



Aqua WashPressTM

Dewatering Screw Press

Organics and biosolids are commonly caught along with the appropriately screened solids. If not removed, these elements retain water, inhibit drainage, emit odors and result in excessive disposal costs.

The solution is screenings washing, and the Aqua WashPressTM Dewatering Screw Press (AWP) handles the job economically. The unit is the perfect complement to any screen, particularly if cost effective screenings washing and compaction is your objective.

Principle of Operation

The operation is simple. Screenings enter the press from a hopper and are conveyed by a slowly rotating screw to a wash zone where water is added to support the separation process. This is followed by compacting and dewatering in a press zone.



A stainless steel housing encompasses an inner cylinder where washing and compacting occurs. This design completely encloses the screenings, prevents spills, contains odors and provides a hygienic work environment.

Following the wash section, the Aqua WashPress™ dewateres solids to reduce the volume and weight prior to removal. The Aqua WashPress™ delivers significant volume and weight reductions compared to unwashed and dewatered solids.

The organics, which are washed out of the screenings, are returned to the influent, where they can be treated as part of the normal plant process. The Aqua WashPress™ is an effective way to improve plant processes and its compact size fits easily under a screen.



Drive assembly with reliable Eurodrive gearmotor and packing gland

Features

- Improves plant operation – washes organics from the screenings and returns them to the process where they belong; reduces odors caused by entrained organics
- Low maintenance – only one moving part, the screw drive; all wear parts are easy to replace without welding
- Economic to operate – a low horse-power motor drives the entire unit which only runs on demand
- Variable discharge height, diameter and length fits most site requirements
- Easily fits under belt conveyor, screw conveyor or screens
- Variable length inlet hopper
- Non-corrosive 304 (316 optional) stainless steel body
- Economical washing; leaves screenings acceptable for landfill
- Optional bagging device at discharge



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