

MODEL SPECIFICATIONS

MODEL	AIRFLOW (CFM) <i>at 2500 fpm</i>	AIRFLOW (CFM) <i>at 3000 fpm</i>	AIRFLOW (CFM) <i>at 3500 fpm</i>	AIRFLOW (CFM) <i>at 4000fpm</i>
184	1250	1500	1750	2000
244	1667	2000	2333	2667
246	2500	3000	3500	4000
304	2083	2500	2917	3333
306	3125	3750	4375	5000
364	2500	3000	3500	4000
366	3750	4500	5250	6000
368	5000	6000	7000	8000
424	2917	3500	4083	4667
426	4375	5250	6125	7000
428	5833	7000	8167	9333
484	3333	4000	4667	5333
486	5000	6000	7000	8000
488	6667	8000	9333	10667
604	4167	5000	5833	6776
606	6250	7500	8750	10000
608	8333	10000	11667	13333
724	5000	6000	7000	8000
726	7500	9000	10500	12000
728	10000	12000	14000	16000
846	8750	10500	12250	1400
966	10000	12000	14000	16000
1086	11250	13500	15750	18000
1206	12500	15000	17500	20000

STANDARD SPECIFICATIONS

- 14 Ga. Bolted carbon steel construction
- In-feed sides 7 Ga. Carbon steel
- Vernier controlled air bleed
- Analog monitoring package
- Outfall tanks w/ airlock or auger discharge available
- Vibratory in-feed pan or adjustable slide pan available
- Stainless steel construction available



LEWIS M. CARTER MANUFACTURING COMPANY

FOURTH GENERATION FAMILY BUSINESS WITH OVER 70 YEARS EXPERIENCE IN DESIGNING AND BUILDING PROCESSING EQUIPMENT.

WE AT LMC TAKE PRIDE IN OUR ABILITIES, OUR INNOVATIONS, OUR PEOPLE, AND OUR CUSTOMERS. LMC IS A QUALITY DRIVEN COMPANY WITH EMPHASIS ON PERFORMANCE, RELIABILITY AND CUSTOMER SATISFACTION.

- ASPIRATORS BEAN POLISHERS CLEANERS CONVEYORS DESTONERS
 ELEVATORS GRAVITY SEPARATORS HARD SHELL CRACKERS PEANUT BLANCHERS
 PEANUT SHELLERS PREHULLERS SHEAR ROLLS SIZING SHAKERS



Lewis M. Carter Manufacturing Co.
 615 Highway 84 West
 Donalsonville, GA 39845

TOLL-FREE 800. 332. 8232
 FAX 229. 524. 2531
 EMAIL lmc@lmcarter.com



Lewis M. Carter Manufacturing (Canada) Ltd.
 835 - 58th Street East
 Saskatoon, SK S7K 6X5

CANADA 306. 242. 9292
 FAX 306. 934. 4840
 EMAIL lmc@lewisincarter.com



LMC ASPIRATOR
 MADE IN THE USA



MASTER CONTROL VALVE

This valve is used to set macro adjustments to the air flow.

AIR BLEED VALVE

This valve is used for micro control and adjustment to the air flow.

