

Clarifier Cleaning

The filter cake of trapped solids will eventually reach a density sufficient to impair the flow, and for efficient operation of the clarifier screens it is vital that a regular cleaning regime is maintained. The high open area and smooth surface of the mesh simplifies cleaning either manually with a hose pipe or by automated cleaning options.

Manual Backwashing

This is the usual method employed for horizontal end flow, pyramidal and small circular tanks. It is recommended that the water level is lowered and the screens thoroughly backwashed once per week. Where solids loadings are light this interval can be increased to every 2 weeks.

A 45m² tank can be hosed clean in around 20 minutes. Where no suitable wash water supply exists on site, Locker can provide a GRP boxed -out zone in the tank to provide a sump for use with a portable pump cleaning kit.



A 2 ins. pump maximum duty of 600 litres per minute, 29 metres max. head is recommended.

Locker Auto-Cleaner



This is employed on radial tanks and is mounted on the rotating half-bridge.

On the cleaning cycle the vacuum head is lowered below the water line to be close to the upper surface of the screens, the pump is activated and flocculated solids are sucked up through both layers of mesh and returned as a slurry to the central diffuser box.

The tank remains in operation during cleaning.

The image shows the clarifier screens installed as an annulus complete with a new inner baffle board. The existing scraper leg assembly is modified as necessary.

Spray Jet Backwash

An automated or semi-automated system of submersible pump and spray jets mounted above the screens is also available for all types of tanks.

