

WASHTEC WASH PRESS

It is a heavy duty automatic washer/compactor screw equipment.

This innovative system is designed to effectively clean and compact screenings.



Heavy duty



Extra washing
cycles



Minimal
maintenance



Call Us Today
1-855-650-2214



Email Us
info@aqualitec.com



Aqualitec Corp. - 3415 S, Sepulveda Blvd,
Suite 1100, Los Angeles, CA 90034

OPERATING MODE

The screenings are propelled forward by a heavy duty slow rotating screw while wash water is introduced in the wash/press zone.

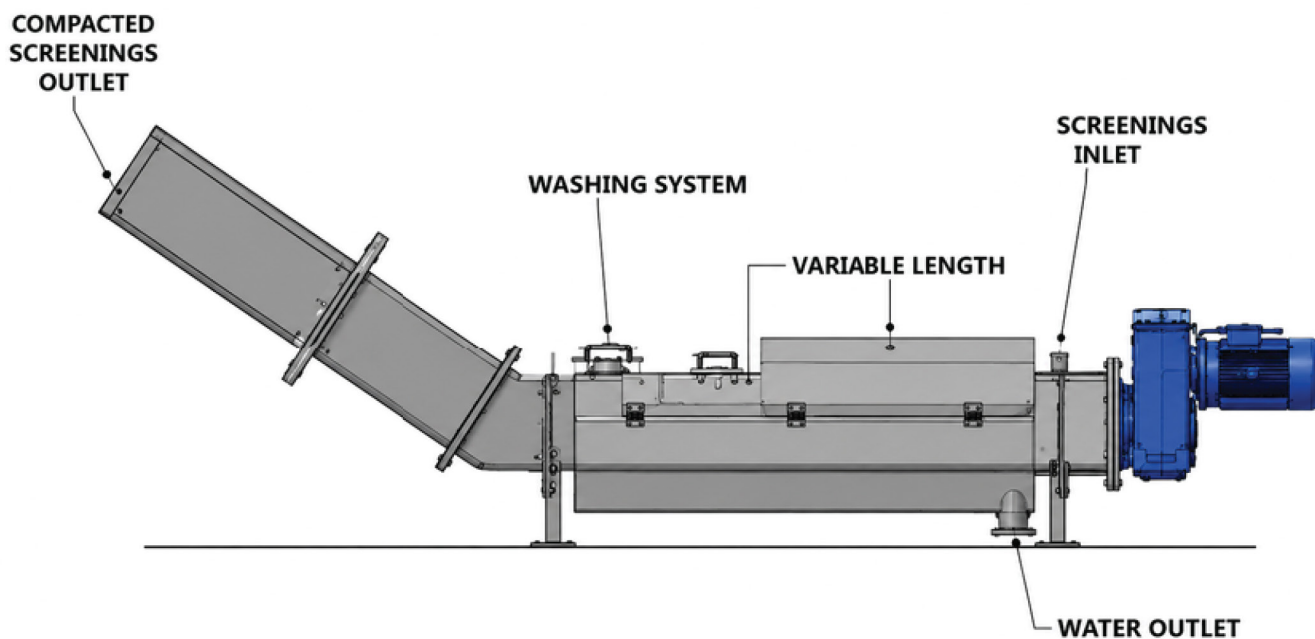
In this zone, dissolved materials and water are pressed out and returned to the wastewater treatment process.

The control system adjusts the working cycle based on the composition of the screenings.

The press mechanism transports the washed and pressed screenings through a tubular pipe system.

The design of the Washtec includes double troughs, providing exceptional resistance to torque during heavy operations involving screenings with high DS content.

This robust "torque resistance" capability allows for a larger inlet opening to accommodate such screenings.



FEATURES & BENEFITS



Mechanism

A heavy-duty screw continually pushes the debris into the compacting pipe, while a washing ramp effectively cleans the debris and removes organic matter. Once the debris is compacted and dried within the pipe, it is discharged into a dumpster. The screenings are conveyed and pass through the washing zone (1) using the screw mechanism. In this zone, they undergo washing, and organic materials are removed. Next, the screw continues conveying and pushing the screenings into the rinsing zone (2).

Spray Bar System, Maximum Organics Back In The Process

To enhance the removal of organic material from debris and reintroduce it back into the wastewater process, the Spray Bar System features two spray bars. This dual configuration maximizes the amount of organic material that can be effectively captured and returned to the WTP process.



Volume Reduction

After the screenings enter the pipe, they undergo compaction as a result of the pipe's tubular elbow shape. As the screw continues to operate, the screenings further compact inside the pipe. Ultimately, the compacted screenings are efficiently discharged into a dumpster.



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PERFORMANCES

DRY SOLID CONCENTRATION

Greater than 45%

VOLUME REDUCTION

Greater than 70%

CAPACITY

25,000 gallon/day

DESIGN GUIDELINES

Washtec is customized based on specifications and/or structural constraints. Below are some guidelines of the design requirements.

MATERIALS

304 or 316 Stainless Steel

SPACE REQUIREMENTS - FOOTPRINT

Water : Non potable but clean water

Water : 2 or 3 washing cycles/hour
cycle is 30 to 60s

Water : Max 20 gal/hour

Water pressure : min 87psi

MOTOR CHARACTERISTICS

Absorbed power : 7hp (5.22KW)

Voltage : Custom to site
availability - 3 phases



Platte County, Missouri



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