EXPANSION CHAMBER

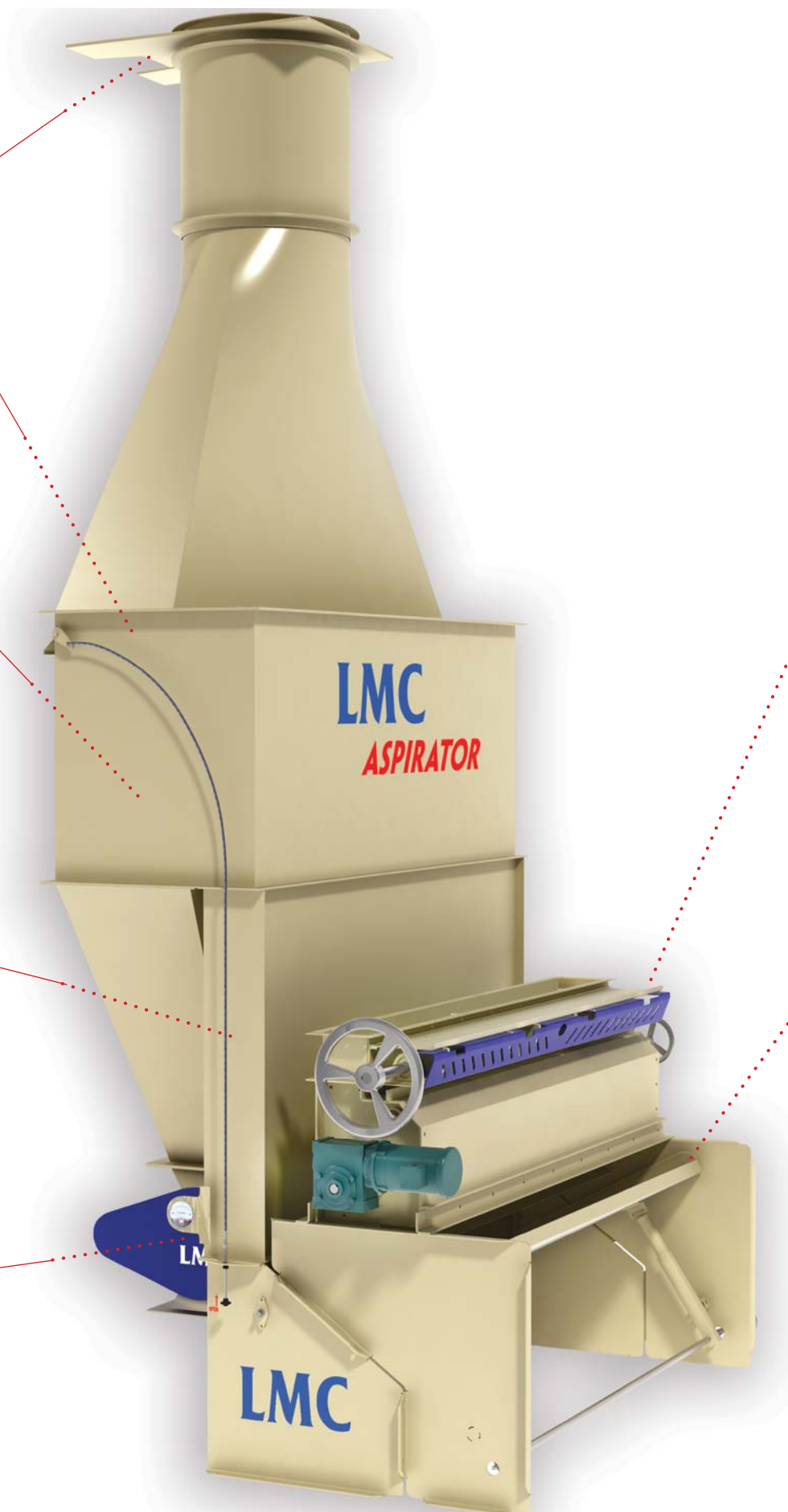
The liftings enter an expansion chamber to allow the reject product to drop out of the air stream. The liftings are conveniently discharged for inspection and, if needed, adjustment to the air stream can be made.

AIR COLUMN

The air column allows the product to be lifted and stratified for a more precise separation.

OUTFALL HOPPER & AIRLOCK

The outfall hopper and airlock allow the liftings to discharge with no air loss in the separation process.



VARIABLE SPEED ROLL FEEDER (OPTIONAL)

The product is introduced by using a variable speed controlled roll feeder. The roll feeder enables the operator to easily and accurately adjust the flow to fit each individual situation.

ADJUSTABLE IN-FEED

The in-feed pan introduces the product into the air stream. The feed rate can be adjusted using a vibratory feeder option or slide pan option.



