Catalytic Ceramic Fiber Filter

*Innovative Dust Collector, All in One Design*

De-Dust!
- Less than 0.001 gr/dscf (2mg/m³) outlet particulate

DeSOx!
- Up to 97% HCl removal
- Up to 95% SO₂ removal

DeNOx!
- Up to 95% NOx removal

**Features:**
- **Replace Bag Filter:**
  Similar usage and high pressure impulse backwashing to traditional bag filter.
- **High-temp resistant & anti-corrosion:**
  Greater performance on high-temperature resistance and corrosive chemical resistance than bag filter.
- **Extended Lifespan:**
  Longer lifespan than ESP.
- **Heat Recycling:**
  The clean air after removal of dust and SOx at high temperature is more valuable to be recycled.

**Application:**
- Incinerators
- Glass Furnaces
- Metallurgical
- Cement
- Diesel engines
- Powder generation
- Waste to energy
Catalytic Ceramic Fiber Filter

Innovative Dust Collector, All in One Design

Process Flow

<table>
<thead>
<tr>
<th>Catalyst Ceramic Fiber Filter</th>
<th>Traditional Bag Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dioxin Removal</strong></td>
<td>Directly discomposed by catalyst</td>
</tr>
<tr>
<td><strong>DeDust Efficiency</strong></td>
<td>( \leq 5 \text{mg/Nm}^3 ) Usually ( \leq 2 \text{mg/Nm}^3 )</td>
</tr>
<tr>
<td><strong>Operation Temp.</strong></td>
<td>250~330( ^{\circ}\text{C} )</td>
</tr>
<tr>
<td><strong>Heat Resistance</strong></td>
<td>Max. 350( ^{\circ}\text{C} )</td>
</tr>
<tr>
<td><strong>Benefit</strong></td>
<td>Save the cost of activated carbon and dust solidification Improve heat recycling.</td>
</tr>
<tr>
<td><strong>Service Life</strong></td>
<td>Up to 5 year above.</td>
</tr>
</tbody>
</table>

http://www.choko.asia/