# SIMO SCREENS

## WATER AND WASTEWATER TREATMENT

**Laterals, nozzles, resin traps and intake screens for DM, softening, filtration and intake service.**

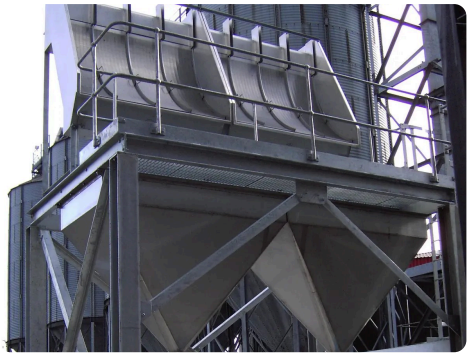
- PRECISION FILTRATION
- STRENGTH AND DURABILITY
- NON-CLOGGING OPEN AREA
- RESISTANCE WELDED
- STAINLESS AND SPECIAL ALLOYS
- ENGINEERED TO ORDER



WATER AND WASTEWATER TREATMENT

# Where our screens sit in the plant

At SIMO Screens, we make the internals that keep treatment trains on line between planned shutdowns. Our laterals, nozzles and resin traps hold the media in the vessel and spread service and backwash flow evenly across the bed, and our intake screens keep debris out of the plant at the river or reservoir.



Row of curved sieve bend screens on an elevated steel platform above collection hoppers.

| SLOT OPENINGS | MATERIALS | DOCUMENTS |
|---|---|---|
| **0.1 to 25 mm typical** | **SS 304 to Super Duplex** | **MTC with every product** |

## WHAT IT MEANS FOR YOUR PLANT

### Media stays in the vessel

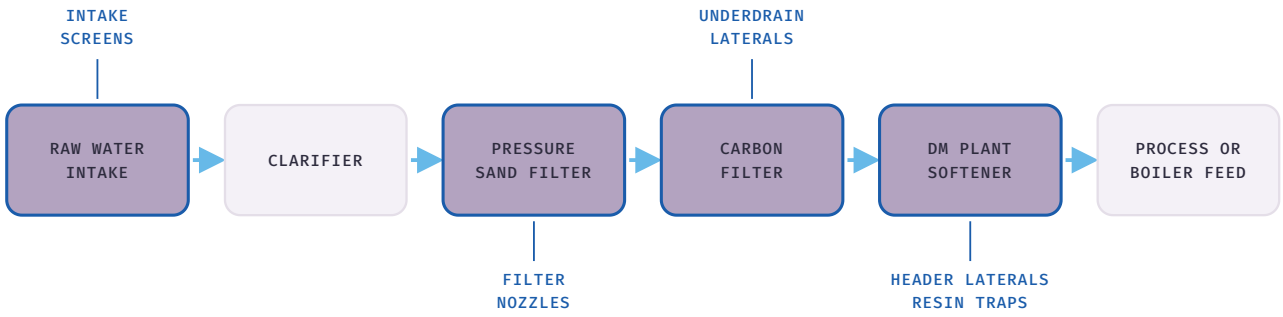
Laterals and nozzles hold resin and sand at the specified slot, so beds are not lost to drain or to the next unit.

### Even flow over the whole bed

Lateral spacing and slot are set to the vessel, so service and backwash reach the whole bed without dead zones.

### Clear intakes

Passive intake screens keep debris out at low through-slot velocity, so pumps and filters downstream run between planned cleanings.



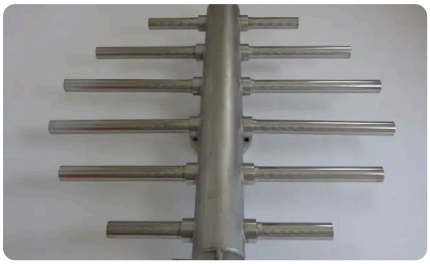

Highlighted stages use SIMO wedge wire.

## SELECTION

| PLANT OR EQUIPMENT | SIMO SCREENS PRODUCT |
|---|---|
| **DM plant and softener vessels, condensate polishers** | Header and hub laterals, Resin traps |
| **Pressure sand, activated carbon and multigrade filters** | Filter nozzles, Header and hub laterals, Support grids |
| **River, lake and reservoir intakes** | Passive intake screens |
| **STP and ETP inlet works, sludge dewatering** | Sieve bend (DSM) screens, Rotary drum screens, Screw press screens |

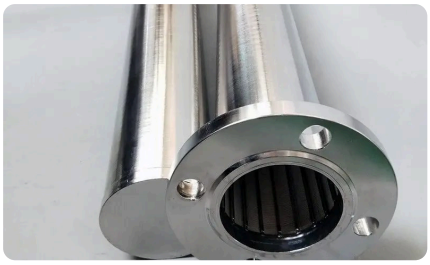
PRODUCTS

# Made at our Nagpur works



### 01. Header and hub laterals

Header, hub and lateral underdrains for ion exchange, DM and filter vessels.