OPTIONAL VIBRATORY FEEDER PAN

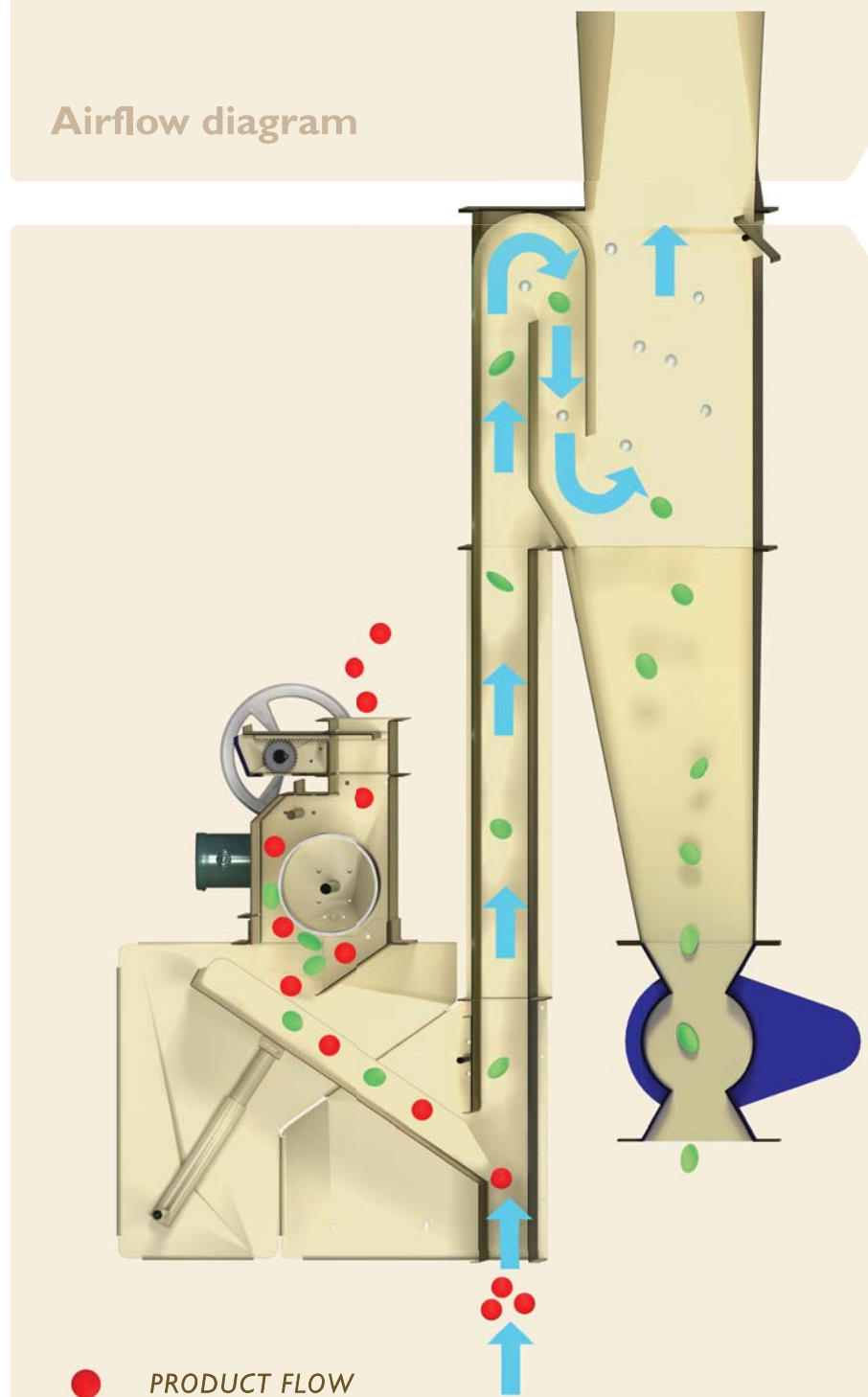
LMC ASPIRATOR

This aspirator has proven to be the most efficient aspirator available and is used in many different processing industries. It is designed to create a streamlined flow vacuum that is drawn through the product. As the air flow is evenly distributed, the separation is more easily controlled and more accurate. An absence of a controlled flow will result in leaving light material in the good product or, if operated aggressively, heavy, good product in the liftings.

This design allows for product separation by density and aerodynamic profile. Multiple configurations are available to provide optimum performance and maximum flexibility.

It's sturdy industrial caliber design will give years of around the clock service with minimum attention.

Airflow diagram



- PRODUCT FLOW
- ➔ AIR FLOW
- TRASH/REJECTS FLOW
- DUST/LIFTINGS FLOW

OPTION A
Includes aspirator body with mounting brackets, flanged rectangle to round fitting, in-feed control gate, analog monitoring package with vernier airflow control.

OPTION B
Includes aspirator body with mounting brackets, flanged rectangle to round fitting, vibratory feed pan or adjustable slide pan and unitary mount body, analog monitoring package with vernier airflow control.

OPTION C
Includes aspirator body with mounting brackets, outfall tank, vibratory feed pan or adjustable slide pan and unitary mount body, analog monitoring package with vernier airflow control.

OPTION D
Includes aspirator body with mounting brackets, outfall tank with airlock, vibratory feed pan or adjustable slide pan and unitary mount body, analog monitoring package with vernier airflow control.

OPTION E
Includes aspirator body with mounting brackets, outfall tank with auger, vibratory feed pan and unitary mount body, analog monitoring package with vernier airflow control.

Note: Standard auger is up to 10ft; consult LMC for additional length.