



Air Separator

Welcome



We like the tough jobs.

And we're good at them. As a leader in air separation technology, we'll work with you to clean up your aggregates and meet tough Superpave specifications. In many cases, the Fisher Air Separator eliminates the need for washplants and has proven itself effective in granite, limestone, trap rock, sand and gravel applications.

Where water is in limited supply, the Fisher Air Separator is an effective, economical tool.




Whether you're producing manufactured sand for asphalt or concrete, the Fisher Air Separator helps you meet the **tough**-specification jobs.

We like the **tough** jobs.

Features & Benefits



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- Three on-plant conveyors for material feed and discharge
 - On-plant, automatic grease-lubrication system
 - On-plant hydraulic system for ease and safety of setup/tear down
 - 75 HP electric motor with Cutter Hamer AC Inverter
 - US Patent Number: 6,290,071



Available as portable or stationary units, the Fisher Air Separator is a field-proven machine that effectively removes unwanted fines from abrasive and non-abrasive aggregate applications. The Fisher Air Separator helps you tackle the **tough** jobs efficiently while promoting a clean operation.

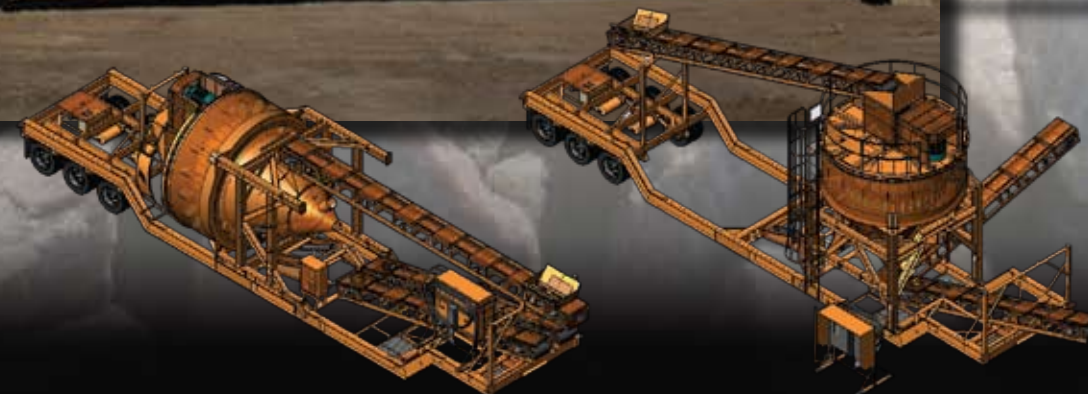
Set Up



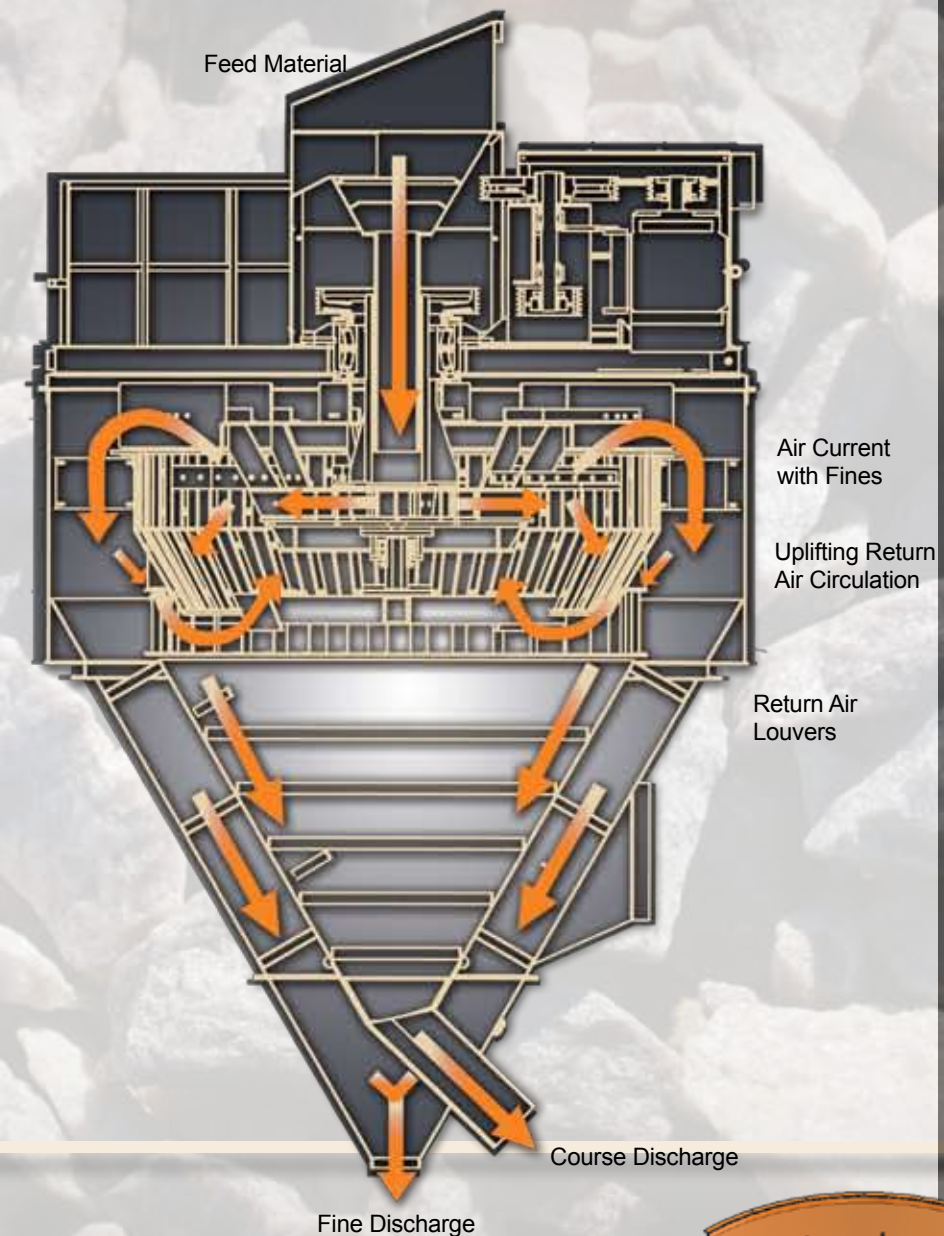
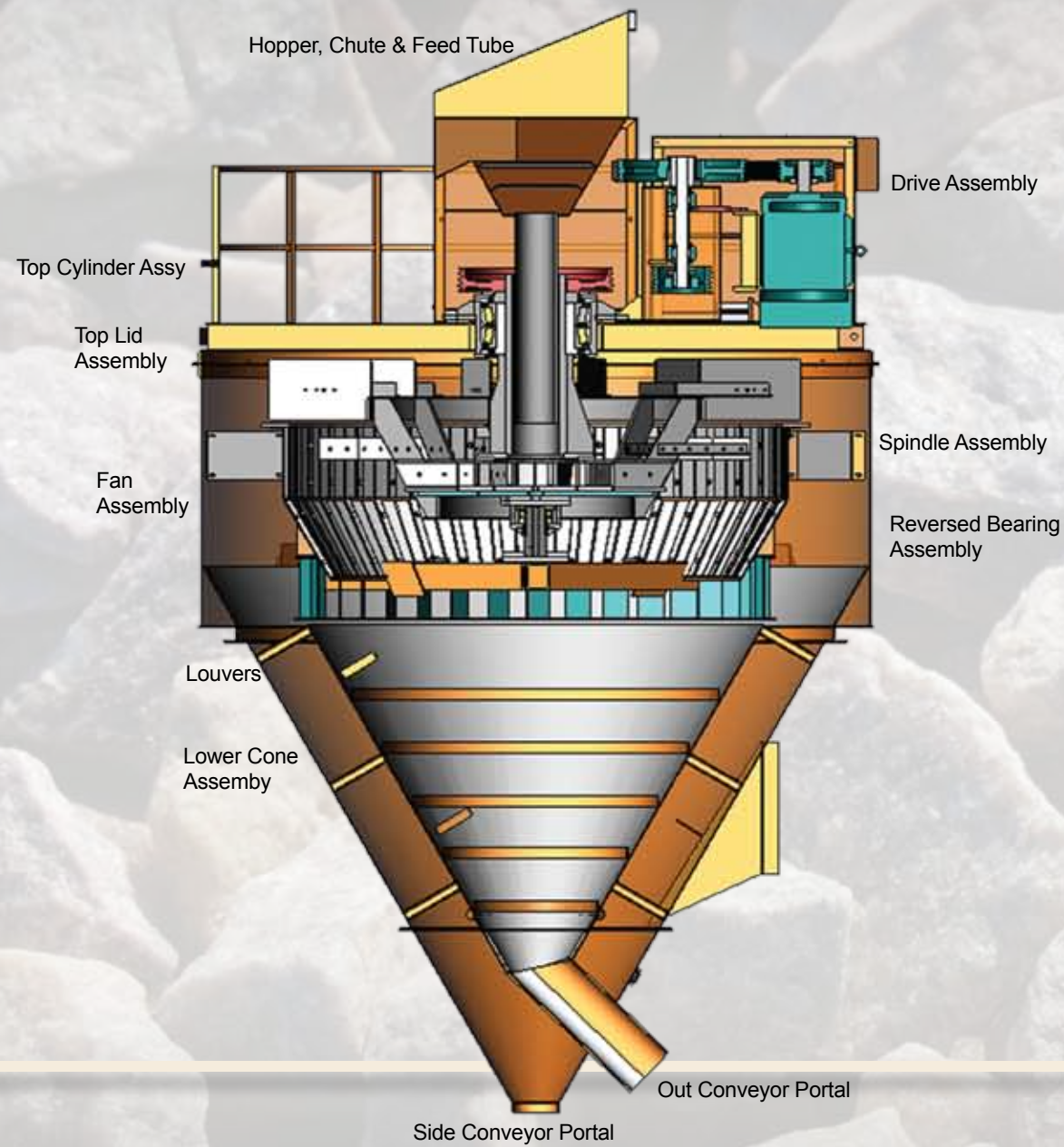
- Step 1: Level the ground
- Step 2: Block and level the separator
- Step 3: Remove the conveyors and electrical panel
- Step 4: Connect the electrical panel to the electrical source
- Step 5: With proper motor rotation obtained, turn on the hydraulic system, lifting separator into position
- Step 6: Mount the conveyors and you're ready to begin separating!



