

Sterling's ELUTRIATOR™

A proven way of separating materials of varying density – *elutriation*

- Destined to make aspirators and screeners obsolete
- Already proven to be the best system for separating label from ground PET bottles

Sterling's ELUTRIATOR™ is the heart of an innovative system developed by Sterling to separate and cleanse.



Sterling's
ELUTRIATOR™
separates:

Fiber from Plastic

Fiber from rubber

Paper from metal

Paper from plastic

Plastic from plastic

and more...


STERLING SYSTEMS
A Division of Sterling Blower Company

Designed for Ease, Efficiency & Durability

The success of Sterling's Elutriation System comes from our exclusive Elutriator. Its unique design and ease of operation make it a highly efficient and reliable method for separating materials of varying bulk densities.

The Elutriation System was designed to reduce the high maintenance and downtime usually associated with other air cleaning devices. There are no high wear or costly replacement parts required. The system can be fed directly from a granulator, bin, or other source, eliminating the need for airlock valves, screeners, sifters, or other costly, high maintenance mechanical equipment.

Its functions include removing light weight contaminants from heavier material or heavy weight contaminants from lighter materials. Its versatility and simplicity are quickly making Elutriators an effective alternative to aspirators and classifiers.

Applications

Applications for the Elutriation System are virtually unlimited and it works with a wide variety of materials. It can separate:

- ◆ fiber, fines, powder, or streamers from plastic flake or pellets,
- ◆ fiber, metal, or fines from rubber,
- ◆ paper, film, or foam from granulated containers,
- ◆ metal, dirt, rocks, glass, and other contaminants from light weight regrind.

Its applications are endless and because the Elutriator is designed to be user-friendly, only a few minor adjustments are required for months of uninterrupted, maintenance-free service.

Some Representative Applications for the Elutriation System

- ◆ plastic bottle recycling
- ◆ carpet tiles
- ◆ insulation – EVA backed
- ◆ plastic bags and agricultural film
- ◆ polystyrene foam
- ◆ car dashboards
- ◆ appliance liners
- ◆ meat trays
- ◆ floor sweepings
- ◆ tires
- ◆ garden, radiator, and hydraulic hose
- ◆ broadloom
- ◆ cigarettes
- ◆ yarn spools
- ◆ glass- and talc-filled plastic regrind

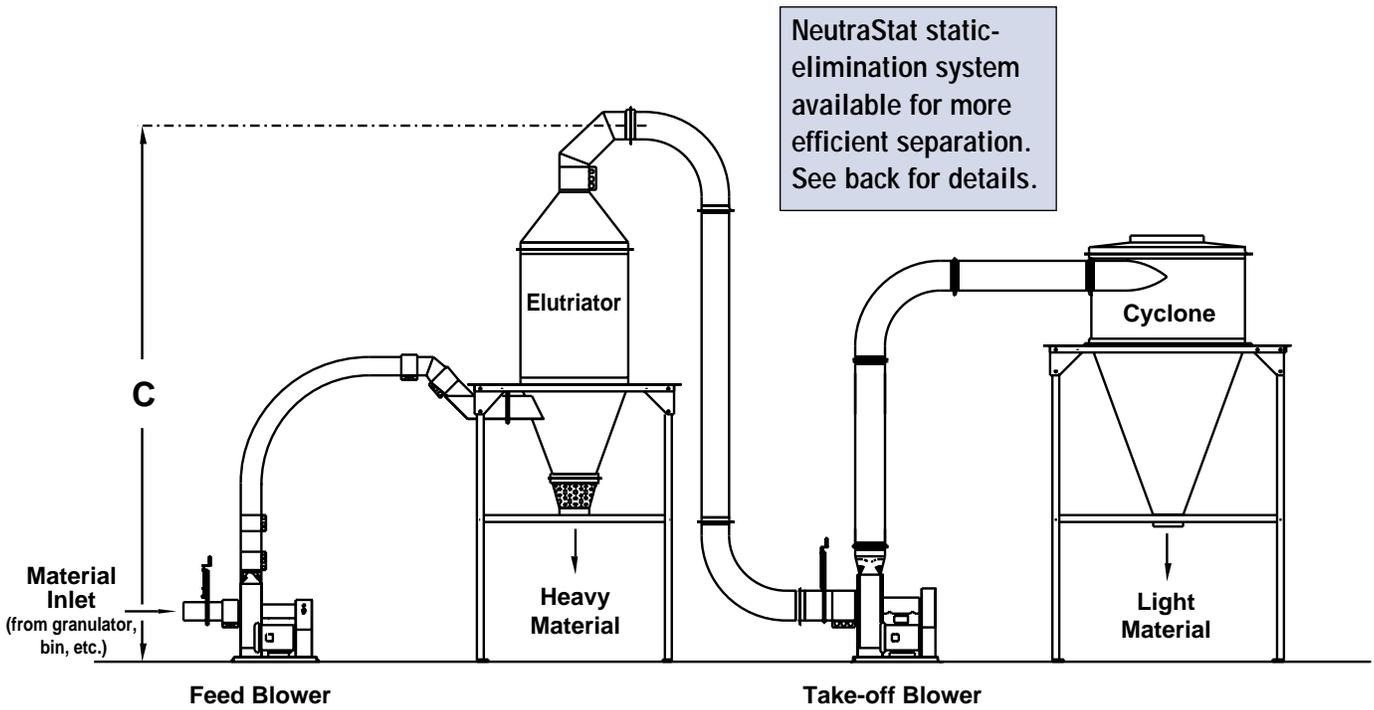
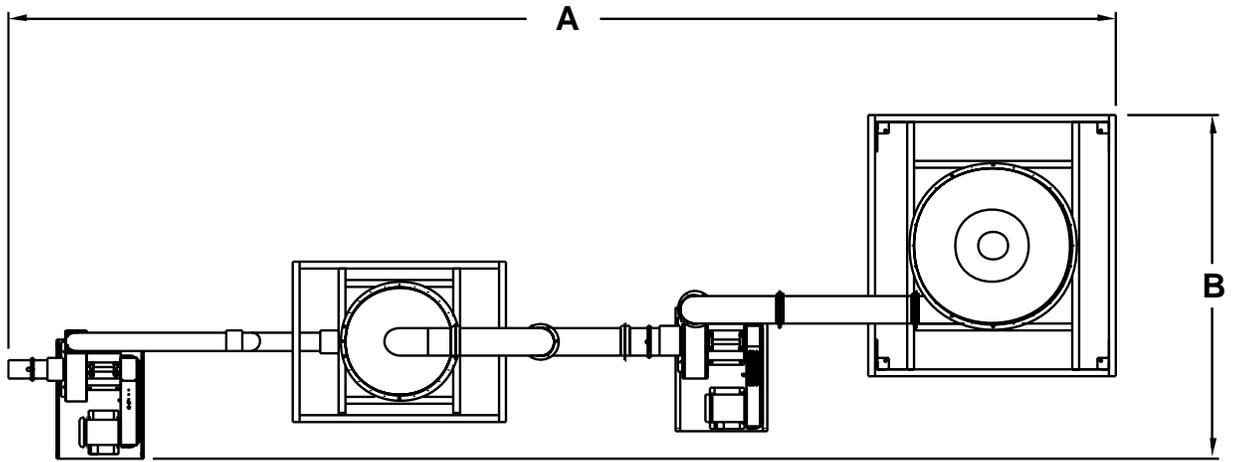
Free Testing Service

