

AQUADRUM - PFS ***Packaged Fine Screening System***

In 1992, Aquatec-Maxcon realised clients required a package fine screen providing state of the art drum-screen technology in a stand alone unit. The screen would provide the fine-screening of a wastewater stream to remove unwanted solids.

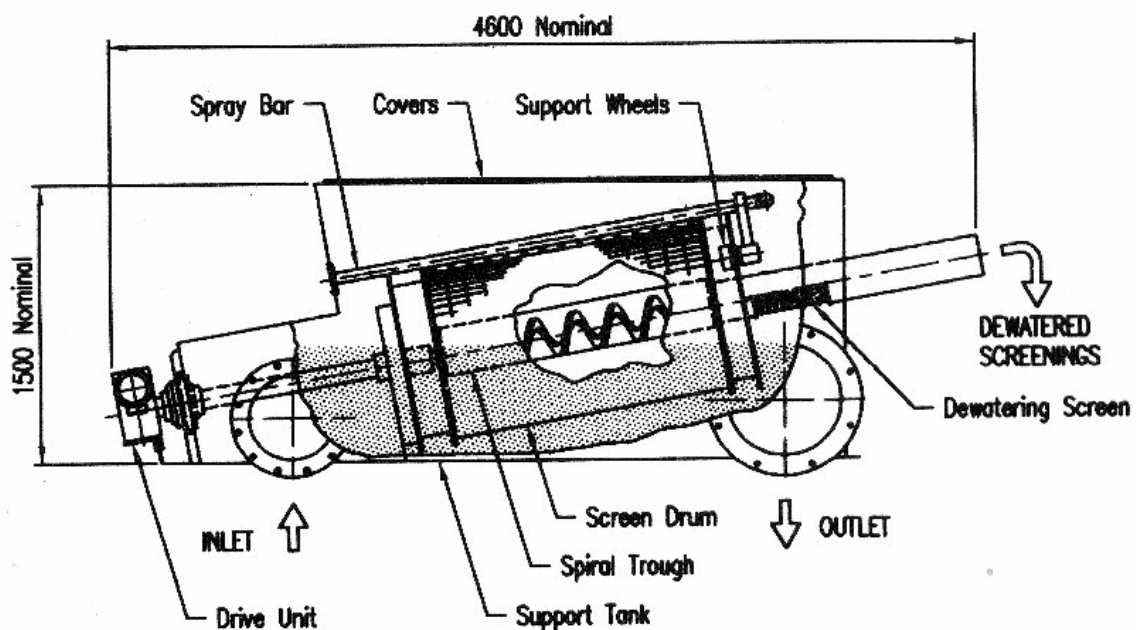
AquaDrum-PFS complements Aquatec-Maxcon's range of fine screens by being smaller than our **AquaDrum-ICT** yet cost-effective for flows too large for **AgiSac**.

The wedgewire drum can be configured to provide a range of wedgewire apertures from 0.25mm to 10mm to screen flows up to 350 L/s. Actual size determined will be dependent on your specific needs.

***AquaDrum-PFS Provides You With
a Packaged Fine Screening System***

Design Advantages

- Self cleaning wedgewire eliminates blinding and stapling common to alternate screening methods
- Inlet and outlet locations and screenings discharge point are available for variations to suit your site specific conditions
- Tested and proven design
- Self contained, sealing in odours and spray
- Accepts gravity or pumped flows
- Only one gearmotor required to drive both drum and screenings conveyor
- Gearmotor and drive mechanism is located well away from splash areas, eliminating most drive maintenance



AQUADRUM - PFS
ELEVATION

***It Is As Simple As Connecting
Power And Inlet/Outlet Pipes And
Turning On the Flow***

Design Features

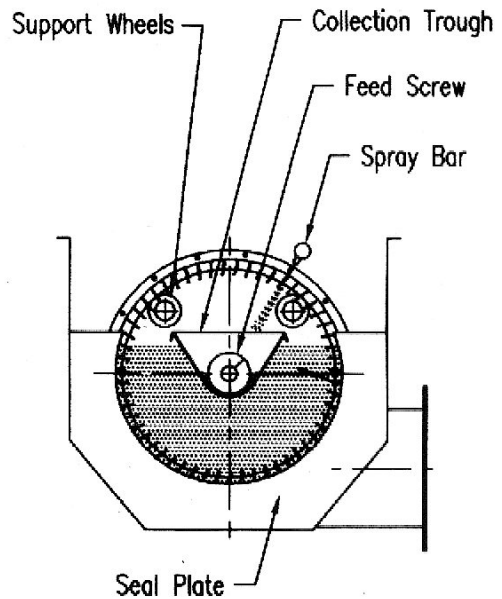
Flow enters the chamber inlet through the floor or wall where it then passes to the inside of the rotating wedgewire drum

Screenings trapped by the wedgewire are lifted by the rotating drum to fall into the centrally located screenings trough containing a shaftless screw conveyor. Screened flow passes through to the outside of the drum

The screw conveyor transports and dewateres screenings towards the trough outlet at the rear of the screen

Screened effluent passes around the sides and underneath the wedgewire drum to discharge under gravity flow to an outlet

- Fabricated from full 304 or 316 grade stainless steel
- Also available in exotics such as Hastelloy C
- Cleaning of the wedgewire drum is via timed application of water or recycled effluent through special spray nozzles
- Screen can be operated by timer or flow sensors
- Electronic garmotor overload protection is standard for **AquaDrum-PFS**



AQUADRUM – PFS
SECTION

Applications

- Sewage treatment plant inlet
- Water treatment plant inlet
- Sewage plant overflows
- Stormwater overflows
- Sewer surcharges
- Industrial screenings
- Sewage harvesting plants
- Sludge screening

The manufacturer reserves the right to alter performance, specification or design without notice.

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