

Axial Flow-Grating and Mesh Support Grid

Product Coding
P310102XXX

Introduction

Grating and mesh support grid is a robust and versatile reactor support system combining heavy duty grating for structural strength and precision wire mesh layers for reliable catalyst retention.

It is ideal for services requiring a durable mechanical support with tailored mesh configurations for specific particle size retention needs.

The grid is supported by T-beams or I-beams, fitted with circumferential rope packing, and assembled in modular segments to facilitate installation.

Each unit is manufactured to exact reactor dimensions and verified through workshop trial assembly before delivery.

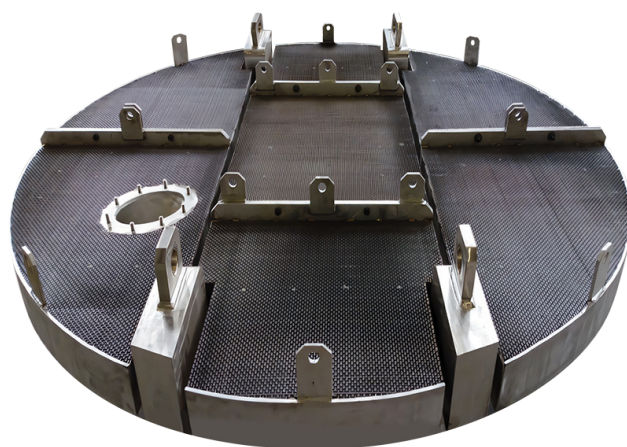
Features

- Strong and rigid design suitable for a wide range of process loads
- Customizable mesh grades for various catalyst sizes
- Moderate pressure drop with excellent retention capability

- Long operational life due to solid mechanical construction
- Easy installation with modular segments
- Perimeter sealing prevents bypass and ensures uniform flow
- Fabricated with corrosion allowance and delivered with trial fit inspection

Applications

- Axial flow catalytic reactors requiring mesh based retention
- Processes with small particle catalyst
- Petrochemical and refinery reactors where mesh retention is preferred
- Chemical process reactors with moderate fouling tendencies
- Alternative solution when wedge wire is not required or not economical



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