

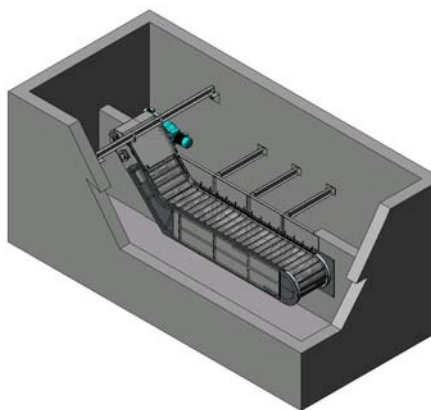
- ◆ High flow handling capacity effected by dual band geometry.
- ◆ All routine maintenance can be undertaken above the overflow weir.
- ◆ Enhanced cleaning mechanism always positioned above top water level, is efficient at removing demanding solids loads.
- ◆ ATEX approved.
- ◆ Solids returned to the continuation flow away from screening area to prevent representation improving hydraulic performance.
- ◆ Proven not be significantly affected by high solids loads, providing reliable screen function during first flush conditions.
- ◆ Based upon well proven inlet screen technology, known to provide reliable screen operation and long life.
- ◆ Screens sized to suit specific applications with 200 and 300 pitch models available, exhibiting various discharge characteristics.

Designed for installation on the pre weir side of combined sewer overflows, the Three Star "Stormstar" has a "dogleg" orientation to allow an intermediate change in panel direction. This feature enables increased hydraulic capacity and enhanced hydraulic reliability during periods of high solids loading by allowing a greater proportion of the screening curtain to be submerged. By using the returning panels for screening, a high screen area to plan area ratio is attained reducing the required screen size to pass a particular flow.

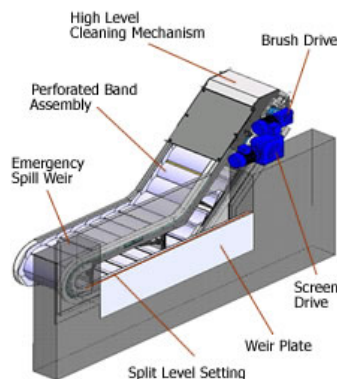
The "dogleg" orientation allows the cleaning mechanism to be located away from the screening zone providing reliable panel cleansing even at high chamber levels of flow. This feature can be extended to allow high headloss fluctuations or alternatively reduced where headroom is limited. All maintainable parts are located at the head end so they are nearer to the surface to ease access and to remain out of flow in most situations.

An integral emergency overflow weir is included to pass unscreened sewage in the event of extreme loading/flows. As the brush can remain in full operation whilst the emergency spill event occurs, cleaning will continue and ensure that the panels are as clean as possible when levels subside. This will reduce the duration of the emergency spill event as far as possible.

The screen is designed specifically for individual applications and can be adapted to suit most retro-fit installations reducing the need for chamber upgrades.



Findings of tests conducted during April 2003 at Knostrop WwTW Leeds by Bradford University available on request.



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

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