

VORTI-SIV

HIGH-CAPACITY/LOW-DENSITY RECLAMATION

THE APPLICATION

The continuous inline recovery of recycled sponge material for a manufacturer of commercial surface preparation equipment.

THE PROBLEM

The need to continuously separate the low-density sponge material by removing larger debris and broken or undersize product at a rate of 1500 lbs. per hour. The good recovered material needs to have an accurate size range of -3 mesh/+16 mesh, which is approximately 95% of the sponge. Additionally, the sieve must be adaptable to a vacuum feed/transfer system, along with operating in various hostile environmental conditions which require mainly pneumatic and/or available electric power sources.

THE SOLUTION

The installation of a portable and compact air-driven VORTI-SIV® double-deck model RBF-15/22 gyratory separator with a special inline feed cone design. The system combines the high-speed base of a small production VORTI-SIV® with the increased surface area of a larger unit.

THE BENEFITS

Minimal Clean-up -

The RBF-15/22 utilizes two (2) removable 22" diameter X 2" high stainless steel screen elements and only three (3) additional stainless steel product contact parts. These vibrating components are secured by five (5) heavy-duty quick-release pan clamps, which enable easy access to any contact part.

Compact/Portable Sieve -

The RBF-15/22 reclamation unit has an overall height of 42" with a low-profile middle deck opening to accommodate a high-capacity flow rate. Four (4) large swivel casters allow the RBF-15/22 to be freely operated at any site, including U.S. military carriers.

Benefits -

Inline reclamation enables efficient dust-free recovery of the used sponge. A significant cost savings is achieved by reprocessing the worn material. Waste disposal costs are likewise reduced.

Ultrasonic Option -

Our VORTI-SIV® SFA® Ultrasonic Deblinding Kit is adaptable to VORTI-SIV® screen elements for sieving at finer mesh sizes.



Double-deck model
RBF-15/22
with 22" screen



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