

# Continuous Gravimetric Dosing Accuracy

Conair's Blendo Adroit is designed to blend resin in extrusion processes where dosing accuracy and complete homogeneous dispensing of additives to the throat of the extruder is required.

Modular construction allows you to start small or go big – capable of blending between 2 and 6 components at the machine throat. The modular resin bins also allow for quick cleanout and fast ingredient changeover.

The Blendo is the choice blender for processors with fiber applications that require precision and repeatability.



Model BA440

## Loss-in-weight Control of Each Ingredient

The Blendo is capable of throughputs of 450 to 1800 lbs/hr, with easily accessible auger screws for quick and thorough cleaning (no tools required). The manual slide gate allows for auger screw inspection without emptying the hopper.

Very versatile, the Blendo can be mounted on the machine throat, a mezzanine, or a floor stand.

Unaffected by vibrations, the Blendo is designed to easily replace the conventional feed hopper on an extruder throat (as necessary) for direct-feed processes.

Installation is quick, thanks to the integrated power and communications wiring. Mount the blender in place, make your main power connection (and any necessary OPC Ethernet, or TPC/IP communications connections), and any material line connections, and you're ready to test the installation.

- ▶ **Fast material changeovers**  
Each material hopper (bin) has a drain spout for quick and complete emptying of each ingredient.
- ▶ **Cascading mixer**  
The Blendo uses a cascade mixer which provides outstanding ingredient dosing, including resins with different bulk densities and pellet size.
- ▶ **Food-grade materials and finishes**  
Conair's Blendo Gravimetric loss-in-weight blender has food-grade materials and finishes, making sure that all the resin contact surfaces are easy to clean and maintain.
- ▶ **Easily accessible auger screws**  
The auger screws are easily accessed for thorough cleaning, without the need for any tools.
- ▶ **At-a-glance verification**  
The feed hoppers each have a sight glass for visual inspection and level control and feature a quick-release clamp for easy cover removal.

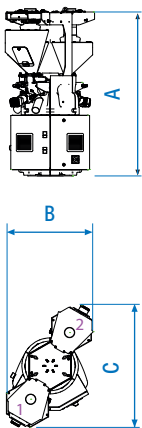
# Specifications

Blender		BA440					BA880					BA1760				
Max throughput lbs/hr {kg/hr}		440 {200}					880 {400}					1760 {800}				
Blender model		442	443	444	445	446	882	883	884	885	886	1762	1763	1764	1765	1766
Number of ingredients		2	3	4	5	6	2	3	4	5	6	2	3	4	5	6
Dimensions																
A- height above mounting plate		inches {mm} 53.15 {1,350}					59.05 {1,500}					68.90 {1,750}				
B- overall width		inches {mm} 28.35 {720}		36.36 {924}	44.76 {1137}	29.72 {755}		31.10 {790}	37.95 {964}	44.76 {1137}	34.64 {880}		38.39 {975}	44.02 {1118}	49.65 {1261}	
C- overall depth		inches {mm} 40.47 {1028}					44.96 {1142}					55.20 {1402}				
Blender - Empty lbs{kg}		353-595 {160-270}					375-650 {170-295}					518-882 {235-400}				
Blender - Full lbs{kg}*		474-959 {215-435}					562-452 {255-1202}					794-1620 {360-735}				
Ambient temperature		Minimum 41°F. Maximum 113°F. {+5° C to +45°C}														
Ambient humidity		Min 5%, Max 95%, condensation free														
Material temperature		Minimum 41°F. Maximum 104°F. {+5° C to +40°C} High heat version: Max 320°F {160°C}														
Compressed air requirements		87-116 psi {6-8 bar} dry, not lubricated and filtered (50µm filter recommended)														
Air consumption		<5 CFM {<5nl/min}														
Power supply		24Vdc (480 V/ 3PH,60Hz at main)														
Full load amps		Contact Conair														

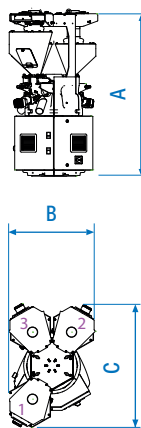
### Specification Notes

\* Maximum throughput rates are based on 35 lb/ft<sup>3</sup> pelletized material, using all standard valve sizes. .  
 Specifications may change without notice. Consult with a Conair representative for the most current information.

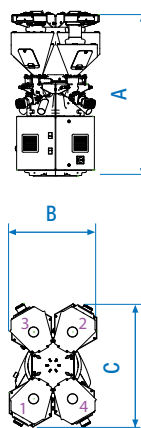
2 Components



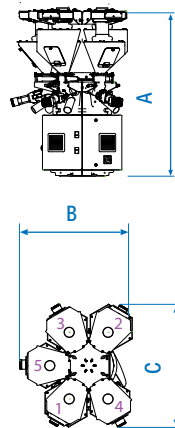
3 Components



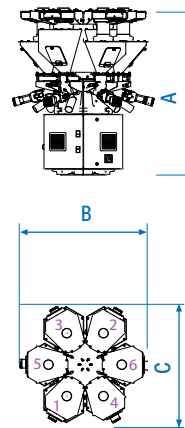
4 Components



5 Components



6 Components



Base

