

PROTECT VENTSORB® 120 Sales Specification



PROTECT VENTSORB® 120

DESCRIPTION

The **PROTECT VENTSORB® 120** 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 **PROTECT VENTSORB® 120** 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

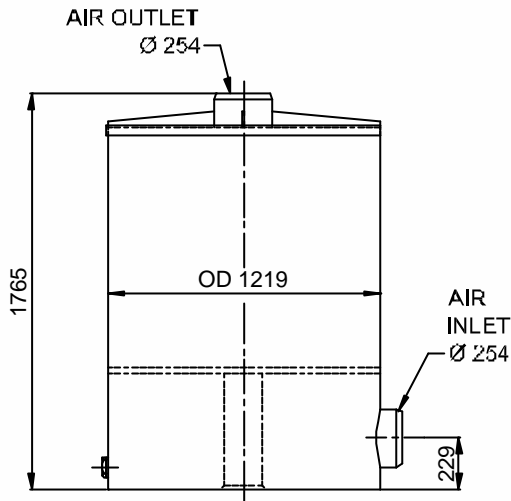
CARBON TYPE FOR VOC

Compounds	Recommended Carbon Type	Quantity Kg
Volatile Organic Compounds VOCs	AP4-60	400

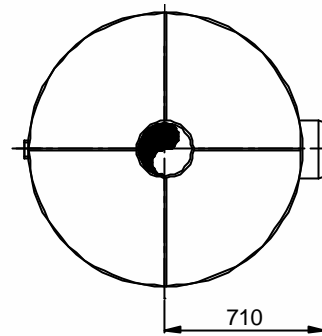
See specific carbon bulletin for additional information.

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.



ELEVATION



PLAN

TECHNICAL DESCRIPTION

Carbon volume per adsorber	1000 l max.
Flow rate, maximum	1800 m ³ /h
Temperature, maximum	65°C
Pressure, maximum ¹	0.04 bar (gauge) or 4 kPa
Diameter adsorber	1200 mm
Straight side adsorber	1600 mm
Connection – inlet	254 mm straight nozzle
Connection – outlet	254 mm straight nozzle
Vessel materials	Polypropylene
Distributor	Flat internal support, polypropylene mesh
Footprint	1.3 x 1.3 m
Height – upright	1.765 m
Recommended clearance	2.2 m
Shipping Wt.	Empty adsorber 95 kg, Carbon 530 kg
Weight – operating (wet carbon)	1035 kg

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

SAFETY MESSAGE

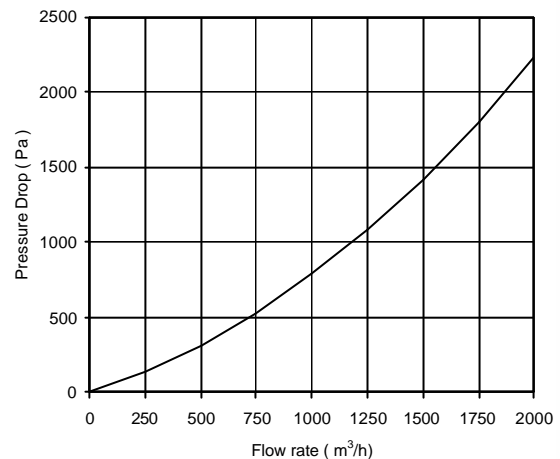
Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low-oxygen spaces should be followed.

QUALITY

Each of our worldwide operations has achieved **ISO9001** certification for their quality management system related to activated carbon. **Chemviron Carbon** guarantees the specifications against representative sampling.

PRESSURE DROP

Typical Pressure Drop of VENTSORB 120 - 4 mm Pellet



CHEMVIRON 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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Visit our website at www.chemvironcarbon.com

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