

## The Washer Compactor by Duperon



### Positive Displacement Eliminates Clogging, Bridging and Jamming

- Up to 61% dry solids, up to 61% mass/weight reduction, up to 84% volume reduction (6:1 ratio)
- Non-clogging, self-cleaning dual auger design
- Positive displacement: What goes in, comes out
- No jamming, no buildup
- Effortless maintenance: monthly visual inspection and annual greasing
- Reduce stress on landfills

*Augers are interleaved and do not contact each other. One cleans the other; debris cannot accumulate or wrap.*



The Washer Compactor by Duperon is an industry favorite due to its exclusive patent-pending positive displacement technology, which eliminates clogging, bridging and jamming.

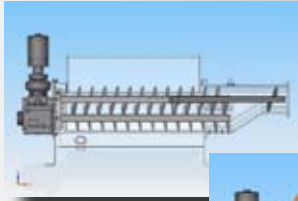
- Dual-auger design eliminates need for additional agitation
- Flood washing that saturates screenings eliminates clogging issues inherent in fine spray nozzles
- Reduces screening discharge
- Reduces screening's volume by a factor of 6
- Thoroughly washes screenings to remove fecal material
- Returns fecal to plant's influent
- Debris can be discharged into a chute or Auger Conveyor System by Duperon
- Chutes available to 120" in length
- Chute bends from 15 to 105 degrees
- Bagging system available



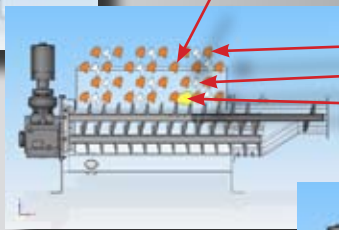
SIMPLE. TOUGH. PROVEN.

# The Washer Compactor by Duperon

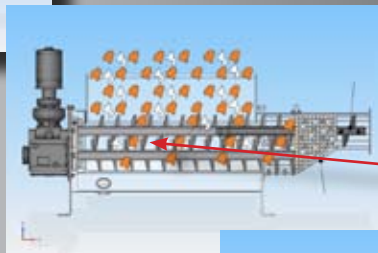
Wastewater Solutions by Duperon [www.duperon.com](http://www.duperon.com)



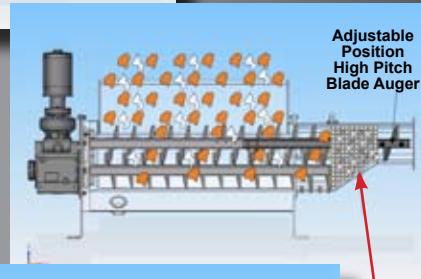
Debris Discharged to Compactor Washer



Rags and Feces  
Grease  
Irregular debris up to 4"



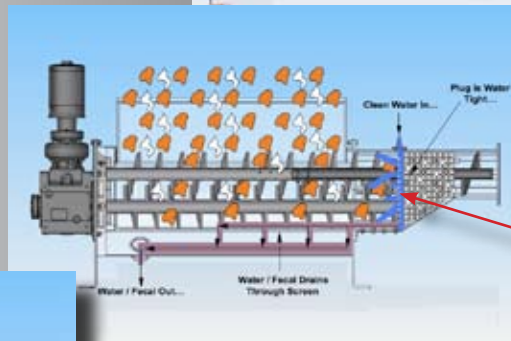
Debris Transported to Wash Section



Adjustable Position High Pitch Blade Auger

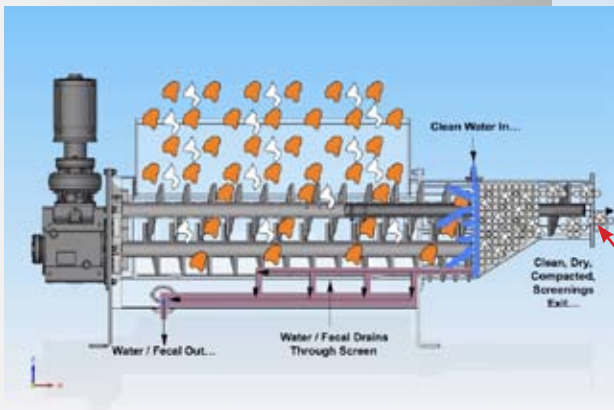
## Simply Incredible. Incredibly Simple.

- 2 augers, nozzle and common garden variety water hose.
- Removes water from screenings to 60% dry solids.
- Reduces screening's volume 6 times.
- Thoroughly washes screenings to remove fecal material.
- 30 cubic feet per hour average; 60 cubic feet maximum.
- Returns fecal to plant's influent.
- Interleaved augers do not contact each other; One auger cleans the other.
- Debris cannot accumulate or wrap.



Tightly Compacted Plug Formed

Screenings Washed



Compacted Screenings Discharged

## BENEFITS

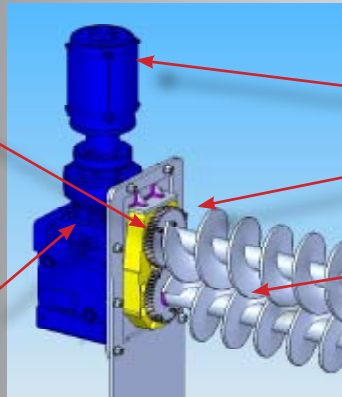
- No clogging
- Minimal maintenance
- Less weight to landfills

# Washer Compactor Specifications

Wastewater Solutions by Duperon

www.duperon.com

- No sealed rolling element bearings
- UHMW plane bearings accept thrust and radial loads
- Self-lubricating
- Sumitomo Cyclo reducer with five year maintenance interval



- 0.75 HP explosion proof motor
- Stainless steel gears
- Annual lubrication
- 8" diameter augers with 3/8" thick flights

<b>WATER</b>	
	Utilizes filtered effluent or municipal water Washer consumes 3-5 gallons per minute Requires 40 PSI – 60 PSI Drain connection is 3" NPT female
<b>UTILITY</b>	
	240 volt / 480 volt, three phase Requires .4 KWH
<b>DRIVE</b>	
	¾ HP Inverter Duty motor Screw output 2.4 RPM
<b>MATERIALS OF CONSTRUCTION</b>	
	304 SSSL or 316 SSSL SSSL spur gears Self-lubricating main auger bearings
<b>PERFORMANCE DATA</b>	
	Up to 61% dry solids Up to 61% mass/weight reduction Up to 84% volume reduction (6:1 ratio) Significantly reduces odor and fecal content
<b>CAPACITY</b>	
	Average: 30 cu.ft/hour Maximum: 60 cu.ft/hour
<b>MAINTENANCE</b>	
	Five years: Recommended gearbox change

515 N. Washington Ave.  
Saginaw, Michigan 48607  
Fax 989.754.2175  
800.383.8479  
dcsales@duperon.com