Designed with the portable contractor in mind, the Fisher Air Separator is easily set up, disassembled and transported. In a couple of hours, the Fisher Air Separator will be ready to clean and classify your aggregate materials.

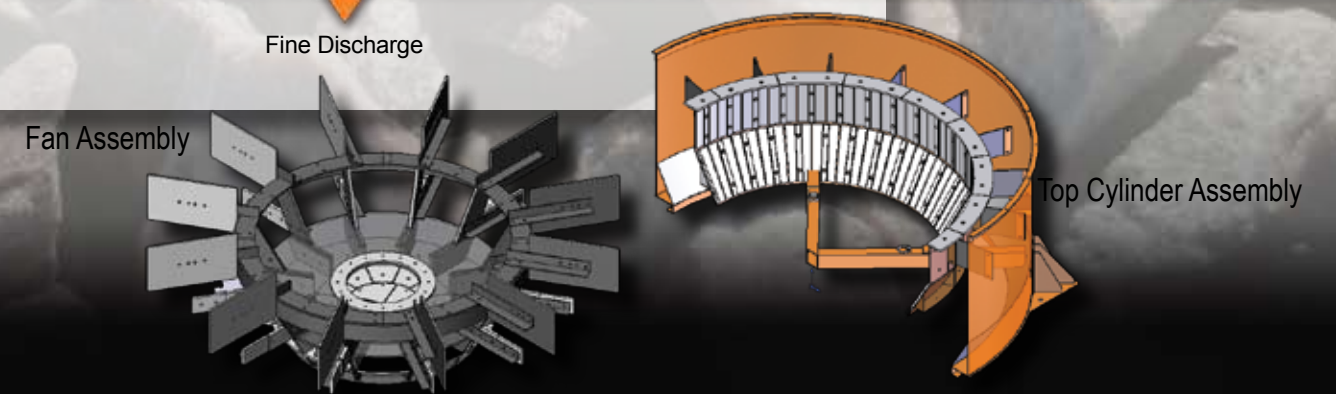


Operations & Maintenance

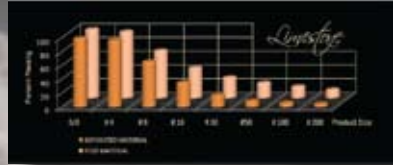


- Operation is simple, effective and requires very little training
- A properly adjusted and fed Air Separator will maintain 100% of circulating air in the machine
- The only air discharged from the machine is the air displacement from the material

The same careful craftsmanship and attention to detail goes into every separator, portable or stationary, built by Fisher Industries. Utilizing rugged, bolt-on wear liners, the Fisher Air Separator is designed for minimal downtime.



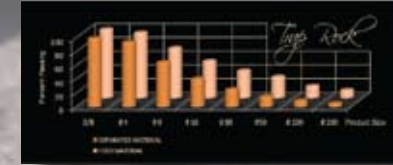
Air Separator Results



Limestone Results:

90 TPH at 3% moisture; Speed at 70 Hz

Product Size	Feed Material	Separated Material
3/8	100	100
#4	96.5	96.9
#8	69.3	66.4
#16	44.1	35.7
#30	30	17.8
#50	22.2	9.2
#100	17.3	6.5
#200	12.8	5.1



Trap Rock Results:

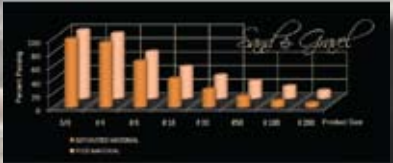
150 TPH at 2.5% moisture; Speed at 70 Hz

Product Size	Feed Material	Separated Material
3/8	100	100
#4	95	94.7
#8	73	65.5
#16	54	41.2
#30	40	26.1
#50	31	15.8
#100	18	9.5
#200	12	5.7

Sand and Gravel Results:

135 TPH at 1.5% moisture; Speed at 62 Hz

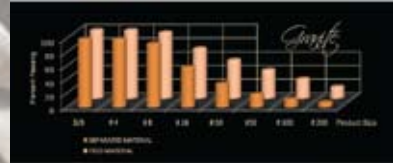
Product Size	Feed Material	Separated Material
3/8	100	100
#4	95.3	94.8
#8	68.7	67.6
#16	46.6	42.1
#30	33.8	26.7
#50	25.3	16.6
#100	18.3	10
#200	11.9	6.5



Granite Results:

70 TPH at 1% moisture; Speed at 60 Hz

Product Size	Feed Material	Separated Material
3/8	100	100
#4	100	100
#8	96.5	93.3
#16	73.4	58.9
#30	56.4	34.8
#50	41.8	19.8
#100	28.6	12.2
#200	17.6	7.8



In granite, limestone, trap rock or sand and gravel, the Fisher Air Separator effectively removes unwanted fines from your aggregate material. In some cases, the Air Separator has cut the amount of #200 fines in half.

When processing natural fines with the Fisher Air Separator, a moisture content of three percent or less will provide the best results. In processing crusher fines, the Air Separator will run effectively at three to five percent moisture content.



 **Fisher
Industries**

Fisher Sand & Gravel Co. | General Steel and Supply Company | Fisher Sand & Gravel - New Mexico, Inc. | Arizona Drilling & Blasting
Southwest Asphalt Paving | Southwest Asphalt | Fisher Grading & Excavation | Fisher Ready Mix | Southwest Concrete Paving Co.

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