



VARI-PURE VGC

High Capacity Gas Phase Adsorber

- Highest Carbon Content
- Variety of Adsorbents
- Vari-Sock Afterfilter

Construction Design:

- Made in a V-Bank configuration consisting of eight 25mm deep panels fashioned into four V's.
- Each panel has a honeycomb structure that contains the carbon granules. A fine mesh scrim on both sides of the panel retains the granules in the honeycomb.
- The extended surface, V-Bank design significantly increases the amount of carbon contained in the filter and reduces resistance to air flow.
- Non-volatile, non-toxic, environmentally friendly hot melt adhesive is used to bond the honeycomb carbon panels.
- High activity coconut shell carbon.
- **Vari-Pure VGC** 15kg of carbon (610 x 610 mm size). Use for heavier odor concentrations or longer service life.
- **Vari-Pure Lite** contains 9kg of carbon (610 x 610 mm size). Use for lighter odor concentrations or where lower resistance and less weight are required.
- **Vari-Sock VGC** can be supplied to prevent downstream dusting and enhance particle filtration.

Construction Materials:

- Resilient ABS plastic end caps
- 25mm Header
- Galvanized steel support struts
- Premium grade, 60% activity coconut shell carbon
- Water resistant honeycomb carbon panels
- Hot melt adhesive
- Optional VGC-Sock after filter

Information provided in this brochure is accurate at the time of printing to the best of Vilair-AAF's knowledge, given industry tolerances. However, Vilair-AAF reserves the right to change or update the given information without notice.

Choose from a variety adsorbents:

Select from premium grade, 60% activity coconut shell carbon or specially impregnated carbons for hard to remove odors.

Standard 60% activity carbon effectively removes odors associated with diesel fumes, hydrocarbons, tobacco smoke, body odor, cooking, and volatile organic compounds (VOC's).

Specifically impregnated carbons or potassium permanganate can be selected to remove compounds such as ammonia, hydrogen sulfide, or formaldehyde.

Vari-Pure VGC activated carbon filters are designed to meet the challenge facing specifying and operating engineers to improve indoor air quality demanded by employees, tenants, customers... all occupants of commercial, industrial, educational, institutional, and residential buildings.

Gas phase adsorbents are playing an increasingly significant role in meeting building codes and specifications for HVAC systems.

Performance Data:

Model	Nominal Size H x W x D	Actual Size H x W x D	Initial Resistance at 2.54 m/s	(1) Carbon Weight per Filter	Filters per Carton	Shipping Weight
VARI-PURE VGC*						
VGCL-24	610x610x305	594x594x292mm	190pa	15kg	1	18kg
VGCL-12	610x610x305	594x289x292mm	190pa	7kg	2	17kg
VGCL-20	610x610x305	594x492x292mm	190pa	11kg	1	15kg
VARI-PURE VGC LITE*						
VGCL-24	610x610x305	594x594x292mm	80pa	9kg	1	15kg
VGCL-12	610x305x305	594x289x292mm	80pa	4kg	2	14kg
VGCL-20	610x508x305	594x492x292mm	80pa	7kg	1	13kg

(1) Carbon Weight is based on minimum surface area of 1100 square meters per gram of coconut shell carbon.

Weight may vary due to U.S. Sieve Series and carbon density variations.

Activity Rating - Minimum 60% on carbon tetrachloride (CCI) at 25°C

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