CAMERON GREAT LAKES, INC.

MOLECULAR FILTRATION SPECIALISTS

Installation of Media Housings and Trays

CGL20 Housings, CGL Front Access Housings

Check the area where the filters are being installed for the following:

- Ceilings are level and sides are plumb.
- Floor can support the weight of the adsorber system, when adsorbent is saturated.

Installation of Housings

Apply a thin bead of caulk around housings flanges & ductwork to prevent infiltration of moisture and contaminated air. Check to make sure the housing is oriented in the proper direction for front or rear access of servicing of trays before securing to the plenum or duct. Note that trays are installed in the housing in a horizontal position. Using the pre drilled 5/16" diameter holes on top and side, secure in place and repeat for each housing in the bank until unit is complete.

Check to make sure there is no leakage between housings and around edges of the bank that will allow contaminated air to bypass carbon bed.

Installation of Trays (CGL 20 , Front Load, and Side Access Housings)

1. Rotate trays end over end to redistribute any adsorber that may have settled during transportation to the job site.
2. Insert adsorber panel into track until end of tray is even with the service end of the housing.
3. Once all trays are installed attach one piece grid retainer to provide a proper seal.

Maintenance

Call your local CGL distributor to have carbon samples tested for life remaining activity, to determine when it is time to change out the carbon in the trays. When removing carbon for testing, select a tray from the center of the system, remove tray and empty some carbon from the top, then take a 20 gram sample of carbon from the center of the tray.

You may choose to change media on site, or you may send out to the nearest facility for service. In some cases, depending upon the filter dimension, filled trays may be advanced to the facility to minimize down time of the AHU, and existing trays are returned in exchange.

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