



Two-inch panel for removal of odors or cleaning of make-up air at medium loads. Reduce outside air per Indoor Air Quality Method as prescribed in ASHRAE Standard 62.1.

PW rechargeable model may have carbon replaced after carbon has served a useful life of contaminant removal.

Camfil CamCarb PW two-inch powder-coated steel panels can be used to control odors or limit VOC exposure created by contaminants in the typical office environment. They may also be used in areas of non-attainment to clean make-up air before it is introduced to the indoor environment.



CamCarb PW panels have a high ozone removal value according to the unique rating system introduced by Camfil (Oz 8). Ozone is a pollutant known to be harmful to human health. The World Health organization (WHO) publishes guidelines for maximum human exposure to ozone. Applications include:

Treat make-up air for buildings containing objectionable levels of:

- Ozone (O₃) from outdoor air (smog)
- Automobile fumes and bus and truck diesel engine exhaust (SO_x, H₂S, VOCs)
- Medivac helicopter exhaust in hospitals
- Light levels of industrial emissions (acid gases, NH₃, solvents)
- Kitchen odors from nearby restaurants
- Eliminate objectionable odors and emissions from recirculated or exhaust air

Reduce building operating cost:

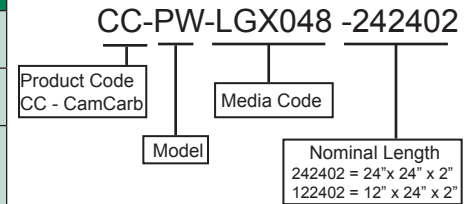
- Permits the recirculation (all or part) of ventilating air, reducing heating cost in the winter and cooling costs in the summer

CamCarb PW two-inch loose-fill media panels are:

- Filled with 12 pounds of high quality coconut shell carbon for applications that require the removal of gaseous contaminants
- Designed to easily slide in and out of Camfil Camsorb Riga-Sorb housings, V-bank applications, or any application where velocity does not exceed 125 fpm
- Installed in sets of four panels for a 24" x 24" opening (four panels per 2000 cfm)
- Available with a variety of sorbents to meet the gaseous removal needs of additional specific applications

Media Name	Media Code	Description	Typical Applications
LGX048	LGX048	Granular activated carbon	New construction odors, VOCs, tobacco, ozone
CEX004	CEX004	Pelletized activated carbon	New construction odors, VOCs, tobacco, ozone
CEX004A3	CEX004A3	Pelletized activated carbon impregnated to target a range of acidic gases	Pulp & paper, sewerage treatment facilities, manufacturing & chemical processing
CamPure 4, 8, 9	CP4, CP8, CP9	Activated alumina impregnated with potassium permanganate	Indoor air quality, low molecular weight hydrocarbons, oxidizable acid gases
CamPure 44, 84, 94	CP44, CP84, CP94	CamPure media blended with pelletized activated carbon	Airports, pharmaceutical make-up air, funeral & nursing homes, animal care facilities, make-up air
CamPure 10	CP10	Activated alumina impregnated with sodium permanganate	Pulp & paper, sewerage treatment facilities, manufacturing & chemical processing, and acidic sulfur gases
CamPure 15	CP15	Activated alumina and activated carbon powders impregnated to target a range of acidic gases	Pulp & paper, sewerage treatment facilities, manufacturing & chemical processing, and acidic sulfur gases
Other media available. Contact factory for details.			

Model Designator



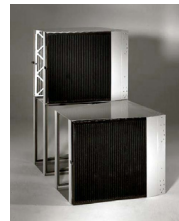
Data Notes:

CamCarb PW two-inch panels were formerly known as Riga-Sorb 80 (RS80) Panels. Panels may also be installed in any V-bank configuration. Panel face velocity should not exceed 125 fpm. Actual panel size is 23.38" wide by 23.38" high by 1.88" deep or 11.38" wide by 23.38" high by 1.88" deep. Operating temperatures to 155° F (68° C), consult factory for sales submittal drawings and custom panel sizes.

CamCarb PC panels available. Contact factory.



Panels may be installed in Camfil Glide/Pack for side access applications.



Panels may be installed in Camfil Retainer/Packs for built-up bank applications.

Specification

1.0 General

1.1 - Panels shall be loose-fill, rechargeable type, filled with (select media from above or consult factory)* designed for installation in (built-up banks, side access housings)* V-bank configurations.

1.2 - Number of panels shall be four panels per 2000 cfm of system airflow.

2.0 Construction

2.1 - Panel shall be of powder-coated steel construction. Panel size shall be nominal 24" x 24" x 2" deep.

2.2 - Media shall be factory loose-filled, using a shaker assembly that ensures at least 12 pounds of sorbent per panel.

2.3 - Each CamCarb PW panel shall include a removable service end cap, accessible through a permanently mounted set screw to allow the replacement of media.

2.4 - Panels shall be capable of operating temperature range of 35° F (2° C) to 155° F (68° C).

3.0 Performance

3.1 - When installed in matching hardware, system pressure drop shall not exceed 0.32" w.g. at a velocity of 500 fpm for a four-panel installation.

3.2 - Manufacturer shall provide a letter of certification noting sorbent activity rating to published values.

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

4.0 Performance Testing

4.1 - Manufacturer shall provide results of efficiency testing against nitrogen dioxide, ozone, and toluene.

4.2 - Test to be conducted on full size complete filters when challenged with typical ambient concentrations, i.e. 1 to 5 ppm at 2,000 cfm.

4.3 - Gas detectors must have lower level of detection (LLoD) values <1 ppb.

4.4 - Filters to be tested by the manufacturer using a protocol in accordance with ASHRAE 145.2. Full details of test protocol to be included with photographic evidence.



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