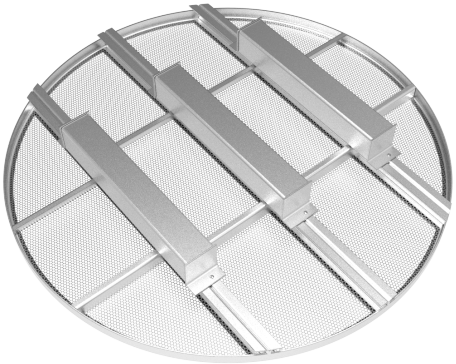
Axial Flow-Floating Hold Down Grid

Product Coding
P3101XXXXX

Introduction

Floating hold down grid is a high performance internals solution designed for axial flow reactors. It provides secure catalyst bed retention while enabling rapid maintenance and safe operation. The floating design accommodates thermal expansion and process dynamics, ensures uniform hold down grid pressure, and enables external removal without the need for personnel entry into the vessel.

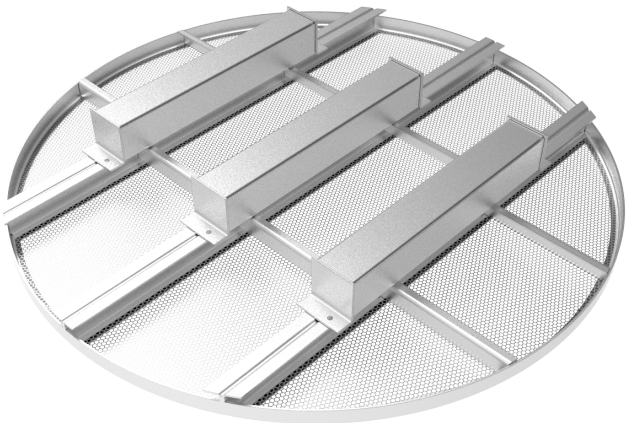


Features

- Floating, non-rigid design that adapts to catalyst bed movement and thermal loads
- Precise slot or perforation geometry for efficient flow distribution and low pressure drop
- Improves safety by eliminating the need for confined space entry during removal
- Durable construction in appropriate materials for high temperature, high pressure, and aggressive environments
- Compatible with retrofit to existing vessels as well as new installations
- Simplified assembly and disassembly reduce turnaround time and operating cost

Applications

- Down flow axial reactors in petrochemical and refining industries
- Hydroprocessing, hydrotreating, hydrocracking units
- Gas synthesis reactors and methanation reactors
- Drying and regeneration vessels with up flow or down flow media
- Any catalytic vessel requiring reliable hold down of bed media under high flow and thermal cycling



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