

## Higher profit through reduced scrap, Higher quality parts by removing dust

The Conair DeDuster® C-750 removes angel hair, streamers, and dust from resins, including regrind/recycled resins. The DeDuster C-750 can process up to 750 lbs/hr {340 kg/hr} of dry, granular material. The patented C-750 is perfect for larger-scale machines, such as blow molding units and extruders.

Dust and streamers cause visual defects (such as blemishes and black spots) and weakness in parts. The C-750 pulls the dust and streamers out of the processing material before the throat of the machine, which results in reduced scrap rates, higher quality part count, and increased profit.



Model C-750

## Excellent Pellet Cleaning/Dust Extraction Results up to 750 lbs/hr.

The Conair DeDuster® C-750 has viewing windows around the body casting for easily seeing the DeDuster in action. Add a knife gate or variable speed paddle feeder to adjust the product flow rate into the DeDuster to perfectly match the rate needed for your application. Simple single plug installation means easy installation and maintenance. The wide throughput range from as low as 10 lbs/hr {4 kg/hr} to as high as 750 lbs/hr {340 kg/hr} allow the C-750 to be the perfect dust extraction tool for a wide variety of needs.

DeDusters have been installed in 2500 systems in over 50 countries. At only 12 inches tall, {305 mm} the DeDuster can be easily retrofitted to almost any system configuration. The DeDuster is the dust removal system of choice when new plants are being designed and built.

For applications with heavy regrind, Conair recommends the C-1100 DeDuster. Contact Conair for more information.

### ▶ **Compact size for easy retrofitting, and lower stack height**

At only 12 inches {305 mm} tall, the DeDuster® C-750 can easily be added to most production lines with little modification. The blower and filter of the C-750 system can be placed away from the production line, saving valuable floor space.

### ▶ **Scientific advancements to meet your needs**

Our engineers were given a tall order when designing the DeDuster. They were asked to design a unit that would remove dust and streamers, separate and remove electrostatically charged dust particles, fit on injection molding machines or extruders, offer low construction height, fit under silos, and reduce remaining dust levels after cleaning to less than 50 PPM. The engineers conquered these demands with a patented cleaning machine that combines a variety of air wash principles with a revolutionary electro-static flux field feature, to remove even the micro fine particles from the pellets.

### ▶ **Performance you can see**

The almost "magical" performance is easily monitored through the polycarbonate (or optional glass) window.

### ▶ **Flexibility for the perfect fit**

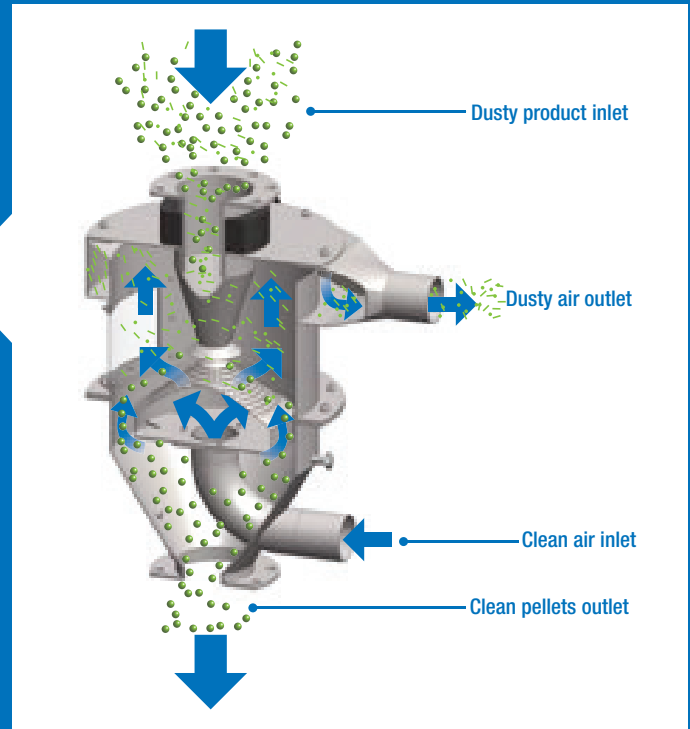
The DeDuster C-750 system can be custom-configured to meet your needs. Our experienced team is prepared to size and build the perfect combination of equipment for your process. Additionally, the C-750 can be fitted with a knife gate valve, rotary valve, or a variable-speed paddle feeder to control the flow rate in the valve. Any of these options add only 2-4 inches {50-100 mm} to the stack-up height.



