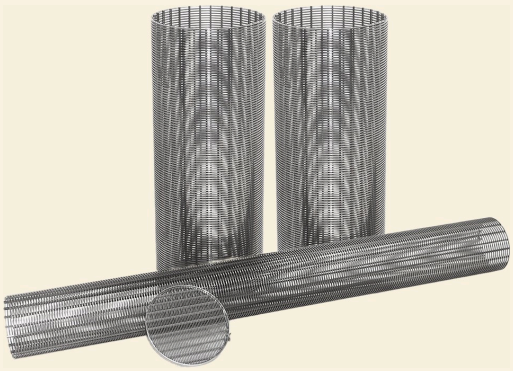
WEDGE WIRE PRODUCT

Screen cylinders

At SIMO Screens, we make screen cylinders with inside or outside profiles, built to drawing in lengths up to 6,000 mm.

A welded cylinder holds its roundness and slot under differential pressure, so it seals in its housing run after run.

DIAMETERS	LENGTHS	FLOW
25 to 800 mm	Up to 6,000 mm	Four configurations



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

Continuous slot

The helical slot runs the full length of the cylinder, which gives a high open area and a low pressure drop for.

Non-clogging geometry

Two-point contact at the wire face and an inward-widening slot prevent particles from lodging, so the surface stays open between cleaning cycles.

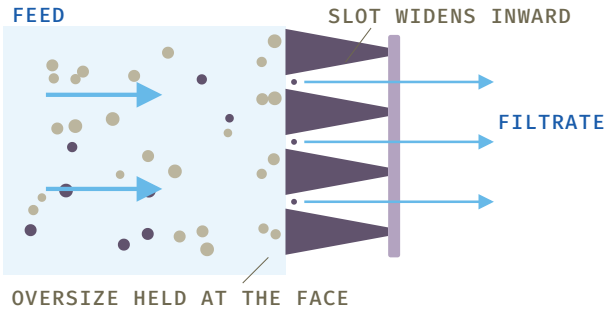
Welded construction

Resistance welding at every wire and rod intersection produces a rigid element that resists thermal cycling and pressure transients up to 300.

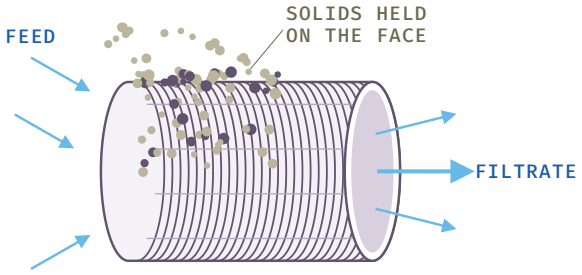
Choice of flow direction

External and internal profiles place the flat wire face on the side where the solids are retained, for outside-to-inside or inside-to-outside flow.

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
Diameter	25 to 800 mm; larger sizes as segmented or fabricated designs
Length	Up to 6,000 mm per section
Forms	Cylindrical, conical, curved and segmented
Profile wire	Light, standard, heavy duty or custom, 12SB to 56SB
Support rods	Q23, Q35, Q55, 35SB, F123, F203, F253, round 120, round 140
Materials	SS 304 and SS 316L for most water, food and pulp service; Duplex 2205 and Super Duplex 2507 for chlorides and higher loads; Hastelloy C-276 and Monel for strongly corrosive service
Flow configuration	Any of the four configurations above
End connections	Flanges, end rings, threaded ends, blind caps, lifting lugs, reinforcing rings

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

- Screen tubes and pipes
- Rotary drum screens
- Screw press screens
- 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 The equipment the cylinder fits, with a drawing or a sample if available.

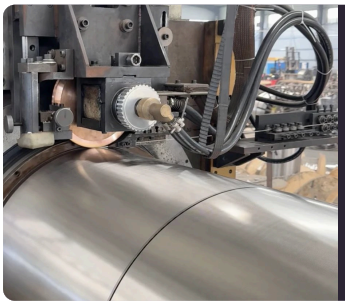
02 Flow direction and the side on which solids are retained.

03 Inside or outside diameter, and overall length.

04 Slot size, or the particle size you need to retain.

05 Differential pressure, operating temperature and any mechanical load such as torque.

06 End connections and fittings.



Send your screen cylinders 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.