DURACOAL is a activated carbon fiber cart-
ridge filter of the new type that Osaka Gas
Co., Ltd. jointly developed with our company.
A past actevated carbon fiber is very expen-
sive because it is manufactured by using the
organic fiber. Therefore, the activated carbon
fiber was used only for the limited usage.
Then, our company developed DURACOAL
by using the activated carbon fiber made from
high activation yield special pitch, and achieved
a high cost performance.

FEATURES

● High adsorption speed
  The number of micro-pores on outside surface
  is ten times or more the granular and powdered
  activated carbon.

● Excellent adsorption capacity
  Specific surface areas are larger than the
  granular activated carbon.

● Leakfree of activated carbon fiber
  The inner guard screen prevents the activated
  carbon fiber from leaking out.

● Easy replacement
  Handling is easy because it is the cartridge
  type. And then, it is possible to incinerate.

APPLICATIONS

● Dechlorination
● Deodorization
● Bleaching

SPECIFICATION

| Filteration Accuracy (Nominal) | 10 μ |
| Dimension                     |     |
| Outside Dia.                  | 65 mm ±1 |
| Inside Dia.                   | 26 mm ±1 |
| Length                        | 125mm ±2, 250 mm ±2, 500 mm ±2, 750 mm ±2 |
| Heat Resistance               | 80℃ |
| Standard Flow Rate            | 5~6 L/min. at Length 250mm |

CENTRAL FILTER MFG. CO., LTD. SINGAPORE BRANCH
### COMPARISON WITH GRANULAR ACTIVATED CARBON

<table>
<thead>
<tr>
<th></th>
<th>Size</th>
<th>Specific Surface Area (m²/g)</th>
<th>Outside Surface Area (m²/g)</th>
<th>Micro-pore. Average Dia. (Å)</th>
<th>Construction of Micro-pore</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DURACOAL</strong></td>
<td>Thickness 10~15 μ</td>
<td>700~2500</td>
<td>0.2~0.7</td>
<td>10~40</td>
<td></td>
</tr>
<tr>
<td>Activated Carbon fiber</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Granular activated carbon</strong></td>
<td>Size 1~3 mm</td>
<td>900~1200</td>
<td>~0.01</td>
<td>40~60</td>
<td></td>
</tr>
</tbody>
</table>

**DURACOAL Activated Carbon Fiber**

**Granular Activated Carbon**

### DECHLORINATION & PRESSURE DROP

Flow Rate: 6L/min at Length 250mm and Chlorine Concentration 0.6ppm

![Dechlorination & Pressure Drop Graph]

### MODEL NUMBER IDENTIFICATION

DAC-□□□-□

Option S: Silver Coating, None: Standard

Length: 125, 250, 500, 750mm

We offer a total system from design and manufacturing through to maintenance and contribute to the society.

Please consult TECHNICAL CENTER about the test necessary for the selection of the filter elements.

Technical tie-up with DAICEL CORPORATION

**CENTRAL FILTER MFG. CO., LTD.**

**SINGAPORE BRANCH**

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