PACKAGED CARBON SYSTEMS

WE CLEAN THE WORLD’S AIR AND WATER

The KCH Engineered Systems packaged carbon units provide a complete simple to install system. Everything you need, vessel, media, fan, and pre-engineered for multiple airflow rates.

Standard Features

- Accepts many types of media
- Corrosion resistant materials
- Grounding rod
- Differential pressure gauge
- Hold downs
- Lifting lugs
- Media access doors

Optional Items Available from KCH

- Sound enclosures
- Grease filters
- Mist eliminators
- Ductwork
- Stack caps

Applications

- Typically lower (ppm) levels of contaminates
- Pump/lift stations
- Landfill Leachate
- Polishing stage after Wet Scrubber or Biotrickling Filter
- Emergency gas release
- Corrosion testing labs

Benefits

- Low capital cost
- Low maintenance cost
- No on-site chemical storage required
- 100% corrosion-resistant construction
- Wide range of medias available for H2S, VOC, odor, and hazardous air
1. THIS DRAWING IS INTENDED FOR PRELIMINARY DIMENSIONAL PURPOSES AND IS NOT FOR FABRICATION.

2. STANDARD MATERIAL OF CONSTRUCTION ARE POLYLAST™ AND POLY-STRONG™.

3. OTHER AVAILABLE MATERIALS OF CONSTRUCTION INCLUDE: PVC, CPVC, POLYPROPYLENE, POLYETHYLENE, FRP, STEEL, STAINLESS STEEL.

**CARBON ADSORPTION SYSTEM MODEL**

FOR ODOR REMOVAL

**USER:**

**PURCHASER:**

**DATE:**

**JOB NUMBER:**

**C.F.M.:**

**DIFFERENTIAL PRESSURE: 4” W.C.**

**MATERIAL TYPE:**

**SCHEDULE**

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>MAX CFM</th>
<th>STATIC PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Adsorption System-2-2</td>
<td>200</td>
<td>4.0 W.C.</td>
</tr>
<tr>
<td>Carbon Adsorption System-3-0</td>
<td>400</td>
<td>6.0 W.C.</td>
</tr>
<tr>
<td>Carbon Adsorption System-4-0</td>
<td>700</td>
<td>8.0 W.C.</td>
</tr>
<tr>
<td>Carbon Adsorption System-5-0</td>
<td>1000</td>
<td>10.0 W.C.</td>
</tr>
</tbody>
</table>

**NOTE:** LARGER SIZES AVAILABLE UPON REQUEST, CONTACT KCH FOR SIZING.

**KCH SERVICES, INC. • FOREST CITY, N.C.**

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**D I R E C T I O N S**

**B° INLET COMPLETE WITH FLEXIBLE CONNECTION**

**7/16” THRU HOLES (4) TYP. IN BASE PLATE**

**CAST ALUMINUM DIRECT DRIVE EXHAUST FAN COMPLETE WITH DISCHARGE SLIDE GATE DAMPER**

**OUTLET FLANGE FOR CONNECTION TO DIRECT DRIVE EXHAUST FAN (FAN SHALL BE FIELD INSTALLED)**

**BOLT-ON TOP PLATE FOR MEDIA ADDITION AND REMOVAL**

**MEDIA SUPPORT GRATING**

**POLYETHYLENE MEDIA SCREEN**

**KCH ACTIVATED CARBON MEDIA (MEDIA TO BE FIELD INSTALLED)**

**POLYETHYLENE MEDIA SCREEN**

**MEDIA SUPPORT GRATING**

**3/4” PVC TRUE UNION BALL VALVE (SHIPPED LOOSE FOR FIELD INSTALLATION)**

**A° O.D. OF VESSEL**

**2” TYP.**

**J**

**E**

**F**

**H**

**D**

**C**

**I**

**J**

**G**