

INTAKE SYSTEMS

Apollo Screens intakes provide continuous water extraction from:

- Rivers
- Lakes
- Dams
- Ocean

Advantages :

The all welded construction offers unmatched features and benefits

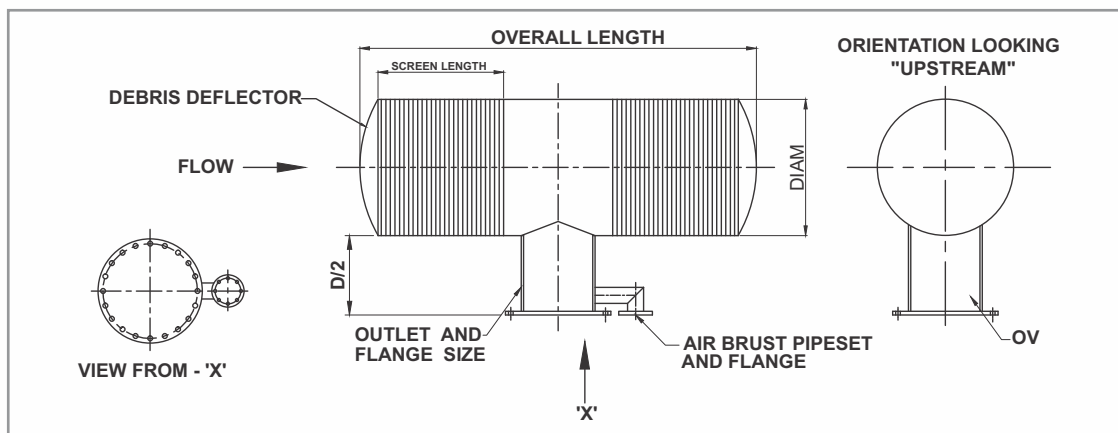
- Wedge wire screening
- Maximum efficiency
- Protection of aquatic life
- Controlled slot velocity
- Less maintenance
- Non Moving parts
- Low pressure drop
- Engineered to suit specification

Industry Segments

- Municipal Water Supply
- Water Treatment Plants
- LNG Plants
- Desalination
- Paper & Pulp
- Sugar Mills
- Waste Water Treatment and various other process Industries

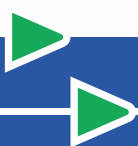


INTAKE SCREEN ASSEMBLY



Apollo Screens; a company established in 2013 by the APOLLO GROUP, a renowned engineering house combining its engineering expertise with long term vision, ethical business approach and a global team of experts in design and manufacture of wedge wire screens for a wide range of applications.

Apollo Screen manufacturing facility: The plant & critical equipment for Apollo screens has been designed and built by the Apollo group's designers and engineers. The plant is equipped with state of the art screen fabrication technology to produce finest quality wedge wire screens with accuracy of wire drawing facility to achieve the highest product quality.



Our Intake system

Passive screening is designed to reduce initial cost and reduce maintenance of your water intake system. It is based on two fundamental concepts:

- (a) Reduced inflow velocity and (b) Use of natural currents or gravity for cleaning.

Limiting the maximum screen through velocity to 0.15 m/s, minimizes the build-up of solids and aquatic organisms on the screen. The low screen entrance velocity and minimum clogging conditions result in very low head loss across the screen surface.

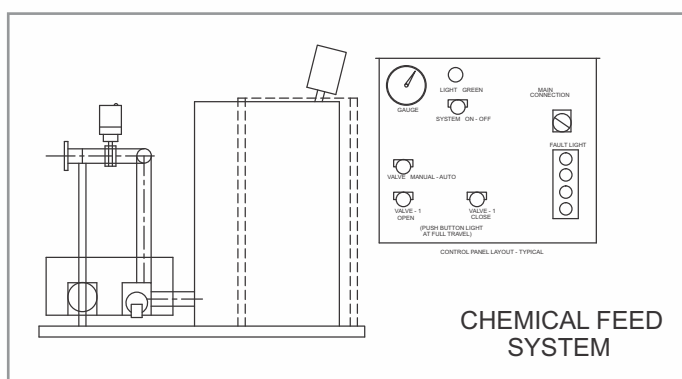
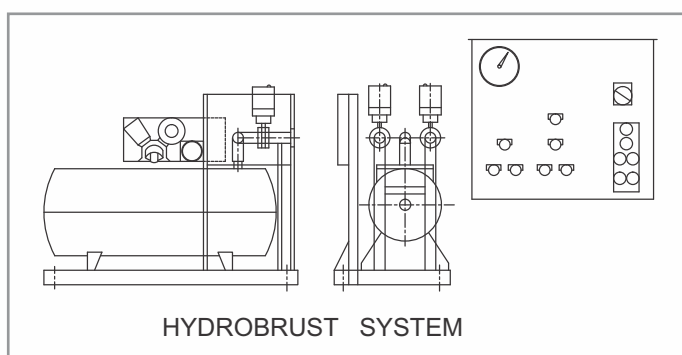
In cases of extremely high loads of debris in the water body or inadequate current conditions an air backwash system for auxiliary cleaning may be incorporated into the screen assembly.

During the air backwashing cycle debris is flushed away from the wedge wire screen surface, by a burst of compressed air released inside the screen cylinder. The air backwash system can be manually or automatically operated, based on a timer or pressure drop set-up to suit the system supplied.

The Apollo Screens wedge wire water intake screens are supplied in Single or Tee configurations specifically designed to suit individual applications in rivers, lakes, dams or ocean.

Flexibility in Design

- Each System is engineered and manufactured to individual applications. E.g. Size, Air backwash system, material selection and many more.
- Intake apertures are typically 3 mm, but larger apertures can be offered to suit customer requirements. Intake aperture smaller than 2 mm are not recommended, due increased chance of algal growth.
- The Apollo Screens intakes are typically fabricated from 304 SS and 316 SS. Other materials such as 904L can also be offered.
- The head loss through the Apollo Screens intakes is very low, typically 1.5 kPa through a single screen and 2.5 kPa through a tee screen.
- Taking into account the application requirements (depth, water quality, aperture, total flow rate), Apollo Screens will provide you with the optimum financial and technical solution.



Apollo
screens
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TUV
INDIA
ISO 9001 Certified

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