Sterling operates an extensive 12,000-square-foot R&D and test facility where production-scale testing can be done.

Customers can send samples of their materials to the lab for a no cost/ no obligation test.

The division's support team includes an experienced group of sales engineers, design engineers, and R&D technicians who can determine the customer's needs.





System Size	Rate lbs/hr	Feed Blower	Elutriator	Take-off Blower	Cyclone	A	B	C
406EL	50-400	4001FV	EL04C	6005FV	#9	28'-3"	6'-9"	12'-11"
807EL	400-800	5003FV	EL08C	6075FV	#9	28'-3"	7'-5"	13'-6"
1608EL	800-1,600	6005FV	EL16C	7075FV	#10	29'-8"	7'-8"	14'-6"
2409EL	1,600-2,400	7075FV	EL24C	9010FV	#13	32'-6"	10'-2"	15'-11"
3210EL	2,400-3,200	8010FV	EL32C	1115FV	#15	34'-8"	10'-10"	16'-9"
4211EL	3,200-4,200	9015FV	EL42C	1120FV	#15	35'-10"	11'-0"	17'-0"
5513EL	4,200-5,500	1120FV	EL55C	1325FV	#17	39'-0"	11'-6"	17'-6"
7515EL	5,500-7,500	1325FV	EL75C	1530FV	#19	40'-10"	12'-4"	19'-6"
9917EL	7,500-10,000	1325FV	EL99C	1530FV	#19	42'-1"	12'-4"	20'-5"

Options for the Elutriation System:

- ◆ interconnecting tubing and fittings
- ◆ filter head for the cyclone – for dust collection
- ◆ sound dampening package – includes sound enclosures and duct silencers for the blowers
- ◆ electrical control package – includes two (2) motor starters
- ◆ NeutraStat static elimination system

Notes: Throughput rates are shown as a guideline only and will depend on the application and the material. Dimensions are approximate; consult factory for certified drawings.

Throughput rates range from 50 to over 10,000 lbs/hr.



For applications involving materials prone to static build-up, add Sterling's proven NeutraStat static elimination system. The NeutraStat provides improved separation in a virtually static-free processing environment.

Sterling's Elutriator™ can separate any two commonly ground materials which are of varying density. Using Sterling components, systems now are available using air flow principles to the advantage of the reclaim industry.

What features make Sterling's Elutriator™ useful in solving your material handling problems?

- ◆ Throughput rates in excess of 10,000 pounds per hour
- ◆ Efficiency up to 99.9%
- ◆ Increased performance over any existing system
- ◆ Inexpensive
- ◆ Maintenance free

Use the Sterling Elutriator™, and the system will be custom designed to meet your specific needs.

Call today to arrange for a free lab test of your material.



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