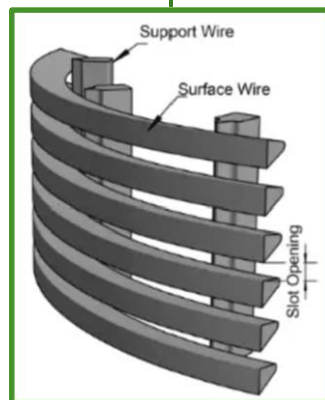


## ESP / Rod Pump Protection Screens

Pump intake screens are a critical component in Electric Submersible Pump (ESP) and Artificial Lift (AL) rod pump systems, especially in oil and water wells. Their primary role is protection – they help improve pump performance, reliability and lifespan by filtering out unwanted solids and debris before fluid enters the pump. These solids range in particle size and can be sand, proppant or other debris which could cause wear and erosion of internal pump components leading to costly maintenance operations.

Wedge wire, made from resistance welded v-shaped wires (profile wire and support rods) is the ideal choice for pump inlet screens. The robust fabrication, coupled with the clog-resistant wire profile, provides long-term service life to both the screens and pump internals they are protecting.

(Example pump protection screen shown on left)



## Product Features

- ▲ Robust Welded Wire Fabrication
- ▲ Customizable Designs
- ▲ Slot Openings from 50 Microns
- ▲ Several Material Options Available
- ▲ Clog Resistant / Back-Washable
- ▲ Available in 1" Pipe Size & Up

# Benefits of Pump Intake Screens



Customized diameters, lengths, slot spacing, connection ends and material options



Made-to-order wedge wire screens for pump protection

- ▲ Prevention of solids from entering pump intake  
(Particle size distribution analysis recommended)

Solids can be sand, silt, proppant and other particles. Larger solid particles can cause increased erosion and wear of pump internals, and potential blockages.

- ▲ Reduction in pump maintenance and downtime

A clogged or damaged pump means pulling the entire assembly out of the well, a very costly outcome. Wedge wire intake screens act as the first line of defense.

- ▲ Improves pump efficiency & flow stability

Solids can lead to turbulence or uneven flow, reducing the efficiency of the pump system. Cleaner fluids mean better flow rates and more stable pump operation.

- ▲ Protection of sensors and other downhole components

Many pump systems include downhole gauges, sensors and monitoring tools. Solids prevention protects these sensitive devices.

- ▲ Customized designs for harsh environments

Particle size, flow rates and corrosion are some factors which need to be considered for the proper selection and design of screens.

## Why Demand Delta Screens?

- ▲ Responsive, Agile & Experienced Team
- ▲ Superior Custom Engineering & Design
- ▲ Quality Fabrications, Made In USA
- ▲ 100% On-Time Delivery

Delta Screens & Filtration, LLC is an ISO 9001 certified custom fabricator of wedge wire screen in Houston, TX, with superior engineering, design and fabrication services.



Contact us for quotations: [Quotation | Delta Screens](#)

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