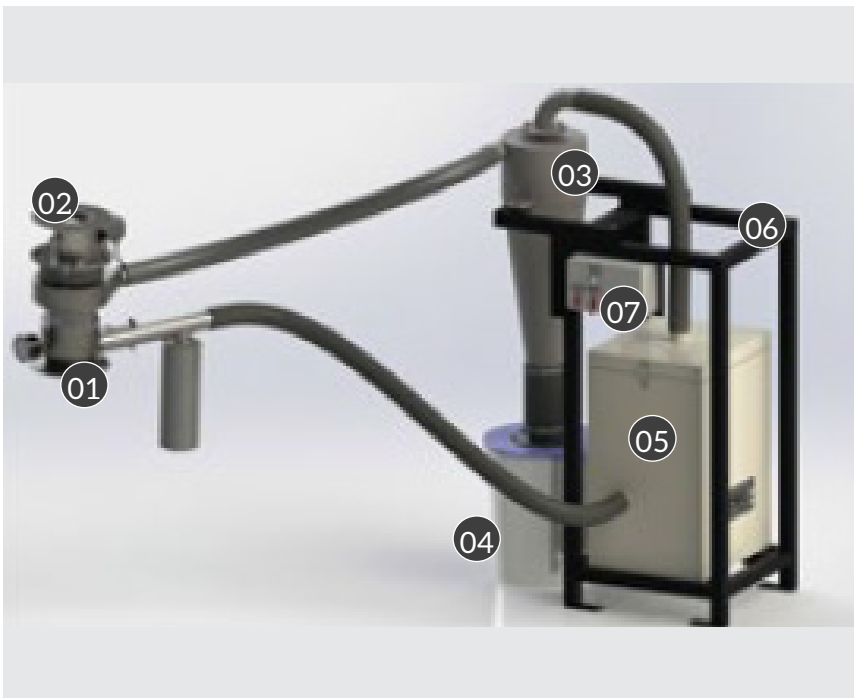
# How it Works

### Installation:

Product flows through the DeDuster® by gravity. A knife gate valve or variable speed paddle feeder can be used to reduce the product flow rate into the DeDuster. Included in every C-750 DeDuster system is a variable speed 1.1 kW {1.5 Hp} fan, a filter packaged in a sound enclosure for quiet operation ("High Performance Dust Collector") and a cyclone dust separator. One single phase power source (110 V or 230 V) feeds the entire DeDuster system and optional paddle feeder. The HPDC and cyclone are mounted on one compact stand. The C-750 DeDuster can be positioned as far as 12 ft. {3.5 m} from the HPDC and cyclone arrangement.



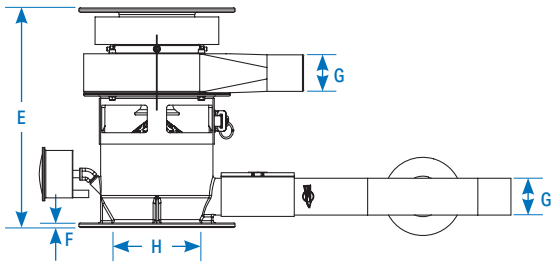
# System



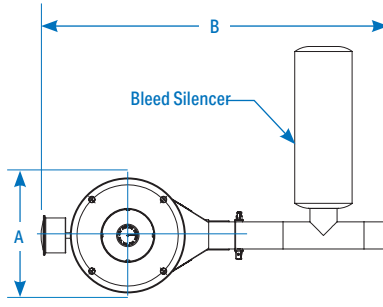
- 01  
C-750 DeDuster®
- 02  
Paddle feeder
- 03  
Cyclone
- 04  
Dust drum kit
- 05  
High Performance Dust Collector (HPDC) Assembly
- 06  
Equipment Stand
- 07  
Mini DeDuster® Control Enclosure

