WEDGE WIRE PRODUCT

Screen tubes and pipes

At SIMO Screens, we make screen tubes and pipes with threaded, welded or flanged ends, held to a slot tolerance of plus or minus 5 percent.

A tube held to plus or minus 5 percent slot passes the flow and holds the media, from the first run to the last.



DIAMETERS	LENGTHS	SLOT TOLERANCE
25 to 800 mm	Up to 6,000 mm	Plus or minus 5 percent

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

A single helical slot along the full length gives high open area and an even flow profile.

Stable slot width

Welding at every intersection holds the slot to plus or minus 5 percent of nominal through backwash and temperature cycles.

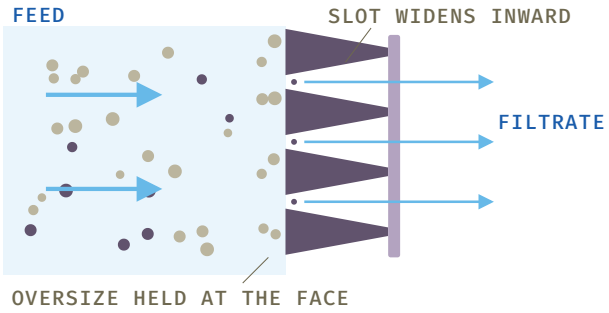
Non-clogging geometry

With the flat wire face outside and the slot widening inward, particles stay on the surface or pass straight through.

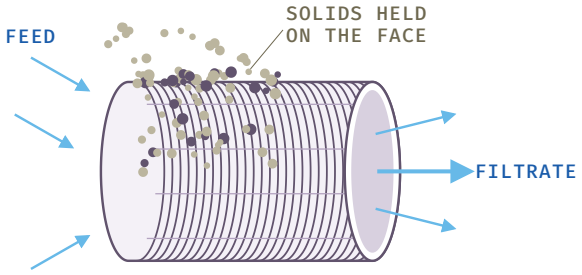
Rod-based or pipe-based

Rod-based tubes are light with high open area, while pipe-based screens carry high tensile and collapse loads.

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
Length	Up to 6,000 mm
Construction type	Rod-based or pipe-based
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, SS 316L, Duplex 2205, Super Duplex 2507, Hastelloy C-276, Monel
End connections	Plain, threaded, flanged or socket ends; blind caps
Flow configuration	Radial, external profile, outside to inside, or as the application requires

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
- Water well screens
- Screen cylinders
- Filter nozzles

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 Application: lateral, well point, collector, strainer or other.

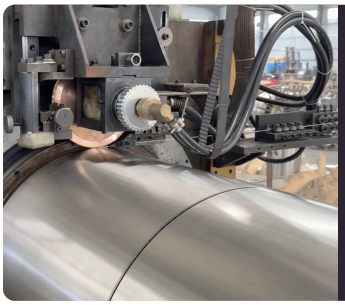
02 Outside diameter and length of each tube, and the quantity.

03 Slot size, or the media or particle size to retain.

04 Flow rate and allowable pressure drop.

05 End connection at each end, with the thread or flange standard.

06 Loads: depth, collapse pressure, tension or backwash pressure.



Send your screen tubes and pipes specification

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