

Radial Flow-SCS (Spent Catalyst Screen) Basket**Product Coding**
P320103XXX**Introduction**

Spent catalyst screen basket is a patented technology by Euroslot Pars for radial flow reactors, designed to enhance process performance while reducing operating and maintenance costs in refineries and petrochemical plants. It's used as a replacement for traditional outer baskets and scallops, addressing the performance and maintenance challenges associated with these older designs. The SCS basket consists of longitudinal hollow conduits arranged around the catalyst bed in a peripheral ring. Manufactured in rigid segments, it features a patented saw tooth connection that ensures perfect sealing against catalyst leakage. Each segment can be individually removed or replaced for maintenance or repair.

**Features**

- Precisely engineered screen structure for effective catalyst retention
- Optimized slot size to prevent catalyst loss while maintaining low pressure drop
- High open area design for excellent hydraulic performance
- Robust mechanical strength for continuous operation
- Resistant to plugging and fouling
- Smooth internal surfaces to minimize catalyst attrition
- Capable of operating under high temperature and pressure conditions
- Modular basket construction for easy installation and replacement
- Fabricated from carbon steel, stainless steel, or high alloy materials
- Custom designed to match catalyst size, reactor geometry, and process duty



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Applications

- Radial structured reactors
- Moving bed catalytic reforming units
- Aromatics and hydrogen production reactors
- Catalyst collection and withdrawal systems
- High pressure refinery and petrochemical reactors
- Reactor revamp projects requiring improved catalyst separation performance



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