

InletScreen

Desalination plant water InletScreen



Lotus-effect



The Wiefferink InletScreen is recently developed based on 50 years of experience in foil product design and production. The InletScreen is made of a new synthetic composite material. A polyester inlay as reinforcement and a PU / PVC composite is foreseen with a coating with antifouling properties, creating the best solution available at this moment.

This Lotus coating is recently developed with newest nanotechnology techniques (lotus-effect) to reduce algae growth on the screen and optimizes the open screen to avoid clogging up with jellyfish.

All connections on the screen are made on the downstream side of the screen to minimize growth of algae. The length of the screen can be customer specified, and as floating bodies standard closed cell PE solutions are available and also air inflatable types. The screen can be connected on shore sides, or can be used with anchoring positions on the buoyant and at the bottom of the screen. All stainless steel connection parts are designed to minimize handwork.

The InletScreen is fitted with 13,5 tons pulling straps and at the bottom a stainless steel heavy duty chain. This Construction enables a strength of minimum 13.500 kg. The coated foil is seawater resistant, oil resistant and UV resistant.

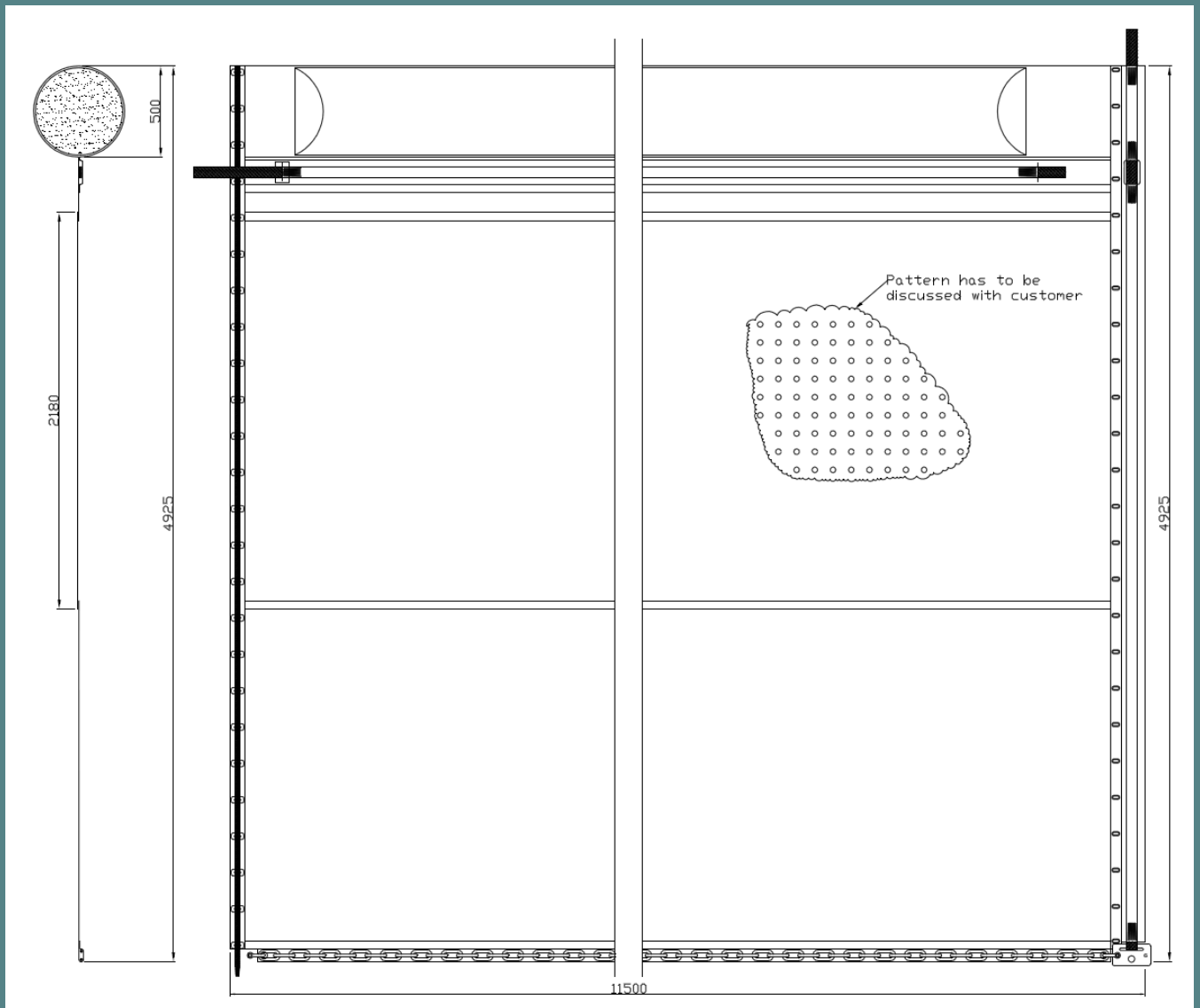
The water entering holes are customer selectable and can be optimized to minimize fouling in specific local circumstances.



ADVANTAGES OF THE WIEFFERINK INLETSCREEN:

- Easy connectable in length and depth
- High strength, UV, oil and seawater resistant
- Integrated lifting eyes and anchoring positions at buoyant and screen bottom
- Available in closed cell PE and air filled buoyant
- Extendable till depth of 15 metres

Technical data	InletScreen-6	InletScreen-12
Section length	6 meter	12 meter
Screen depth	4000 mm	4000 mm
Buoyant	Ø 500 mm	Ø 500 mm
Weight per metre	16,3 kg	16,3 kg
Breaking strength	13.500 kg	13.500 kg
Outer colour	orange	orange



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