PROTECT™ LM SINGLE
Liquid Adsorbers

Description
Protect™ LM Single vessels are designed as low cost pressure adsorbers that are portable and can easily be put into service. Protect™ LM Single adsorbers are capable of operating pressures up to 75 psi, temperatures up to 140°F, and are designed to hold from 500 to 2,000 lbs. of activated carbon.

Features
• Durable carbon steel construction
• Hydrotested to 113 psi
• Lifting lugs and forklift guides to facilitate moving and placement
• Lower PVC collection hub and laterals positioned for superior distribution and eliminates the need for GAC support bed
• Upper PVC flow deflector allow for backwashing
• Threaded influent/effluent connections
• 12”x16” elliptical manway for easy access
• Low profile design
• Heavy duty chemical resistant internal epoxy lining
• Exterior protected with a rust-inhibitive epoxy urethane for a durable finish
• Can be filled with any of Calgon Carbon’s reactivated or virgin activated carbons or other granular media
• Shipped with carbon and ready for service
• 25% Freeboard for backwashing typical

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.
**Model Information**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>GAC ft³/lbs</th>
<th>Recommended Maximum Flow Rate</th>
<th>Estimated Weight (Empty/Shipping)</th>
<th>Diameter “A” (in.)</th>
<th>Diameter “B” (in.)</th>
<th>Inlet/Outlet “C”</th>
<th>Forklift Guides “D” (in.)</th>
<th>Overall Height “E” (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LM-18</td>
<td>18/500</td>
<td>25 gpm</td>
<td>500/1,000</td>
<td>30</td>
<td>48</td>
<td>2” FF</td>
<td>21</td>
<td>~73</td>
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<tr>
<td>LM-36</td>
<td>36/1,000</td>
<td>50 gpm</td>
<td>815/1,815</td>
<td>42</td>
<td>48</td>
<td>2” FF</td>
<td>30</td>
<td>~78</td>
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<tr>
<td>LM-72</td>
<td>72/2,000</td>
<td>70 gpm</td>
<td>1,115/3,115</td>
<td>48</td>
<td>72</td>
<td>2” FF</td>
<td>34</td>
<td>~100</td>
</tr>
</tbody>
</table>

![Plan Diagram](image1.png)

![Elevation Diagram](image2.png)