

Axial Flow-V-Wire Support Grid**Product Coding**
P310102XXX**Introduction**

V-Wire support grid is a high performance catalyst retention system designed to span the entire reactor diameter and provide secure support for catalyst and inert layers in axial flow reactors. It uses V-Wire screen segments with precise slot openings, delivering exceptionally high open area, low pressure drop, and excellent anti-clogging performance.

The grid is mounted on T-beams for high pressure services or I-beams for lighter loads, and is equipped with perimeter rope packing to eliminate wall gaps.

All components are manufactured with corrosion allowance and undergo full workshop trial assembly to ensure perfect fit and reliable long term operation.

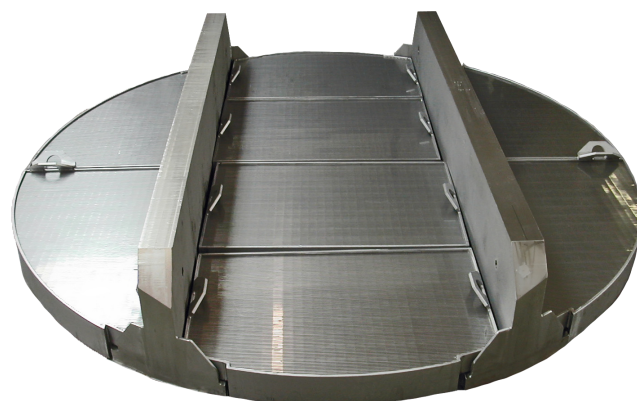
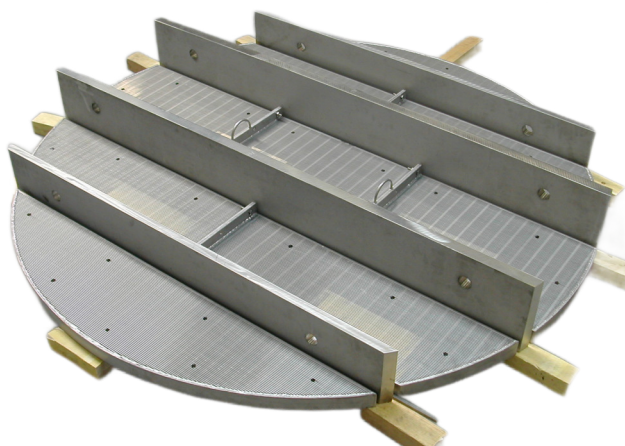
Features

- Safe and secure retention of catalyst and inert layers
- High open area, low pressure drop and efficient flow distribution

- V-Wire geometry provides superior anti-clogging behavior
- Customizable support beam configuration (T-beam or I-beam)
- Modular segment design for easy installation inside the reactor
- Perimeter rope packing prevents bypass and ensures uniform flow
- Long service life with heavy duty construction and corrosion allowance

Applications

- Axial flow fixed bed catalytic reactors
- Hydrotreating, hydrocracking, hydrogenation units
- Petrochemical and refining catalyst beds
- Chemical synthesis reactors
- Support and retention for catalyst, adsorbents, and inert layers



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