

Screenings Washer **COMPACTOR**

The Kusters Water ProTechtor® Screenings Washer Compactor is known for its reliable operation and robust design. The washer compactor significantly reduces screenings volume while simultaneously removing organic content, resulting in cleaned and dried screenings. All ProTechtor® products are US Manufactured at Kusters Water's ISO 9001:2015 certified facility.



Features

- Rugged stainless steel construction
- Indoor or outdoor installation
- Durable Hardox 400 screw for long life
- Shafted screw design for greater compaction strength
- Heavy duty spherical shaft bearing
- Integral washing system

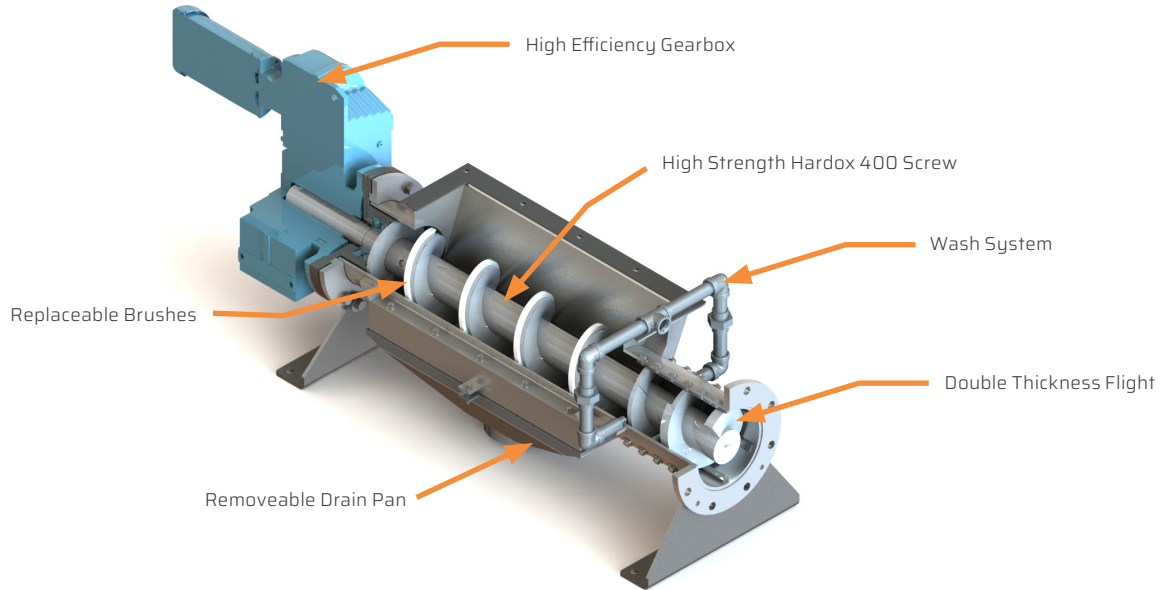
Options

- Agitator with soaking zone
- Outlet with hydraulic backpressure device
- Outlet with adjustable backpressure device
- Bagging unit
- Plug Shredder

Benefits

- High reliability, low maintenance costs
- Reduction of waste disposal costs by minimizing volume and weight of screenings
- Easily adapted to suit existing installations

SCREENINGS WASHER COMPACTOR



PRINCIPLE OF OPERATION

The screenings are discharged directly from a screening unit, conveyor, or flume to the compactor feed hopper. The screw then transports the screenings to the washing zone where service water is added and the organic matter is washed out. Fecal matter is loosened and washed off the screenings in the wash zone by a washboard/friction process. Hairs, fibers, etc. which could cause mechanical breakdowns and blockages in the downstream process are retained in the screenings. An optional agitator with soaking zone and modified control sequence can also be provided. The water and solubilized organics which are removed by this process are then returned to the wastewater channel via a collection pan. The screw then delivers the washed screenings to the press zone where they are dewatered, with the water also being delivered back to channel via the collection pan. The dewatered screenings are then discharged via a discharge pipe to a container, or conveyor. A shredding device or optional bagging unit are also available for installation on the end of the discharge pipe if desired.

Technical Data

- Screw diameter: 200 mm, 300 mm, 350 mm (8", 12", 14")
- Throughput: Up to 700 ft³/hr
- Fecal matter reduction: Greater than 95%
- Volume reduction: 60-70%
- Weight reduction: 60-70%
- Dry Substance: >50%



For more information:

 **864.576.0660**

 **info@kusterswater.com**

 **KustersWater.com**

KUSTERS WATER DIVISION

 **zima**
Jagenberg Group