

FilterONE USA, LLC.

Information Sheet No. 3
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The F-1 Compactor

The F-1 Compactor is a rugged, heavy duty machine that receives screenings from an influent channel screen at a wastewater treatment facility. Dewatering screenings is a critical part of the operation of a plant. The F-1 Compactor unit provides a cost-effective way of reducing water content. Its proven design provides plant operation and maintenance personnel with a trouble free, low maintenance, piece of equipment.



The standard all 304 Stainless Steel construction (upgrade to 316 stainless steel available) is designed to take up a minimal footprint. The unit is supplied with a receiving hopper that guides the screenings to a drainage zone where it drains by gravity, prior to being transported by an auger to the compaction zone. Upon entrance to the compaction zone, fecal matter is washed from the screenings, and a discharge plug is formed. The compacted plug is transported through a discharge pipe or weighted pressure gate (for short distances) for eventual discharge into a dumpster.

The unit includes a direct drive mounted gear reducer, a spray-bar assembly with a solenoid valve, a double seal design to prevent leakage from the protruded auger shaft, and a three (3) inch water drainage pipe located in the lower section.

The picture (on right) shows an installed unit with a short discharge pipe and a removable, covered receiving hopper. The design was custom engineered to be totally enclosed to reduce odors, and provide clean and leak free operation..



The wet solids that enter the F-1 Compactor are discharged with a reduction in water content of at least 80 percent.

For a user friendly, trouble free and extremely reliable Compactor, make the FilterONE USA F-1 Compactor your first and only choice

All equipment manufactured by FilterONE USA is American made—**keep America working!**