

HUBER WAP Screening **W**ash **A**nd **P**ress



Washing, dewatering and compaction of screenings

- Dewatering performance of up to 40% DS
- Weight and volume reduction by up to 70%
- Sturdy machine, made of stainless steel

►► Features

Wet screenings drop directly from a screen or indirectly from a conveyor into the hopper of the WAP. A shafted and sturdy conveying and compacting screw at its bottom moves the screenings through a wash zone and into a press zone.

In the wash zone, several powerful water jets are directed on the screenings for intensive washing and rinsing. Service water can be used. Washing intensity and cycles are individually adjustable. Fecal and other organic matter are washed away. Wash water drains through perforations at the bottom of the wash zone. The screw pushes the washed screenings further into the press zone. Here the screenings form a plug. The screw forces this plug through a tube with a bend. High pressure is thus created by friction and distortion. Water is pressed through perforations in the tube. The screenings are dewatered and compacted to 30 - 40% DS.

The plug of washed and compacted screenings is pushed through a slightly conical and inclined discharge pipe and drops into a container.

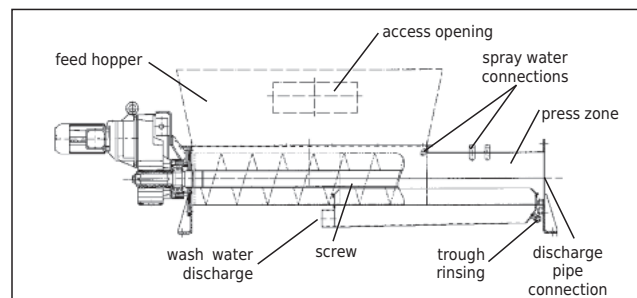
Wash water from the wash and press zones is collected in a trough. Another water connection permits rinsing of the trough. Polluted wash water is returned to the wastewater flow. Its high BOD content facilitates denitrification processes.



WAP saving screenings disposal costs

►► Benefits

- Dewatering performance of up to 40% DR (prior grinding does not improve the performance; grinder costs should be saved)
- Weight reduction up to 70%
- Capacity of up to 400 ft³/hr (12 m³/h) of wet screenings
- Designed to handle coarse material
- Service water can be used as wash water
- Hopper length can be adjusted to individual needs
- Completely made of stainless steel
- Passivated by full submergence in an acid bath for perfect finishing and corrosion protection



WAP with a large hopper, fed via a screw conveyor

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Subject to technical modification
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