WEDGE WIRE PRODUCT

Pressure screen baskets

At SIMO Screens, we make pressure screen baskets for stock preparation and fibre recovery, with contoured profiles developed to order.

An accurate slot and contoured profile hold fibre recovery steady through the run, and the basket is rebuilt to the machine.

SLOT	PROFILES	COATING
From 0.1 mm	Standard or contoured	Chrome plating on request



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

Precise slot

The slot is held to plus or minus 5 percent of nominal, which keeps the separation consistent across the full basket.

Free passage of fibre

The V-profile slot widens behind the face, so fibre and fines pass freely while larger contaminants stay on the face for the.

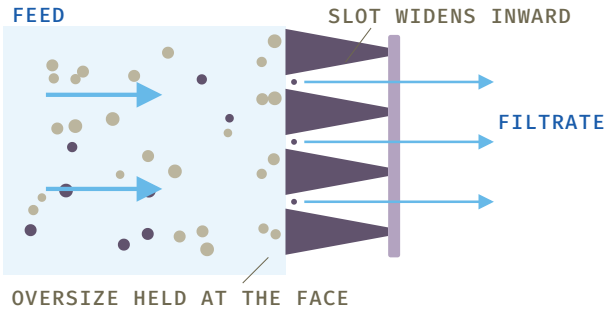
Fatigue-resistant construction

Resistance welding at every wire and rod intersection gives a rigid basket that withstands rotor pulsation and pressure transients up to 300.

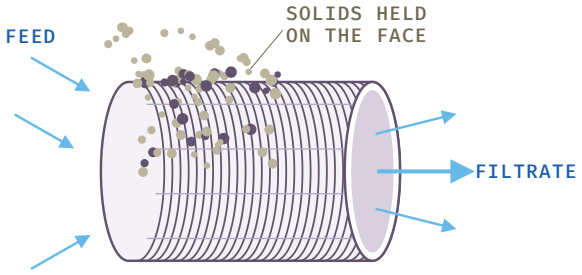
Profile options

Light, standard, heavy duty and custom profiles are available, and contoured profiles can be developed for the slot entry.

HOW THE SLOT WORKS



Oversize is held at the face; the slot widens inward, so whatever passes cannot lodge.



On a cylinder, flow passes from outside to inside and solids stay on the slot face.

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; contoured profiles on request
Support rods	Q23, Q35, Q55, 35SB, F123, F203, F253, round 120, round 140
Flow configuration	Radial internal, inside to outside (outflow), or radial external, outside to inside (inflow)
Surface options	Hard chrome plating through approved agencies
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

- Sieve bend (DSM) screens
- Screw press screens
- Rotary drum screens
- Screen cylinders

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 Pressure screen make, model and size.

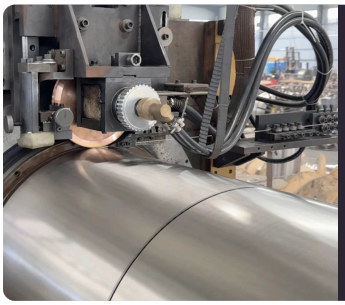
02 Position in the line: coarse, fine, approach flow or fibre recovery.

03 OEM basket drawing, or the worn basket or a sample.

04 Current slot width and wire profile, if known.

05 Furnish type and consistency.

06 Problems with the present basket: wear, blinding, cracking or poor cleanliness.



Send your pressure screen baskets specification

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