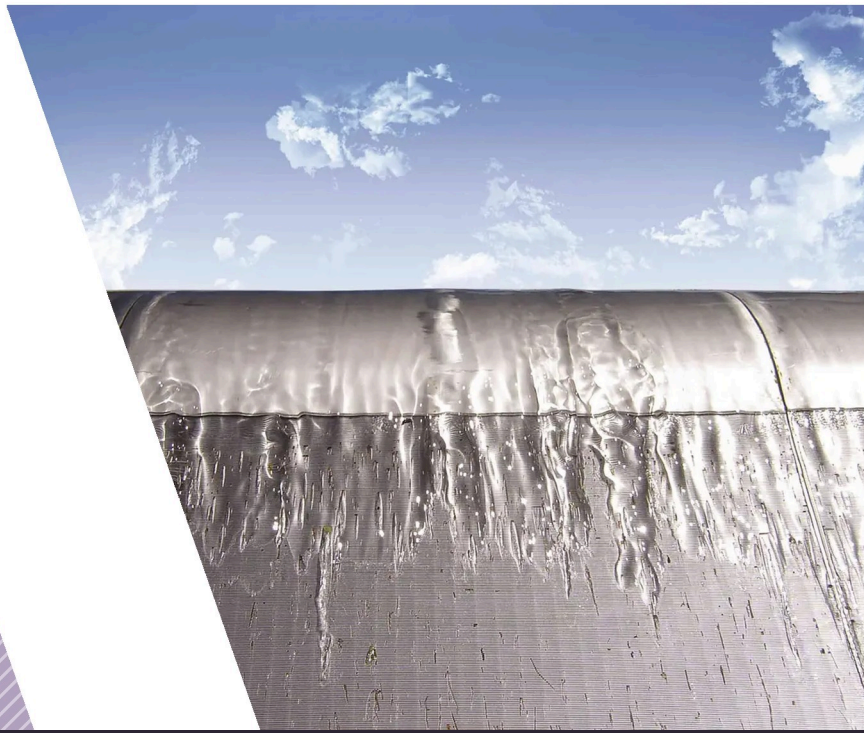
# SIMO SCREENS

## POWER GENERATION

**Condensate polisher and DM plant internals, resin traps and cooling water intake screens.**

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



POWER GENERATION

# Where our screens sit in the plant

At SIMO Screens, we make condensate polisher and DM plant internals, resin traps and cooling water intake screens. Our laterals hold the resin and distribute flow evenly, and the welded construction resists pressure transients up to 300 PSI.



Dense array of wedge wire lateral tubes radiating from a central hub.

| LATERALS | PRESSURE TRANSIENTS | DOCUMENTS |
|---|---|---|
| **12SB or 15SB profile** | **Up to 300 PSI** | **MTC with every product** |

## WHAT IT MEANS FOR YOUR PLANT

### Resin stays in the polisher

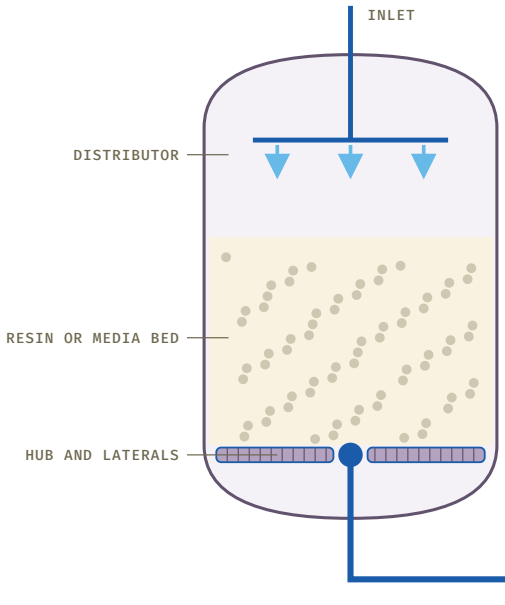
Laterals and resin traps hold resin in condensate polishers and DM vessels.

### Rated for transients

Welded construction resists pressure transients up to 300 PSI.

### Clear cooling water intakes

Intake screens keep debris out of cooling water systems.




**Where SIMO wedge wire sits in an ion exchange or DM vessel**

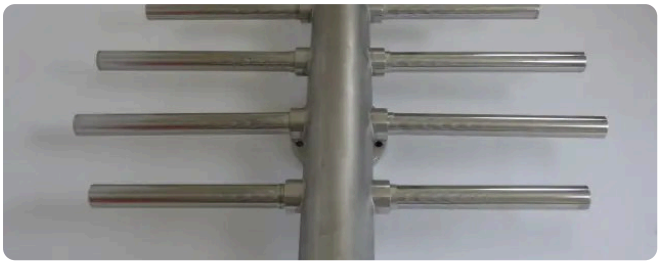
Laterals hold the media and spread flow evenly; the resin trap stops escaped media reaching the pumps.

## SELECTION

| PLANT OR EQUIPMENT | SIMO SCREENS PRODUCT |
|---|---|
| **Boiler feed water DM plant, condensate polishing** | Header and hub laterals, Filter nozzles, Resin traps |
| **Cooling water intake** | Passive intake screens |
| **Cooling water side-stream filters** | Filter nozzles |

PRODUCTS

# Made at our Nagpur works



### 01. Header and hub laterals

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



### 02. Filter nozzles

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



### 03. Resin traps

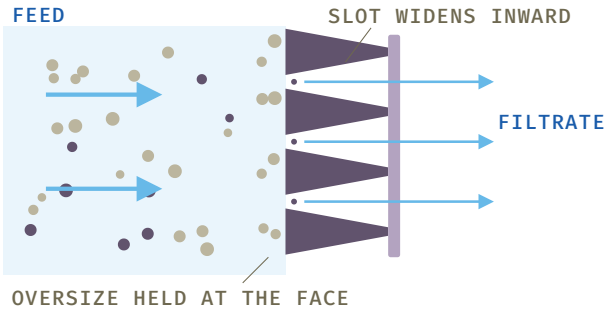
Inline wedge wire resin traps that stop escaped resin before pumps and downstream units.



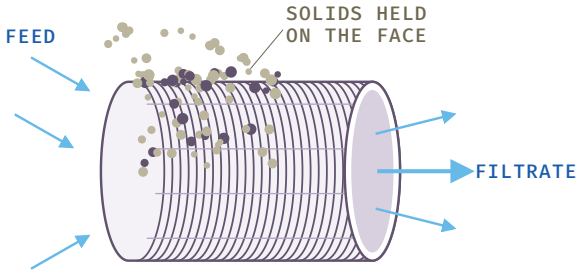
### 04. Passive intake screens

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

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: DM vessel, mixed bed, condensate polisher, pressure filter, side-stream filter or intake.

02 Vessel drawing with diameter, nozzle positions, bottom shape and existing internals.

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

04 Resin grade or filter media size.

05 For resin traps: line size, flow, pressure rating, end connections and housing material.

06 For intakes: design flow, water depth, debris type and whether the water is fresh or seawater.

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

ENGINEERS INDIA LIMITED · IndianOil · JINDAL STEEL · meil · MOIL LIMITED · NIPPON STEEL · NMDC · ONGC · सेल SAIL · TATA CHEMICALS LIMITED · TATA STEEL · THERMAX

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IS 8110:2019 · MAKE IN INDIA

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


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SEND YOUR SPECIFICATION


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