# Specifications

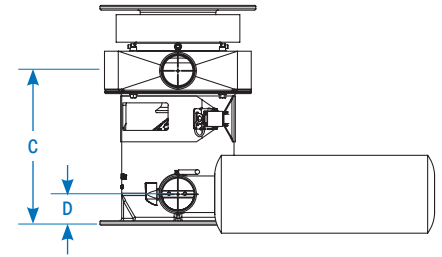
**Front View**



**Top View**

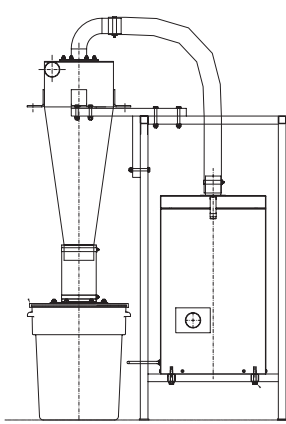


**Side View**

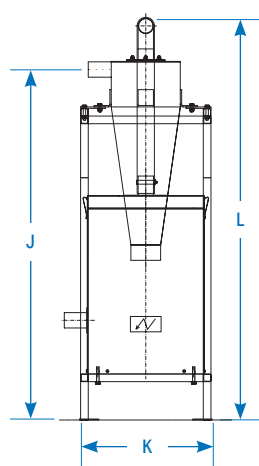


**Stand Assembly**

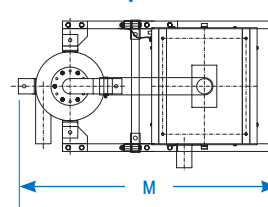
**Front View**



**Side View**



**Top View**

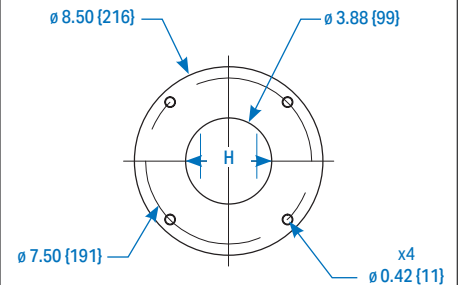


**Application Note**

The use of the C-1100 and C-750 DeDuster models require a system consisting of a cyclone, fan, inline filter, and electrical equipment. As an option, the C-1100 and all system components can be installed as a compact unit on a mobile frame, if desired.

Model	C-750
<b>Flow rate (pellet throughput)</b>	
35 lbs/ft <sup>3</sup> {550 kg/m <sup>3</sup> } bulk density	10 - 750 lbs/hr {4 - 340 kg/hr}
55 lbs/ft <sup>3</sup> {850 kg/m <sup>3</sup> } bulk density	10 - 730 lbs/hr {4 - 330 kg/hr}
<b>Dimensions inches {mm}</b>	
A - Overall flange width	8.5 {216}
B - Overall width	25.70 {654}
C - Height to air outlet	8.40 {214}
D - Height to air inlet	1.70 {43}
E - Overall height	12.00 {305}
F - Flange thickness	0.25 {6}
G - Round stub diameter	2.00 {51}
H - Flange opening diameter	3.88 {98}
J - Height to inlet	45.70 {1161}
K - Overall stand depth	17.00 {432}
L - Overall stand height	52.38 {1331}
M - Overall stand width	33.88 {860}
<b>Approximate weight lb {kg} (DeDuster only - does not include HPDC, stand, cyclone, drum, or control)</b>	
Installed weight	40 {18}
Shipping weight	250 {115}
<b>Available voltages - Approximate full load amps †</b>	
110V, single phase	15
230V, single phase	7.5

**Bolt Pattern\*** Dimensions shown in inches {mm}.



**Specification Notes**

\* Top and bottom mounting patterns are the same.

† FLA data for reference purposes only. Does not include any options or accessories on equipment. For full FLA detail for power circuit design of specific machines and systems, refer to the electrical diagrams of the equipment order and the nameplate applied to the machine.

Specifications may change without notice. Consult with a Conair representative for the most current information.

