



- ◆ Designed for small to medium sized inlet works.
- ◆ Flexible throughput up to 750 litres per second.
- ◆ Carry over prevented.
- ◆ Plastic panels with 2mm to 6mm diameter holes.
- ◆ Hairpinning avoided.
- ◆ Stainless steel and Carbon steel construction.
- ◆ Available with integral STAR wash compactor.
- ◆ Highly efficient side sealing arrangement.
- ◆ All maintenance can be undertaken above coping level.

The Three Star exceLS bandscreen can offer throughput up to 750LS and is based on the successful Three Star Double flow bandscreen.

Screening is achieved by passing the sewage through a vertical band shaped screen curtain, comprising an assembly of plastic perforated panels, clipped and fastened into stainless steel frames which are positively fastened to stainless steel conveyor chains that form two endless loops.

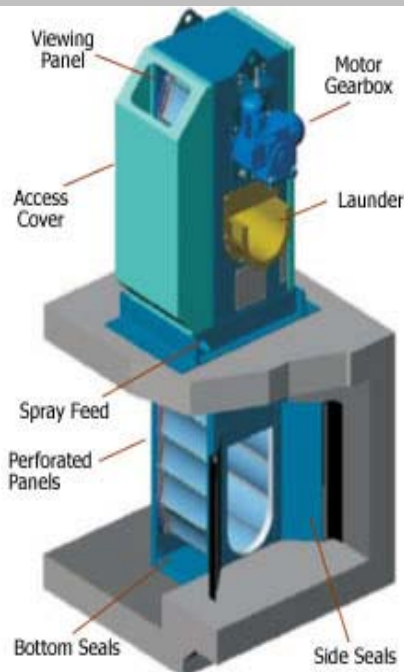
The screenings enter the inside of the screen curtain where solids are retained and transported out of the flow by driving the band, moving the dirty panels from the screening zone to the panel cleansing area.

A stainless steel frame supports the screen curtain. Stainless steel plates and plastic guide blocks are used to achieve a close running seal in submerged areas between the screen curtain support structure and the panel assembly.

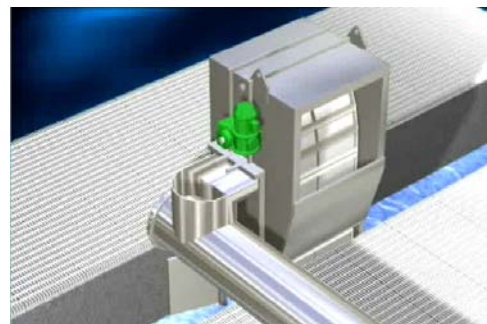
The band is sprocket driven via a motor and gearbox. A spray bar fed by final or primary effluent is used to clean dirty panels before the panels are re-submerged. The cleaning system is orientated to achieve full panel cleaning whilst depositing all debris in the internal launder system, which feeds out through the side of the screen.

Alternatively the exceLS bandscreen can utilise the Three Star STAR wash to provide an integral screenings removal, washing and compaction system.

The screen is almost entirely constructed from 304 grade stainless steel as standard with options available in carbon steel, and grade 316 to allow installation in saline environments such as coastal works if required.



*Proven hydraulic and capture performance established during independent trials at the National Screen Evaluation Facility Chester le Street conducted by UKWIR*



In line with Company Policy of continuous product development, Adams reserve the right to modify any specification, dimension or design.

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