Catalyst Support Grids
Wedge Wire Screen for Catalyst Support Grids

Introduction

Wedge wire screen panels are widely used as catalyst support screens and grids for the petrochemical and refining industries. The support grids are manufactured by V type profile wire, and screen slot is narrow in the above and wide in the below. It has characteristic of durable structure, high strength, load capacity, precise open area and non-clogging. Support grids have flat surface and are available to allow installation through a manway.

Basic Principle

The support grid is a removable screen and self supporting filtration structure, which used to retain the active media or catalyst, while allow the gas or liquid to pass through. It can also withstand pressure drop over the catalyst bed during the entire catalyst cycle.

Products

Round shape wedge wire screen
Fan shape wedge wire screen

<table>
<thead>
<tr>
<th>Idea for</th>
<th>Screen Size</th>
<th>Features &amp; Benefits</th>
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<tbody>
<tr>
<td>• Sand filters</td>
<td>• 16” OD</td>
<td>• V type wire, non-clogging surface</td>
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<tr>
<td>• Carbon filters</td>
<td>• 20” OD</td>
<td>• Self supporting</td>
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<td>• Lon exchange</td>
<td>• 24” OD</td>
<td>• High open area</td>
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<td>• Molecular sieves bed support</td>
<td>• 36” OD</td>
<td>• Accurate separation</td>
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<td>• Other fixed bed catalyst reactors</td>
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<td>• Resist high pressures, temperatures and stresses.</td>
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<td>• 304 stainless steel construction, corrosion resistance</td>
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Technical Parameters

When ordering, please specify:

1. **Wedge Wire Screen Panel Shape**
   Round shape, fan shape

2. **Slot Hole**

3. **Profile Wire**
   Triangle wire

4. **Support Rod**
   Triangle wire, round rod, flat bar, wedge wire

5. **Support Rod Pitch**

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**Wedge Wire Screen Panel**