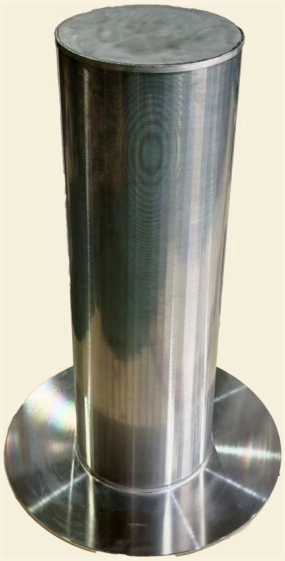
WEDGE WIRE PRODUCT

# Resin traps

At SIMO Screens, we make inline resin traps that stop escaped resin and media before they reach pumps and downstream units.

**When a lateral or nozzle fails, the trap catches the resin at the outlet, so the cost is a resin top-up, not a damaged pump or a contaminated line.**

| ELEMENT | HOUSING | SLOT |
|---|---|---|
| **Removable wedge wire** | **Stainless; CS or lined on request** | **Below the smallest bead** |



V-PROFILED WIRE

### Resists clogging. Carries the pressure. Opens more area.

The wire meets a particle at two points and the slot widens behind the face, so what passes cannot lodge.

WELDED AT EVERY JUNCTION

### Holds its slot under load.

Each wire is resistance welded to every support rod, so the screen resists pressure transients up to 300 PSI and thermal cycling without stretching or tearing.

BUILT TO YOUR EQUIPMENT

### Fits at the first shutdown.

Made to your drawing, sample or vessel, in the alloy the medium calls for, so it drops into the equipment already in place.

## FEATURES AND BENEFITS

### Fixed, welded slot

The element slot is set below the smallest bead size and does not tear or stretch.

### Low clean pressure drop

High open area on the continuous slot keeps the clean pressure drop low at full flow.

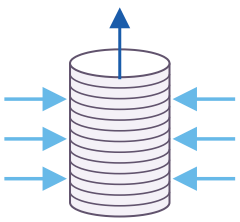
### Non-clogging element

The flat wire face meets the beads and the slot widens behind it.

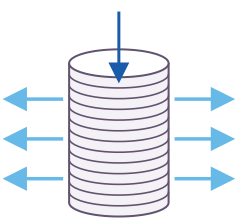
### Visible and serviceable

A sight glass, quick-opening cover and pressure tappings make it simple to check the trap and remove the element.

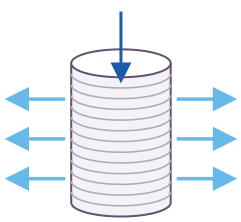
## FLOW CONFIGURATIONS



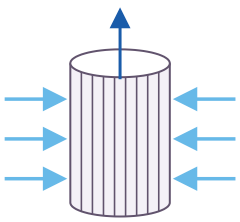
RADIAL EXTERNAL
Flow outside to inside



RADIAL EXTERNAL
Flow inside to outside



RADIAL INTERNAL
Flow inside to outside



AXIAL EXTERNAL
Flow outside to inside

SPECIFICATION

## Ranges and options

| | |
|---|---|
| **Element slot opening** | 25 microns (0.025 mm) to 25 mm |
| **Slot tolerance** | Plus or minus 5% of nominal, stated on the drawing |
| **Element diameter** | 25 mm to 800 mm |
| **Profile wire** | Light, standard, heavy duty or custom: 12SB to 56SB |
| **Support rods** | Q23, Q35, Q55, 35SB, F123, F203, F253, round 120, round 140 |
| **Element materials** | SS 304, SS 316L, Duplex 2205, Super Duplex 2507, Hastelloy, Monel |
| **Housing materials** | Stainless steel; carbon steel or lined on request |
| **Flow configuration** | Radial external outside to inside, or radial internal inside to outside |
| **Connections** | Flanged inlet and outlet to the line size and flange standard |

QUALITY

### ISO 9001:2015
Quality system covering design, production and inspection.

### Slot control
Feeler gauges through the run; optical measurement where a gauge cannot be used.

### Final inspection
Report records minimum, maximum and mean slot against tolerance.

### Traceability
QR-coded tag (laser marking where required); heat numbers traced to the MTC.

OFTEN SUPPLIED WITH

- Header and hub laterals
- Filter nozzles
- Outlet baskets and collectors

HOW WE ENGINEER YOUR SCREEN

**01** **Share the requirement**
Drawing, sample or process data

**02** **Engineering review**
Slot, profile, rod, material and flow

**03** **CFD and FEA**
Pressure drop and strength, where required

**04** **Drawing approval**
GA drawing and datasheet approved

**05** **Manufacture**
Resistance welded and fully inspected

**06** **Dispatch**
Mill Test Certificate with every product

FOR A QUOTATION, SEND OUR ENGINEERS

01 Service: DM plant, mixed bed, condensate polisher, softener or process line.

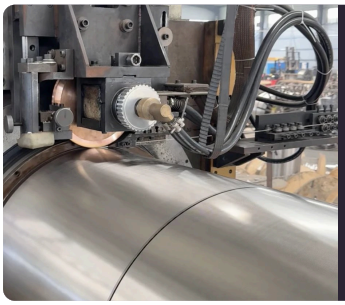
02 Line size and flange standard.

03 Design flow rate and allowable clean pressure drop.

04 Design pressure, temperature and the design code for the housing.

05 Resin or media type, with the size range from the data sheet.

06 Fluid chemistry, including any regenerant that can reach the trap.



## Send your resin traps specification

sales@simoscreens.com · +91 93730 08466 (phone and WhatsApp)

Scan to open the specification form. Our engineers will connect with you within a working day.