



ECO SIFT



density separation



BREAK THE ORGANICS CONTAMINATION CYCLE

Contaminated overs piling up? Too much rock in your wood? Too much plastic in your compost? Recover valuable organics and reintroduce the overs to your compost cycle. The EcoSift Ventus 4 decontaminates compost overs by integrating directly in the live screening path during production, separating output into four distinct fractions.

Don't discard. Decontaminate.

The EcoSift Ventus 4 is an innovative solution for removing contamination from screened compost overs without costly hydraulic separation. The unique expansion chamber and other exclusive EcoSift separation technologies extract stone, paper, plastic, metal and other inorganics from a live overs discharge stream.

For low-cost removal of light fraction only, the EcoSift AERAS is an effortless plug-and-play wind sifter that attaches to the overs discharge belt of any processing system. Maximize revenue and increase profits by reintroducing overs into the next cycle of composting.

Four separation functions. One easy machine.

The EcoSift Ventus 4 uses an air drum technology that removes heavy aggregate and other contaminants at the beginning of the separation process. A magnet separates ferrous from non-ferrous for easy recycling and the organic material and other lighter-fraction contaminants then advance to the suction fan units.

The suction fans aggressively remove plastics and other light fractions that progress beyond the drum separation stage. The remaining material stream is then passed through a second suction fan for an even finer finish before discharging as a 95% clean and usable material. It makes the process of decontamination quick, easy and inexpensive, all in one pass.

Cost-effective overs decontamination.

Reintroducing overs without decontaminating them will result in a continual buildup of plastics and other unwanted inorganics that will destroy your composting process. Throwing away your overs could cost you substantially more in lost potential revenue and removal expenses.

So why throw away valuable inventory? EcoSift machines allow you to cost effectively decontaminate your overs production inline with an existing screening system or recover valuable organics from a static legacy overs pile. EcoSift is the solution you have been searching for.



Ventus 4

Ventus 4

AERAS electric

AERAS

INNOVATIVE FEATURES ON ECOSIFT DENSITY SEPARATORS



A destoning belt quickly separates rock and stone content from the finished product.



During settling in the expansion chamber, light fractions and foils are captured by the suction fans.



A powerful air knife blows light fractions and foils from the expansion chamber to the suction fans.



Any remaining contaminants are separated by dual suction fans, leaving a clean midsize fraction.



The hydraulically powered AERAS fits on any conveyor from 32" to 48" wide.



Keep a clean site and conveniently dispose of contaminants with the discharge hose.

ECOSIFT MODELS AND SPECS

ECOSIFT VENTUS

DRIVE

TYPE	Volvo Penta TAD 571VE
POWER	174hp / 130kW
FUEL TANK	85 gal diesel
HYDRAULIC TANK	92 gal

CHASSIS

TYPE	steel tracks
LOADING HEIGHT	min 8' 5" max 9'
TRACK WIDTH	12"
TRACK LENGTH	15'

CONVEYORS¹

INFEED WIDTH	60"
DESTONING WIDTH	60"
HEAVY FRACTION WIDTH	40"
HEAVY FRACTION HEIGHT	7'

TRANSPORT DIMENSIONS

LENGTH	39' 6"
WIDTH	9' 5"
HEIGHT	11' 2"
TOTAL WEIGHT	37,479lbs

¹ belt has metal cleats to prevent material rolling back; magnetic head pulley and chute for ferrous recovery.

ECOSIFT AERAS

DRIVE

TYPE	hydraulically driven by an external machine such as a Doppstadt SM trommel or other comparable unit; electric drive option available
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SUCTION HOSE

DIAMETER	19.5"
LENGTH INCLUDED	60"

SUCTION KNIFE

WIDTH ²	extendable from 36" - 48"
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TRANSPORT DIMENSIONS

LENGTH	72" (fan unit only)
WIDTH	72" (fan unit only)
HEIGHT	65" (fan unit only)
TOTAL WEIGHT	appx. 3,000lbs

² SETUP: supports are bolted to the conveyor frame of the unit; once frame is secured, the suction knife can be moved easily parallel or perpendicular to the belt to fine tune the suction angle.

AVAILABLE OPTIONS



dual air filtration systems



full-access panel



secondary destoning belt



full CAN bus control



air hose integration



separation drum



dual suction fans



internal suction fan



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