WEDGE WIRE PRODUCT

Outlet baskets and collectors

At SIMO Screens, we make outlet baskets and collectors that keep media in the vessel and protect the equipment after it.

Media stays in the vessel and the equipment after it stays protected, run after run.

CONSTRUCTION	FIXING	MATERIALS
Resistance welded	**Flanged or bolted**	**SS 304 to Hastelloy**



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

Large flow area

The continuous slot gives a high open area in a compact basket, which keeps pressure drop low at full flow.

Non-clogging slot

The slot widens inward from the face, so particles stay on the surface or pass through without lodging.

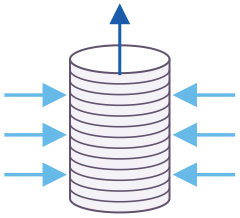
Welded construction

Resistance welding at every wire and rod intersection resists thermal cycling and pressure transients up to 300 PSI.

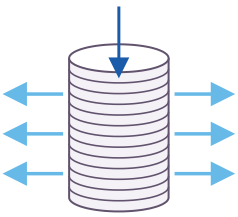
Built to the vessel

Base flanges, caps and reinforcing rings are fabricated to the outlet nozzle detail and the purchaser's internals specification.

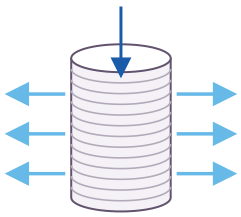
FLOW CONFIGURATIONS



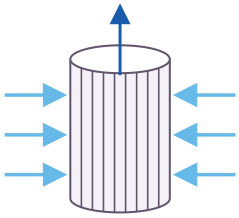
RADIAL EXTERNAL
Flow outside to inside



RADIAL EXTERNAL
Flow inside to outside



RADIAL INTERNAL
Flow inside to outside



AXIAL EXTERNAL
Flow outside to inside

USED IN

OIL, GAS AND PETROCHEMICALS · CHEMICALS, FERTILISERS AND PHARMA · FOOD PROCESSING · WATER AND WASTEWATER TREATMENT

SPECIFICATION

Ranges and options

Slot opening	25 microns (0.025 mm) to 25 mm, tolerance plus or minus 5% of nominal
Basket diameter	25 to 800 mm
Basket length	Up to 6,000 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
Flow configuration	Radial, external profile, outside to inside
Top cap	Flat or domed, solid or screened
Base fixing	Flanged, clamped or welded to the nozzle
Construction	Resistance welded at every intersection; resists thermal cycling and pressure transients up to 300 PSI

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

- Support grids
- Screen cylinders
- Resin traps
- Candle filter elements

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 Vessel type and service: reactor, drier, adsorber, tank or pump suction.

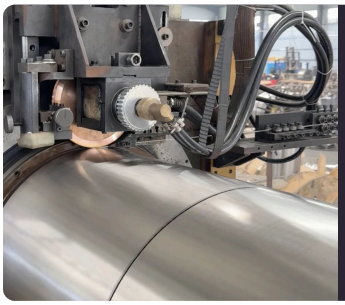
02 Outlet nozzle size and detail, with a vessel drawing if available.

03 Media type and smallest particle size, or the debris to be caught.

04 Flow rate and allowable pressure drop.

05 Design pressure and temperature.

06 Process fluid and contaminants.



Send your outlet baskets and collectors 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.