PROTECT™ RO SERIES
High Volume Vapor Adsorbers

Description
The PROTECT RO Series are portable adsorbers that can easily be put into service where high flow rates are expected. With a media capacity of up to 18,000-lbs., the PROTECT RO Series can handle flow rates up to 10,000-cfm.

<table>
<thead>
<tr>
<th>Model #</th>
<th>Standard GAC ft³/lbs</th>
<th>Maximum GAC ft³/lbs</th>
<th>Recommended Maximum Flow Rate</th>
<th>Estimated Empty Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>RO-6</td>
<td>200/6,000</td>
<td>400/12,000</td>
<td>6,000 cfm</td>
<td>11,000 lbs</td>
</tr>
<tr>
<td>RO-10</td>
<td>340/10,000</td>
<td>600/18,000</td>
<td>10,000 cfm</td>
<td>14,000 lbs</td>
</tr>
</tbody>
</table>

Features
- Durable carbon steel construction.
- Upper and lower open-air plenum area designed for maximum carbon utilization.
- Large 36" manway for easy access.
- Built-in ladder rungs.
- Can be shipped empty by flatbed or with carbon on a roll off truck without special requirements or permits.
- (4) ¾” threaded sample ports.
- Lifting lugs.
- Condensate drain.
- Exterior protected with a rust-inhibitive epoxy urethane for a durable finish.
- Can be filled with any of Calgon Carbon’s virgin or reactivated granular or extruded activated carbons.
- Design pressure: 14” w.c.
- Design vacuum: 12” w.c.
- Design temperature: 150° maximum

Pressure Drop
- Estimated pressure drop based on GAC fill amount.
- Volume and weight based on vapor phase bituminous carbon at 30lbs/ft³.
- Estimated pressure drop based on virgin 4x10 carbon.

Available Options
- Internal Lining
- Carbon Saturation Indicator
- Flanged Inlet/Outlet

Higher Operating Pressures or Vacuum Rating

Note
Designs and specifications subject to change.

Warning
Some compounds and/or high concentrations can lead to heat buildup in granular activated carbon and potential bed fire. Contact Calgon Carbon for information.

Safety Message
Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclosed space is required, procedures for work in an oxygen deficient environment should be followed.
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<table>
<thead>
<tr>
<th>Model #</th>
<th>Cross Sectional Area</th>
<th>No of Inlet/Outlets</th>
<th>Inlet/Outlet “C”</th>
<th>Overall Length “D”</th>
<th>Overall Hgt. “E”</th>
<th>Overall Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>RO-6</td>
<td>100 ft²</td>
<td>1</td>
<td>18”</td>
<td>15'-0”</td>
<td>9'-0 ½”±</td>
<td>8'-0”±</td>
</tr>
<tr>
<td>RO-10</td>
<td>150 ft²</td>
<td>2</td>
<td>20”</td>
<td>22'-0”</td>
<td>9'-2 ½”±</td>
<td>8'-0”±</td>
</tr>
</tbody>
</table>

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1.800.4CARBON  calgoncarbon.com

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