



Tower Cleaning Separator Packages

The solution is clear



Separator package, stainless steel skid

Cooling Towers and Evaporative Condensers are highly efficient air scrubbers and the introduction of airbourne contaminant and other particulate matter will inevitably result in high turbidity through solid suspension and ultimately deposition of sediment at low velocity areas.

The accumulation of particulate, which in suspension or sedimentary form, is not desirable as it is deemed to provide nutrient or harbour for bacteria. It will have an adverse effect on heat transfer surfaces and, in sedimentary form, can promote the formation of corrosion cells.

While periodic maintenance tasks are necessary for mechanical operation and cleaning purposes, it has been recognised, in recent years, that the benefit of continuous suspended material removal through mechanical action can have considerable benefit to the circulating water in terms of clarity, water treatment regime efficacy and reduction in maintenance cost or activity.



Highly efficient sweeper system
reducing sediment



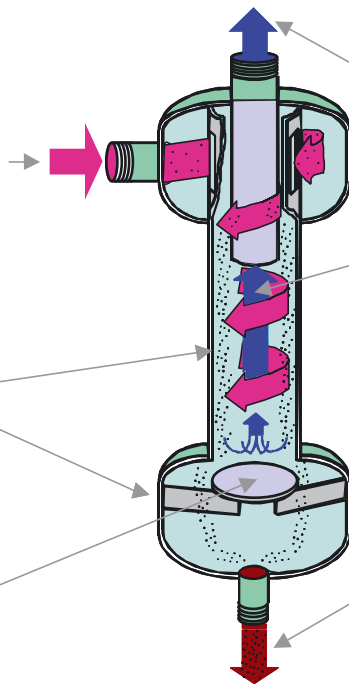
Sweeper jets

How it works

1. Liquid/solids flow through tangential slots and accelerated into the separation chamber

2. Solids are forced to the outside of the rotating column and move down to the collection chamber

3. The deflector plate, on the top of the collection chamber with a spin arrestor halts the rotating movement.



4. Solids – free liquid moves upwards through the separator's vortex and exits through the outlet

5. Solids/particles are either periodically or continuously bled from the separator collection chamber with an appropriate automatic or manual valve system.

Separator packages

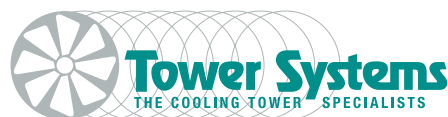
- On-line or sidestream
- New equipment or retrofit installation
- Fully automatic packages, periodic "bleed clean"
- Range of constructional materials and options
- Custom designed pond sweeper systems
- Installed by cooling tower experts
- No media or cartridge replacement

Fill pack cleanliness

The ultimate cleanliness of the cooling tower can be heavily influenced by the presence of previously airborne contaminant, which will ultimately "fall out" on low velocity surfaces such as pond basins or fill pack heat transfer surfaces. Current guidance gives high emphasis on the importance of pack cleanliness and actively promotes the use of devices to reduce the potential for foreign matter deposition. Constant screening or separation can provide considerable benefit in respect to overall cleanliness and potentially reduce fill pack maintenance and replacement cost.

For more information or to arrange a site survey, please call us on **01923 238603**

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Manufactured at a mill that has been awarded the ISO 14001 certificate for environmental management. Pulp bleached using an elemental chlorine free (ECF) process.

