SIMO SCREENS

WATER WELLS AND GROUNDWATER

Continuous slot water well screens to IS 8110:2019 for tube wells, borewells and recharge wells.

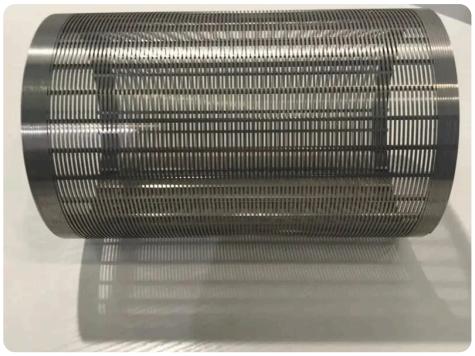
- PRECISION FILTRATION
- STRENGTH AND DURABILITY
- NON-CLOGGING OPEN AREA
- RESISTANCE WELDED
- STAINLESS AND SPECIAL ALLOYS
- ENGINEERED TO ORDER



WATER WELLS AND GROUNDWATER

Where our screens sit in the plant

At SIMO Screens, we make continuous slot water well screens to IS 8110:2019. The slot is matched to the aquifer and the gravel pack, so the well yields sand-free water at low entrance velocity, and the stainless construction stays in service for the life of the well.



Short wedge wire screen tube section on a white table.

STANDARD	DIAMETERS	LENGTHS
IS 8110:2019	25 to 800 mm	Up to 6,000 mm

WHAT IT MEANS FOR YOUR PLANT

Sand-free yield

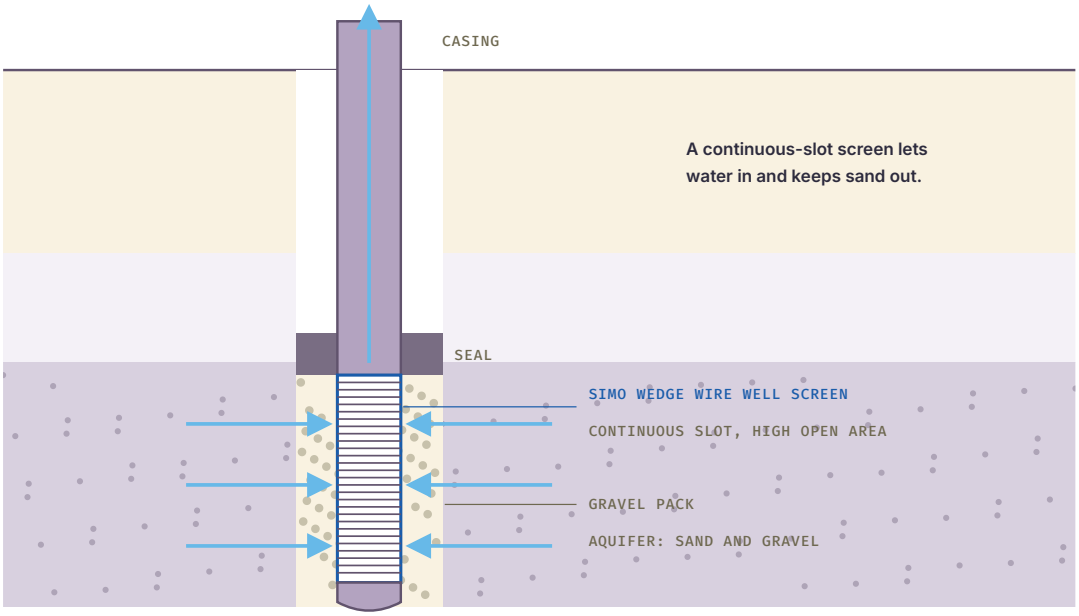
The slot is matched to the aquifer and gravel pack, so sand stays in the formation and out of the pump.

Low entrance velocity

Continuous slot open area lets water enter slowly along the whole screen, which slows encrustation and loss of yield.

Made to IS 8110:2019

Stainless continuous slot screens to the Indian standard, for a long service life in the well.



SELECTION

PLANT OR EQUIPMENT	SIMO SCREENS PRODUCT
Tube wells, borewells, recharge and monitoring wells	Water well screens
Wells in loose sand needing pre-packed or wire-wrapped base pipe screens	Sand control screens, Water well screens

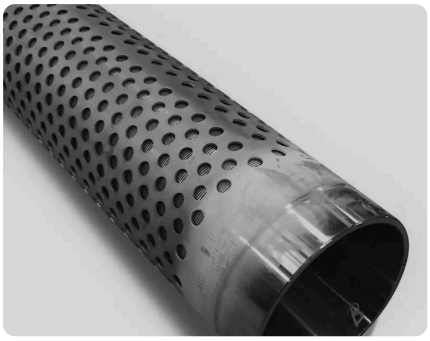
PRODUCTS

Made at our Nagpur works



01. Water well screens

Continuous slot wedge wire well screens to IS 8110:2019.



02. Sand control screens

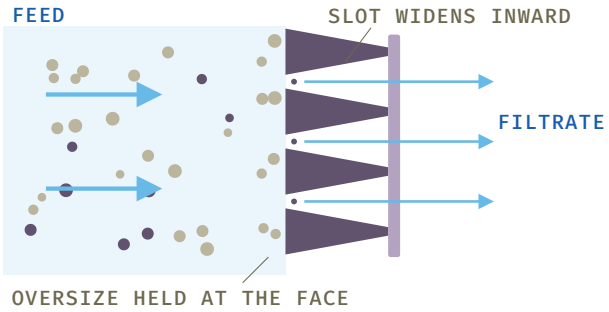
Wire-wrapped and pre-packed screens on perforated base pipe for wells.



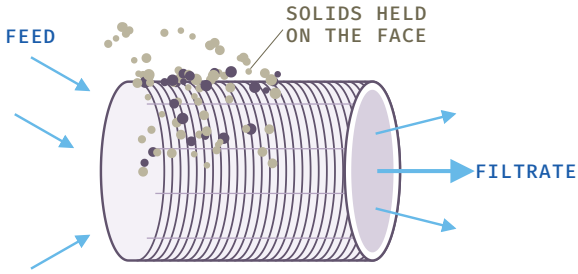
03. Screen tubes and pipes

Wedge wire screen tubes and pipes with threaded, welded or flanged ends.

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.

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.

FOR A QUOTATION, SEND OUR ENGINEERS

01 Type of well: tube well, borewell, recharge well or monitoring well.

02 Bore diameter, casing diameter and total depth.

03 Bore log showing the depth and thickness of each water-bearing zone.

04 Sieve analysis of aquifer samples or the gravel pack specification.

05 Required yield and the pump setting, if known.

06 Water analysis, especially chlorides, pH and iron, or your material preference.

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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