



**VENTILATION &  
ENGINEERING Ltd.**

# Vent-Carb™ - 3000

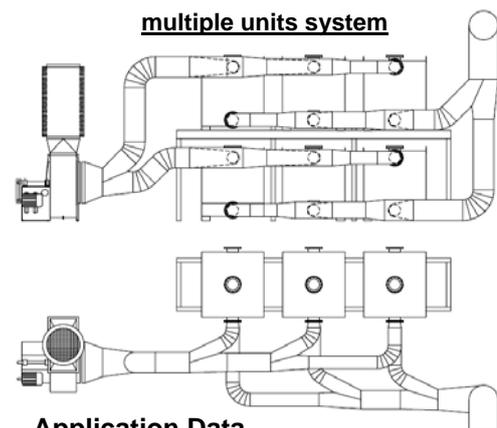
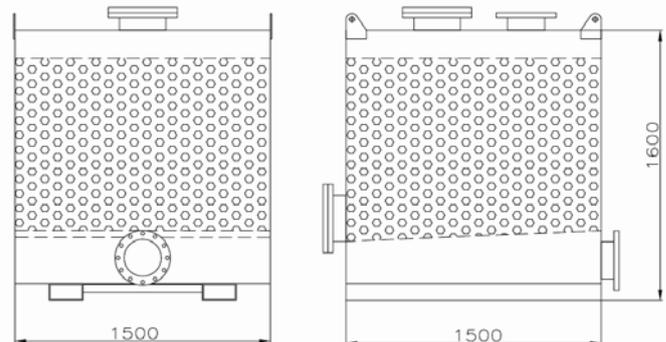
## Modular Carbon Filter Units

The Vent-Carb™-3000 modular filter unit provides a convenient and easy-to-use solution to emissions from a variety of emission flow rate applications, including storage tank vents, vacuum pump discharges, interstitial air Sparging and road tanker transfers and industrial process.

The design of the Vent-Carb™-3000 ensures that the gas is evenly distributed across the activated carbon filter bed. This allows the entire filter bed to be utilized, thus optimizing operational life, and preventing localized heating at points of gas flow entry.

The type of activated carbon used can be selected to provide the optimum adsorption capacity or to utilize specifically impregnated products to assist in the removal of certain inorganic gases such as hydrogen Sulphide, ammonia, formaldehyde or mercury.

The Vent-Carb™-3000 is designed as a permanent-use unit, which is removed from service when saturated and re filled with new carbon .it can be handled easily by fork lift and crane. Several units can be connected together to form an unlimited sized filtering system. For full details on commissioning, configuration and operation of the Vent-Carb™-3000 units, please consult the factory



### Technical Information

<u>Parameter</u>	<u>Detail</u>
Carbon volume	1.65 - 3.0 M <sup>3</sup>
Height (mm)	1600
Dimensions (mm)	1500 X 1500
Inlet/Outlet	4"- 10" # 150 flange
Weight (kg clean)	1930kg (max)
Maximum flow (m <sup>3</sup> h <sup>-1</sup> )	5000
Minimum flow (m <sup>3</sup> h <sup>-1</sup> ) †	1000
<b><u>Pressure drop (mbar)*</u></b>	
@ 1000m <sup>3</sup> h <sup>-1</sup>	1.0
@ 2500m <sup>3</sup> h <sup>-1</sup>	8.0
@ 5000m <sup>3</sup> h <sup>-1</sup>	26.0

<u>Adsorption capacity (mg g<sup>-1</sup>)**</u>	<u>10 ppmv</u>	<u>100 ppmv</u>	<u>1000 ppmv</u>
Styrene	238	310	385
Trichloroethylene	154	258	400
Toluene	154	222	290

† assumes O<sub>2</sub> environment - please consult the factory  
 \* based on use of 4mm Ø pellets or 3x6USS granules  
 \*\* based on Vent-Sorb GXB product

### Application Data

#### Contaminant

Organic  
 (Aliphatic)  
 (Aromatic)  
 (Chlorinated))  
 Acid gases

Mercury  
 Ammonia  
 Formaldehyde

Amines

P.O.B. 10400 HAIFA BAY 26123 ISRAEL. Tel. 972-4-8411110, Fax. 972-4-8411749, Tlx. 46400 BXHA IL.

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