

PROTECT VENTSORB® 70 Sales Specification



VENTSORB® 70

DESCRIPTION

The VENTSORB® 70 is an activated carbon adsorber designed for treatment of air and gases for a range of applications. It can be delivered as standard or regenerable option – see separate specification.

The VENTSORB® 70 is effective at purifying air streams with relatively low concentrations of Volatile Organic Carbons (VOCs) as well as odour forming and corrosive compounds.

The air or gas flows through the unit in an upflow direction and the unit is normally utilised as the end of pipe. The outlet should be monitored periodically to check the activated carbon is achieving the treatment objective. For larger flows or duties, a number of units can be used in parallel.

FEATURES

- Effective treatment for a wide range of compounds
- Continuous treatment at varying flow rates and concentrations
- Simple installation and operation
- Corrosion resistant materials

APPLICATIONS

- Process exhaust and dryer vents
- Soil gas extraction
- Air stripping off gas
- Tank venting
- Solvent removal
- Spray booth exhausts
- Industrial gas treatment
- Building venting

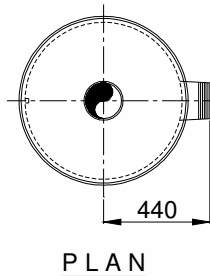
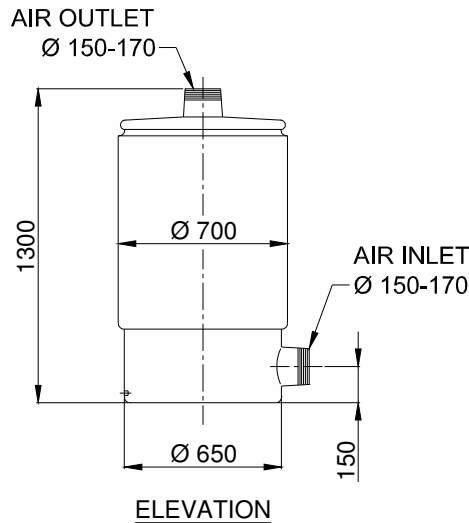
CARBON TYPE FOR VOC

| Compounds | Recommended Carbon Type | Quantity Kg carbon |
|---------------------------------|-------------------------|--------------------|
| Volatile Organic Compounds VOCs | AP4-60 | 80 |

See specific carbon bulletin for additional information.

PACKAGING

The empty unit and carbon are supplied separately. This is to allow easy handling. The carbon is normally supplied on separate pallet in small bags to allow loading in the unit.



TECHNICAL DESCRIPTION

| | |
|---------------------------------|--|
| Carbon volume per adsorber | 280 l max. |
| Flow rate, maximum | 600 m ³ /h |
| Temperature, maximum | 65 °C |
| Pressure, maximum ¹ | 0.04 bar (gauge) or 4 kPa |
| Diameter adsorber | 700 mm |
| Straight side adsorber | 740 mm |
| Connection – Inlet | 150 – 170 mm ribbed tapered nozzle |
| Connection – Outlet | 150 – 170 mm ribbed tapered nozzle |
| Vessel materials | Linear medium density Polyethylene |
| Distributor | Flat internal support, polypropylene mesh |
| Footprint | 0.8 x 0.8 m |
| Height – upright | 1.41 m |
| Recommended clearance | 1.7 m |
| Shipping Weight | Empty adsorber 21 kg 2 pallets up to 122 kg |
| Weight – operating (wet carbon) | 200 kg |

¹ The unit is not vacuum rated, can stand only 2 kPa vacuum.

SAFETY MESSAGE

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low-oxygen spaces should be followed.

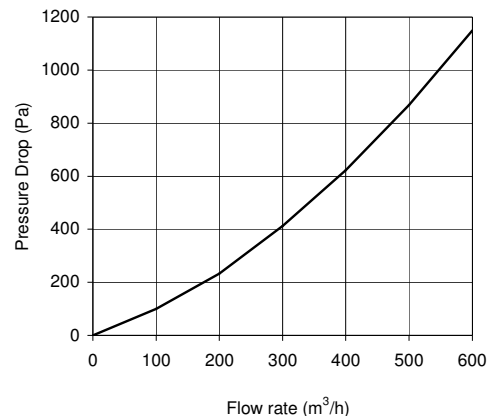
QUALITY

Each of our worldwide operations has achieved **ISO 9001:2000** certification for their quality management system related to activated carbon. **Chemviron Carbon** guarantees the specifications against representative sampling.

Visit our website at www.chemvironcarbon.com

PRESSURE DROP

Typical Pressure Drop of
VENTSORB® 70 - 4 mm pellet



CHEMIRON CARBON

Chemviron Carbon, the European operation of Calgon Carbon Corporation, is a global manufacturer, supplier, and developer of granular activated carbon, innovative treatment systems, value added technologies, and services for optimizing production processes and safely purifying the environment.

With our experience developed since the early years of the twentieth century, facilities around the world and a world-class team of over 1,200 employees, Calgon Carbon Corporation can provide the solutions to your most difficult purification challenges.

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