

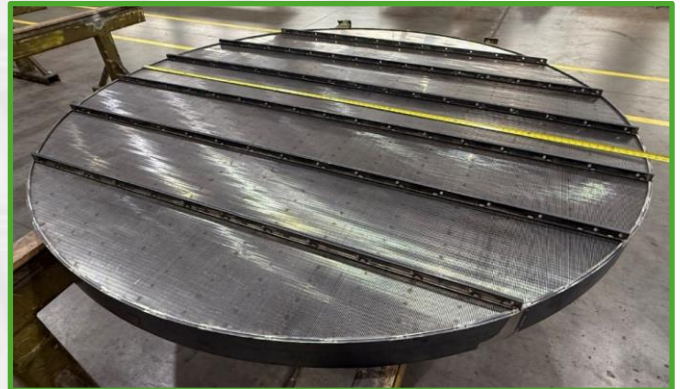
Removable vessel internals are vital elements in the operation of vessels across various industries. A key component in reactor vessels is the catalyst support grid, typically constructed from wedge wire. These grids serve multiple critical functions, the most important being the support of both dead and live loads of the catalyst material during both rest and operation.



Wedge wire support grids are designed not only for structural integrity but also to promote optimal flow and prevent clogging. Their precise design ensures uniform flow distribution by incorporating specific gap spacing and open area percentages.

Delta Screens & Filtration's wedge wire support grids help maintain key attributes of reactor vessels, including:

- ▲ Structural Integrity (of the catalyst bed)
- ▲ Efficient Media Retention and Distribution
- ▲ Enhanced Reaction Efficiency
- ▲ Minimized Pressure Differential
- ▲ Optimal Reactor Performance and Longevity
- ▲ Corrosion Resistance (material selection)



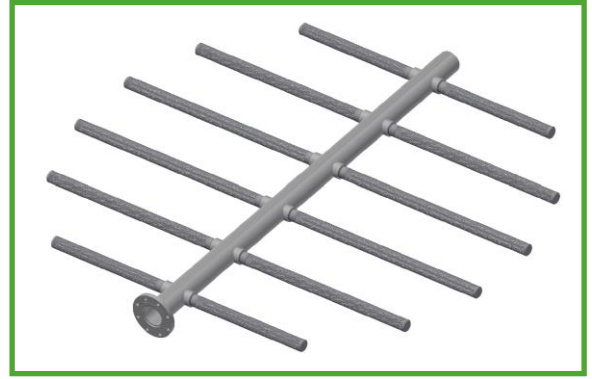
When selecting Delta Screens & Filtration for your next catalyst support grid or removable vessel internal assembly (see examples on the back page), you can rest assured knowing you're choosing a trusted partner. Our team of experienced engineers, designers, and technical sales professionals will make your project seamless, with rapid response from RFQ through to delivery.

All our custom screen fabrications are proudly made in the USA (Houston, TX) and adhere to ISO 9001 standards, ensuring a competitive, high-quality, and durable solution for you and your clients.

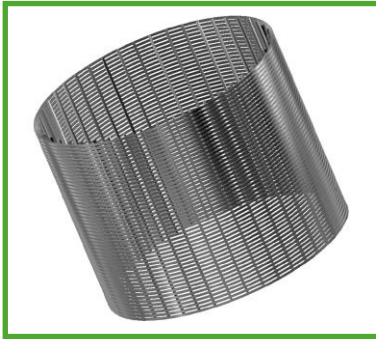
Some additional examples of wedge wire screens used in vessels and other filtration applications:



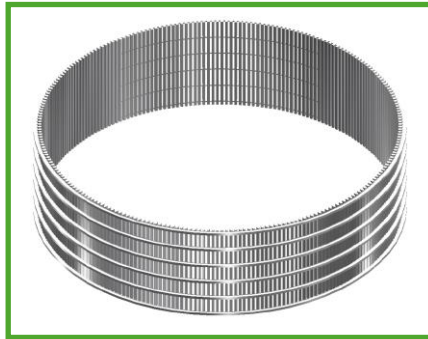
Hub Lateral Assemblies



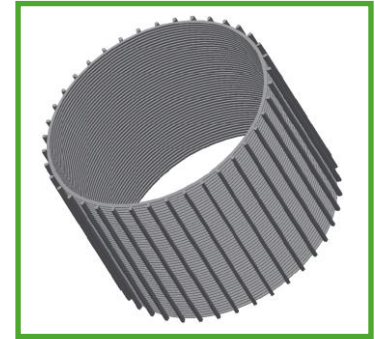
Pipe Base Lateral Assemblies



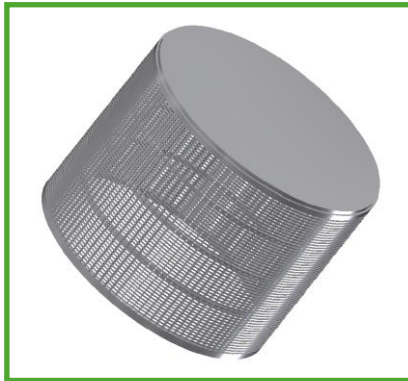
Standard Screen



Reverse Axial Screen



Re-Rolled Screen



Basket Filters



Inlet Filters and Pipe Strainers

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For general industrial capabilities and info: [Industrial | Delta Screens](#)

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