

# FilterONE USA, LLC.

Information Sheet No. 4  
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## F1 Grit Concentrator Classifier

The F1 Grit Concentrator Classifier provides a solids management system that classifies and conveys the clean grit to a dumpster for disposal. The F1 system employs a hydrocyclone to concentrate the grit, and then a shaftless spiral classifier to convey the grit to a dumpster.

The F1 Grit Concentrator Classifier is enclosed to provide a safe, clean environment around the equipment, and to reduce odors.

The standard unit is designed and manufactured completely of 304 stainless steel (with upgrade to 316 stainless steel available), with the exception of the heavy duty spiral in the classifier, which is manufactured of high strength carbon steel.

The shaftless spiral provides a much higher throughput than would be expected from a shafted conveyor. Also, maintenance is reduced as there are no hanger bearings as required in most shafted conveyors.

The stainless steel trough includes a wear resistant liner that minimizes wear of the spiral. This



liner is a wear item that can be easily inspected, and replaced during a scheduled maintenance shutdown if needed.

The F1 Grit Concentrator Classifier can be provided in different sizes and is custom designed to fit a customer's application. The equipment can be provided with both multiple inlets and outlets.

A safety pull cord switch is a standard feature with an F1 Grit Concentrator Classifier, as are 304 stainless steel support legs.

For a user friendly, trouble free, and extremely reliable Grit Concentrator Classifier, make the FilterONE USA F1 Grit Concentrator Classifier your first and only choice.



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