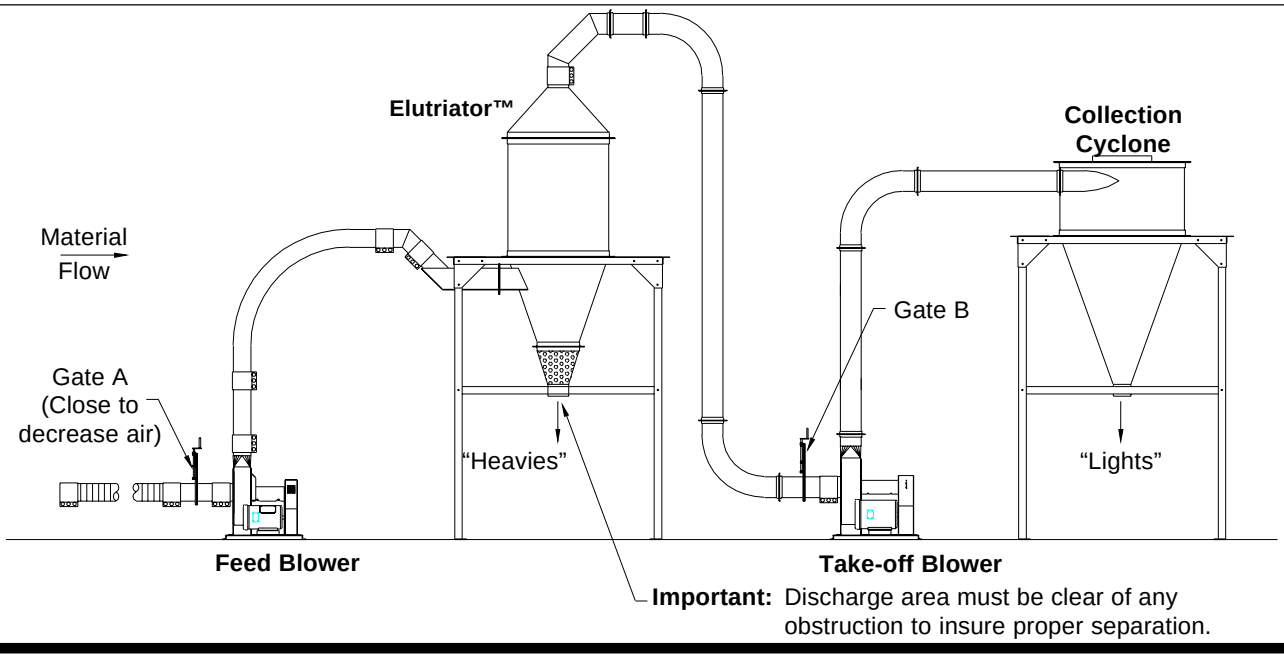
STERLING SYSTEMS
A Division of The Sterling Blower Company

Elutriation System Start-Up and Adjustment for Separation

1. Verify that your system has been properly installed. (See installation drawing.)
2. ***Do not operate blower with piping disconnected, or personal injury could result.*** Start the blowers and check for proper rotation of the impellers. If rotation is incorrect, reverse the wiring.
3. Insure that the throughput rate does not exceed the design limit.*
4. Adjust both Gate A and Gate B to a ½-open position.
5. Start the take-off blower first.
6. Start the feed blower.
7. Start material flow.
8. Adjust Gate A to obtain minimum air flow required to convey material through the feed blower into the elutriator. Material should enter the elutriator at a minimum velocity, so the gate should be open just enough to allow material to pass through. Lock into position with the lock nut provided on the threaded rod.
9. Adjust Gate B to obtain desired separation with minimum (or zero) carry-over of "heavy" material to the cyclone. Once separation is optimized, lock gate in position with lock nut.
10. Sample material discharging from the elutriator discharge on a periodic basis and make adjustments as needed.

**Designed throughput rate is the amount of material passing through the feed blower evenly distributed over a one-hour time period (ex: 1,000 lbs/hr).*



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