and a 12" x 24" frame.