

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.



AirBurst Systems

Designed to deliver a powerful burst of air to the screen to eliminate debris. The system can include control system to detect clogging or can be simplified to allow for manual operation.



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 suite of other technologies to prevent ice, silting, and biofouling.



Jacquelyn Coating

Jacquelyn coating (U.S. Patent #5,945,171) is a permanent metal coating to prevent bio fouling. Jacquelyn is non-ablative and does not rely on copper leach, and as a result is NSF certified. When compared to equivalent products constructed of similar copper-nickel alloys, Jacquelyn provides a superior product by utilizing a more robust substrate.



Flat Panel Screens

Elgin flat panel screens use TIG welded wedge wire to provide the best relationship between cost and performance. The screens are manufactured to exceed all typical tolerances.



NSF Certification

Elgin Water Solutions has earned NSF certification for Jacquelyn Coating which was the result of extensive testing and an audit of our quality control procedures.



IceBreak Systems

Designed to work in tandem with an AirBurst system, IceBreak works to prevent and eliminate frazil ice. The system is designed to detect conditions that lead to frazil ice formation.

