

MINIDISPOSORB - DISPOSORB Sales Specifications



MINIDISPOSORB



DISPOSORB

DESCRIPTION

The **DISPOSORB** and **MINIDISPOSORB** are small disposable granular activated carbon adsorbers designed for the removal of compounds such as colour, taste, odour and pesticides from liquids. The vessels can be used as pilot units or for small flow applications common in the chemical and pharmaceutical industries.

The **DISPOSORB** and **MINIDISPOSORB** are delivered to a site and moved by a trolley where required. The units contain respectively 1000 liter and 150 liter of activated carbon.

The range of available carbons and the material of the vessel allow a wide range of liquids to be treated. The unit can be preloaded with activated carbon for a quicker start-up.

The **DISPOSORB** and **MINIDISPOSORB** operate in a downflow mode. Liquid enters at the top and is then discharged from the vessel bottom via an internal underdrain and a dip-pipe to the top of the vessel. Inlet and outlet connections are threaded female connections drilled in a bushing marked 'IN' and 'OUT'. The activated carbon loading is performed at Chemviron Carbon facility. The unit can be operated in series or parallel together with other units.

When the carbon becomes saturated, the unit is disconnected from the process stream and the unit together with spent carbon are disposed of by the users. Chemviron Carbon does not take the carbon or the unit back for disposal or recycling.

FEATURES

- A mobile unit designed for **rapid and easy site installation** by trolley.
- Corrosion resistant plastic materials
- Adsorbers are shipped with carbon such that **start up is immediate**.

APPLICATIONS

The units have been designed for small scale applications for corrosive liquids including waste waters not suitable to be treated by stainless steel adsorbers. The **MINIDISPOSORB** and **DISPOSORB** can be used for following applications:

- Potable water
- Waste Water treatment
- Landfill leachate
- Groundwater remediation
- Hydrochloric acid purification
- Aluminium chloride purification
- Chemical purification

TECHNICAL DESCRIPTION

MINIDISPOSORB

Carbon volume per adsorber	150 liter
Flow rate, maximum	1 m ³ /h
Temperature, maximum	40°C
Pressure, maximum ¹	0.5 bar (gauge)
Suspended solids ²	Up to 10mg/l
Diameter	600 mm
Straight side	700 mm
Connections – Main inlet/outlet	¾" female BSP
Vessel materials	Polyethylene HDPE
Piping material	Polypropylene
Footprint	600mm x 600m
Height – upright	1.0 m
Recommended clearance	1.3 m
Weight – shipping (dry carbon)	100 kg
Weight – operating (flooded)	280 kg

¹ The unit is not vacuum rated.

² Depending on the flow and composition.

DISPOSORB

Carbon volume per adsorber	1000 liter
Flow rate, maximum	6 m ³ /h
Temperature, maximum	40 °C
Pressure, maximum ¹	0.5 bar (gauge)
Suspended solids ²	Up to 10mg/l
Diameter	1100 mm
Straight side	1200 mm
Connections – Main inlet/outlet	2" female BSP
Vessel materials	Polyethylene HDPE
Piping material	Polypropylene
Footprint	1100mm x 1100m
Height – upright	1.8 m
Recommended clearance	2.0 m
Weight – shipping (dry carbon)	600 kg
Weight – operating (flooded)	3000 kg

¹ The unit is not vacuum rated.

² Depending on the flow and composition.

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** certification for their quality management system related to activated carbon. **Chemviron Carbon** guarantees the specifications against representative sampling.

CHEMVRON 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 optimising 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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ES2070 - FR - 01.03.2007



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