



Unleashing Water's Potential



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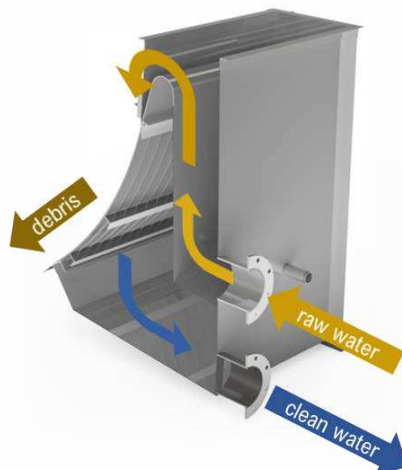
Coanda Screens

Coanda screens use tilted wedge wire to provide water to hydro, municipal water, and other facilities. Clean water falls through while fish and debris pass over. A Coanda screen allows operators to simplify the intake structure by supplying a higher level of filtration in a smaller area when compared to a traditional intake.



Side Hill Screens

Elgin's Side Hill Screen requires no power or special inputs on site to operate. This minimizes capital and operating costs. The wedge wire screen efficiently captures water while delivering dewatered debris to the desired location. This assembly is available in stainless steel construction (304 or 316). Optional features include: hinged top enclosure, extended discharge lip, spray bars, and non-standard inlet/outlet fittings.



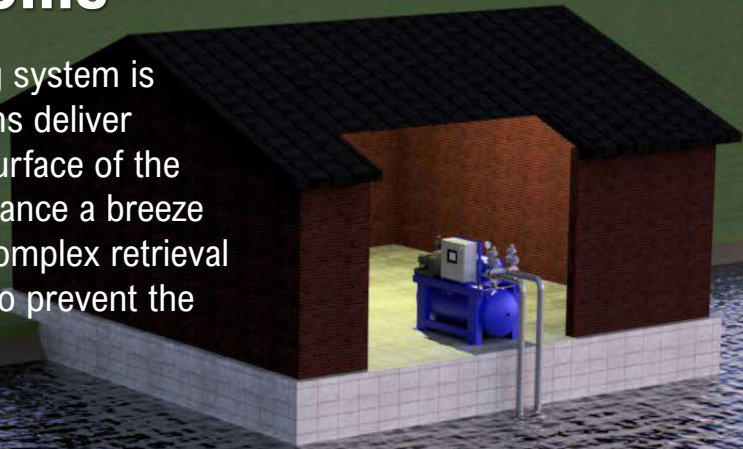
Cylindrical Screens

Cylindrical screens use a combination of physical and hydrodynamic exclusion so that the screens do not clog or kill fish. The screens can include AirBurst systems to remove any debris, and a variety of other technologies to protect your water supply.



Screen Cleaning Systems

We believe the basis for an effective cleaning system is reliability and simplicity. Our AirBurst systems deliver compressed air to remove debris from the surface of the screen. Common components make maintenance a breeze and stationary parts eliminate the need for complex retrieval systems. An IceBreak option can be added to prevent the rapid blockage associated with frazil ice.



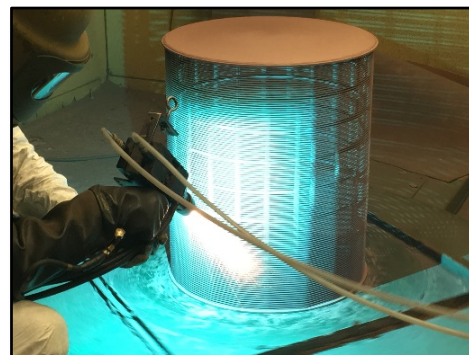
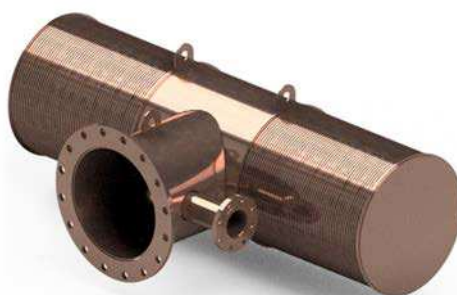
Flat Panel Screens

Elgin's wedge wire flat panel screens are able to withstand extreme loads and adhere to precise tolerances. With fabrication methods tailored to the mining industry, our screens can handle anything your water source can throw at it. Flat panel screens can fit into existing openings or can be supplied with guide rails to ensure smooth installation and serviceability over the life of the product.



Copper Nickel Solutions

Copper nickel has been proven for decades to resist corrosion and fouling by zebra mussels. This alloy has the effectiveness of copper without leaching into your water source. Elgin offers both a copper nickel coating and copper nickel construction. The coating is a patented process (U.S. Patent #5,945,171) that utilizes the same alloy as our base material screens, but results in a much stronger and cost-effective solution. In contrast to foul release coatings, our solutions will last the lifetime of the screen system.



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