

AQUADRUM - ICT

In-Channel Trommel Screening Technology

Aquatec-Maxcon developed the flag ship of our fine screening fleet, the **AquaDrum-ICT**, in 1989 using a full scale prototype.

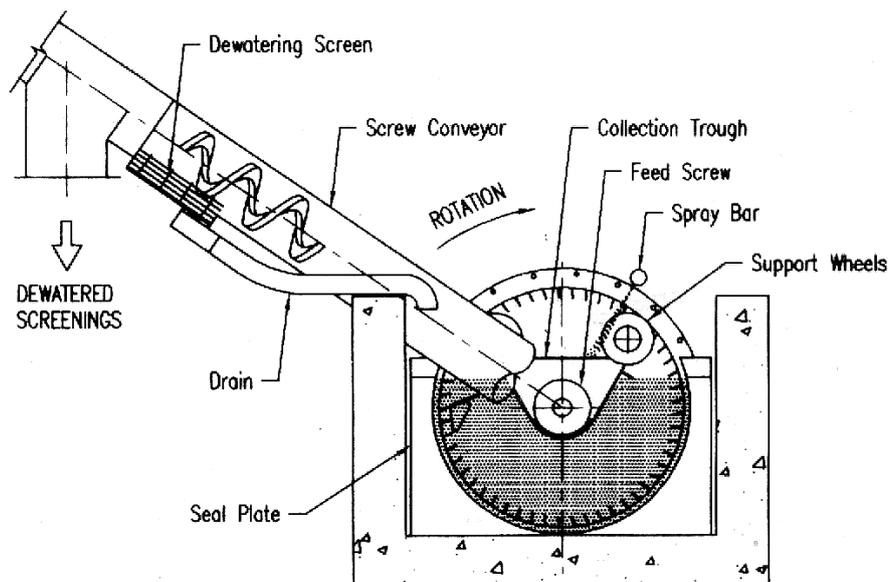
Since its inception, over 4 years of refinement has placed the **AquaDrum-ICT** at the forefront of fine screening technology.

The **Aquadrum-ICT**, as the name suggests, sits within an existing or proposed channel providing fine screening of in-coming flows.

Fine Screens Improve Your Process Operation and Stops Plastics and Rags Fouling Your Digestors and Contaminating Reusable Waste Sludge

Design Advantages

- Support wheels, drives and bearings are all well above top of water level
- Tested and proven design
- Lower headloss than conventional trommel screens
- Install into existing works with a minimum of fuss
- The screen simply drops into the channel, resting on 2 transverse beams
- Semi-enclosed to contain aerosols and accept maintenance crews
- Delivers dewatered and pressed screenings
- Our self-cleaning wedgewire technology eliminates stapling and blinding



AQUADRUM - ICT
SECTIONAL VIEW

**One AQUADRUM-ICT Can Screen
Flows of Up to 3,000 L/s**

Design Features

Flow enters the open end of the wedgewire drum and passes through the tapered aperture

Screenings trapped by the wedgewire are lifted by the rotating drum to fall into the centrally located shaftless screw conveyor

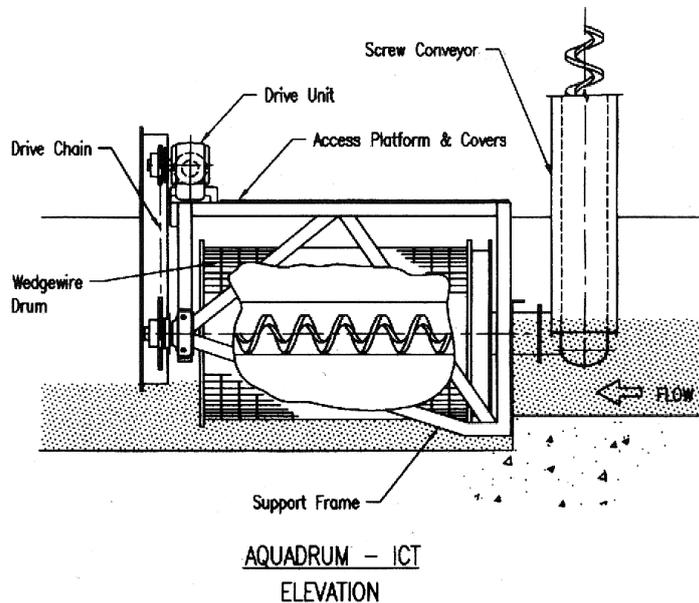
The central screw conveyor transports the screenings to the inlet end of the screen with a second conveyor at 90° to the screen transporting and dewatering screenings to your collection bin

- Wedgewire apertures can range from 0.25m to 10mm
- The wedgewire drum is constructed from stainless steel with grades varying from 304 to exotics such as Hastelloy C.

| EXAMPLE WITH 5MM WEDGEWIRE APERTURE | | |
|-------------------------------------|----------------------------|----------------|
| Flow (L/s) | Minimum Channel Width (mm) | Drum Size (mm) |
| 0 to 300 | 1200 | 900 x 1500 |
| 300 to 800 | 1800 | 1500 x 2000 |
| 800 to 1500 | 1800 | 1500 x 3000 |
| 1500 to 3000 | 2300 | 1800 x 3000 |

Applications

- Sewage treatment plant inlet
- Water treatment plant inlet
- Sewage plant overflows
- Sewer surcharges
- Industrial screening
- Sludge Screening
- Stormwater Screening



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



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