

PASSIVE WATER INTAKE SCREEN



E&I Corporation has been manufacturing high quality water and wastewater treatment equipment for over 40 years, serving municipal and industrial markets at hundreds of locations throughout the world. We also have a parts group which can assist you in procuring exact replacement parts and equipment for your installation.

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Customized for cost-effectiveness and efficiency

E&I passive screens are *custom designed* for each application. This is more cost effective and efficient because it is sized for the flow and pressure conditions of your specific application.

Meets EPA regulations

E&I passive screens contain an *internal flow modifier*, which distributes the flow evenly along the length of the screen. This enables the use of a smaller screen, since it provides maximum efficiency across the entire screen, rather than just a small portion of it. Also, the even flow prevents any portion of the screen from having higher velocities which might trap small fish, ensuring compliance with the EPA's 316b regulations for protection of aquatic life.

Air burst cleaning system assures trouble-free operation

E&I passive screens are designed with an *air burst cleaning system* which removes debris from the screen, and therefore does not create a waste product to be handled by the plant. Other than periodic cleaning, routine maintenance requirements are minimal.

The best construction material for your specific application

Type 304 stainless steel is standard for the majority of freshwater applications. In applications where Zebra Mussels are a concern, we offer *Copper-Nickel alloy*. For very aggressive applications such as seawater, *Type 316L* stainless steel is available. For all materials, we employ a flanged outlet to connect to the owner's water intake piping.

Summary of Key Features

- Custom Designed for each specific application
- Wedge-Wire material for Non-Clogging Operation
- Specially Designed Flow Modifier for Even Flow Distribution
- Air Burst Cleaning System
- Low Velocities
- Minimal Headloss
- Minimal Maintenance
- 316b Compliant
- Material Selection —
304 Stainless Steel,
316L Stainless Steel or
Copper-Nickel Alloy

