



- ◆ **Unique cutaway side plate design helps reduce headloss.**
- ◆ **Incorporates high open area screening media to improve hydraulic and capture performance.**
- ◆ **Rotary brush cleaning mechanism combats hairpinning, even when used with minimal wash water.**
- ◆ **Fully retractable spray bar allows speedy nozzle un-clogging.**
- ◆ **All major access covers easily removable by a single operator.**
- ◆ **Engineering bearing grade plastic side sealing system, helps prevent solids bypass and offers exceptional abrasion resistance.**
- ◆ **Bespoke design for retrofitting or new chamber installations up to 3m wide.**

The Three Star Travelling Fine Screen incorporates fabricated panels manufactured from pre-formed stainless steel perforated plate with apertures sized to suit specific applications. Panel design allows easy replacement in case of accidental damage whilst being securely fastened to the special strength 8" (203mm) pitch roller link chain.

Panel cleaning is via a 2-stage cleaning process. First, a solid filled modular rotary brushing system with optimised position and bristle configuration removes the majority of screenings. The brushing system allows speedy replacement and adjustment. Second, wash water jets provide the final polish and ensure the rear cavity of the equipment remains free from blockage.

Each panel has a replaceable side seal manufactured from bearing grade ultra high molecular weight polyethylene fitted between the chain and panel to effect a close tolerance seal with the seal fitted to the screen structure.

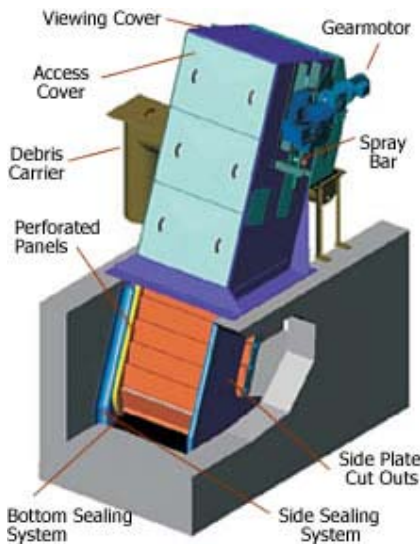
The main structural side plates are manufactured for strength and rigidity. These plates incorporate side outlet passages at flow level to allow passage of screened flow minimising headloss.

The high strength chains run in ultra high molecular weight polyethylene guides and are driven by sprockets attached to the head shaft running in ball bearing plummer blocks. The drive is from a shaft mounted gearbox with a choice of motor types to suit specific applications.

The drive continually moves panels from the screening zone, in the channel in front of the equipment, to the cleaning mechanism where the debris is removed from the perforated panels.

The fine screen is fully guarded by stainless steel covers fastened to the main side structure.

The fine screen can be inched forward, in case of mechanical stoppage and hinged to pivot out of flow for maintenance purposes. Dual speed units can be supplied.



*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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