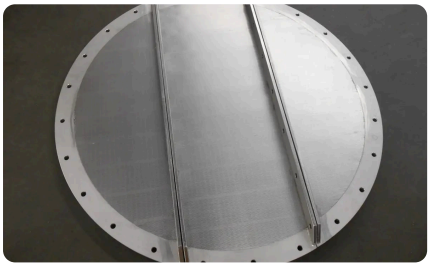
### 02. Resin traps

Inline wedge wire resin traps that stop escaped resin before pumps and downstream units.



### 03. Filter nozzles

Stainless steel wedge wire filter nozzles for sand, carbon and multigrade filters.



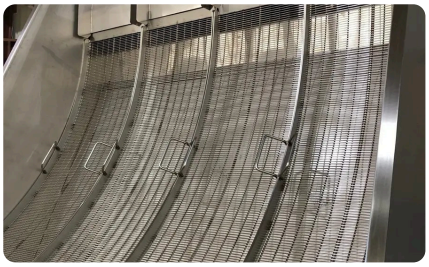
### 04. Support grids

Support grids and bed supports for reactors, vessels and false bottoms.



### 05. Passive intake screens

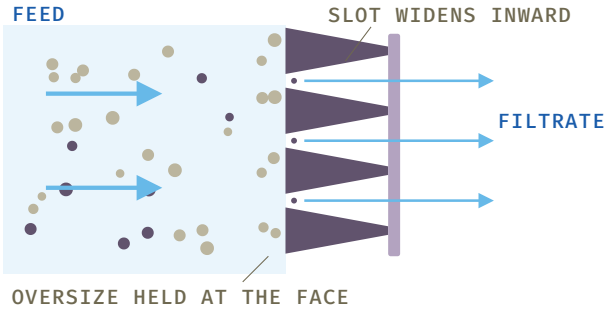
Passive wedge wire intake screens for rivers, lakes, reservoirs and cooling water.



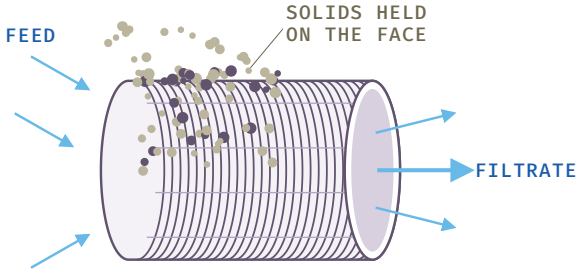
### 06. Sieve bend (DSM) screens

Static sieve bend (DSM) screens for dewatering, desliming and fibre recovery.

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.

FOR A QUOTATION, SEND OUR ENGINEERS

01 Equipment and service.

02 Vessel drawing with diameter, height, nozzle positions and bottom shape: flat, dished or with a nozzle plate.

03 Service flow, backwash or regeneration flow, and design pressure.

04 Media type and size range: resin grade, sand or carbon size, or the solids to be removed.

05 Water analysis, especially chlorides, pH and temperature, or your material specification.

06 Required slot size, if you already have one, and the connection type: threaded, flanged or welded.

SIMO SCREENS

# Engineered guidance, reliable solutions

At SIMO Screens, our engineers work with you to understand the process, recommend the right design and stand behind its performance. Our engineers will connect with you within a working day.

### 01. Send a drawing

A drawing or a datasheet line is enough to begin.

### 02. Replace an existing screen

Send the screen, photographs with dimensions or its part number.

### 03. Start from process data

Flow, pressure, temperature, particle size and medium.

CUSTOMERS INCLUDE

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IS 8110:2019

MAKE IN INDIA

ISO 9001:2015 quality system
Water well screens to IS 8110:2019


**+91 93730 08466**

Phone and WhatsApp
sales@simoscreens.com
www.simoscreens.com

**Works**
Shed C, Plot No. 12, GSP Pyramid, Saigaon Road, MIDC Butibori, Nagpur 441122

**Registered office**
504 Brij Bhumi, Plot 263/264, CA Road, Near Telephone Exchange Square, Nagpur 440008


SEND YOUR SPECIFICATION


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