

**Axial Flow-Scale Trap****Product Coding**  
**P310104XXX****Introduction**

Scale trap is a set of precision engineered V-Wire screen baskets designed to protect catalyst beds by trapping scale, rust, and other contaminants introduced during installation or maintenance. Positioned at the top of the reactor in down flow hydrogenation processes, these baskets also improve gas or liquid distribution across the catalyst surface, helping to prevent surface coking. Each scale trap typically consists of several concentric rings attached to V-Wire baskets, with diameters ranging from 120-200 mm, heights from 500-900 mm, and slot openings between 0.8-1.5 mm. This robust, anti-clogging design ensures reliable operation, extended catalyst life, and optimal reactor performance.

Scale traps are typically installed upstream of packed beds or within the inlet section of a reactor, where they intercept particulates before they enter critical mass transfer or reaction zones.

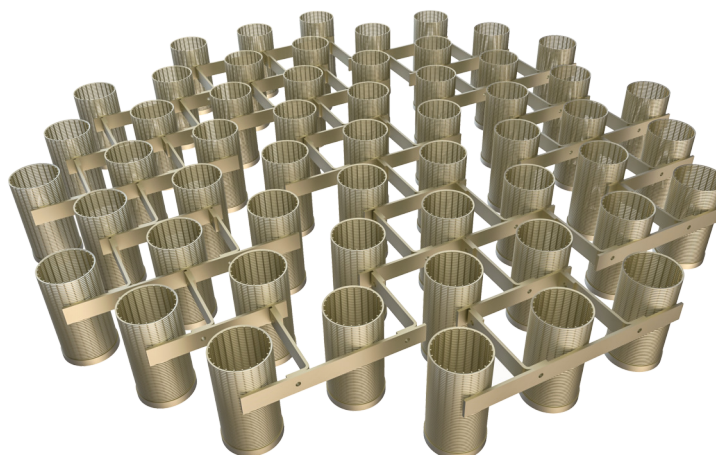
Their high open area, robust construction ensures efficient solids retention while maintaining low pressure drop and high mechanical reliability.

**Features**

- **Custom engineering:** The application or detailed design as per specification
- **Strength:** Low deflection of the tray during operation
- **Manufacturing:** Tight manufacturing tolerances on panel flatness
- **Trial assembly at Euroslot Pars's shop:** Standard control assessed by a report
- **Prevents hotspots and catalyst damage:** Protection of downstream catalyst beds from thermal stress and uneven loading
- **Non-clogging V-Wire options:** Ideal for continuous operation and high solid feeds

**Applications**

- Downstream catalyst beds
- Wastewater treatment
- Mining
- General industrial filtration



Tel.: +98 21 88686942-3  
Fax: +98 21 88686168  
Sales@euroslot-pars.com



www.euroslot-pars.com  
Linkedin.com/in/euroslot-pars-6a11123ab  
Youtube.com/@Euroslot-pars



Office: No. 2, Unit 2, East 32<sup>nd</sup>  
(East Qeysari) St., South Allameh Ave.,  
Sa'adat Abad Area, Tehran, Iran