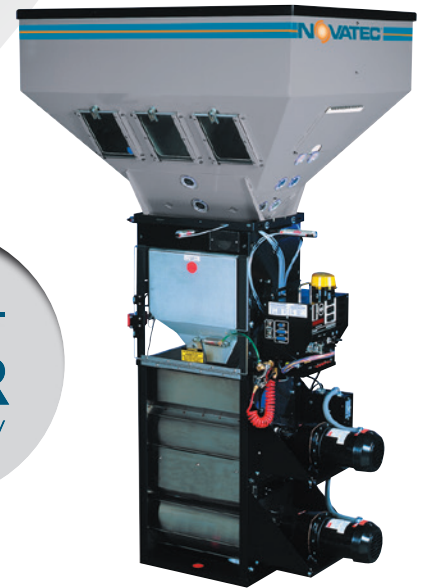




WSB-1800 Series Gravimetric Blender

The series 1800 weigh scale blenders are designed to meet the requirements of high throughput extrusion lines, large central blending systems and multiple component plastic recycling applications. The 1800 Series blender has a double mix chamber to ensure blend homogeneity in higher volume applications.

Twenty-one models have the capability of blending up to 12 components.



WSB-1840

Wide Range Of Settings

Main materials are dosed by a stainless steel slide gate. The slide gate is capable of dosing a wide range of settings, from as little as 1% to 100%, based on an average density free flowing material.

Setup and Operation Reports

Can be printed direct to a USB key. Alternatively, data is also available via Ethernet or serial ports allowing remote access and monitoring.

A level Sensor Controls Blending

Material blending is controlled by a level sensor mounted in the upper part of the mix chamber to retain accurate mixing. When the sensor, in the upper part of the mix chamber, is covered, the blender will not dispense any further batches.

Easy Setup

Settings are made easily by either use- friendly thumb wheels or entering settings directly on the keypad or on the optional touchscreen.

Plus

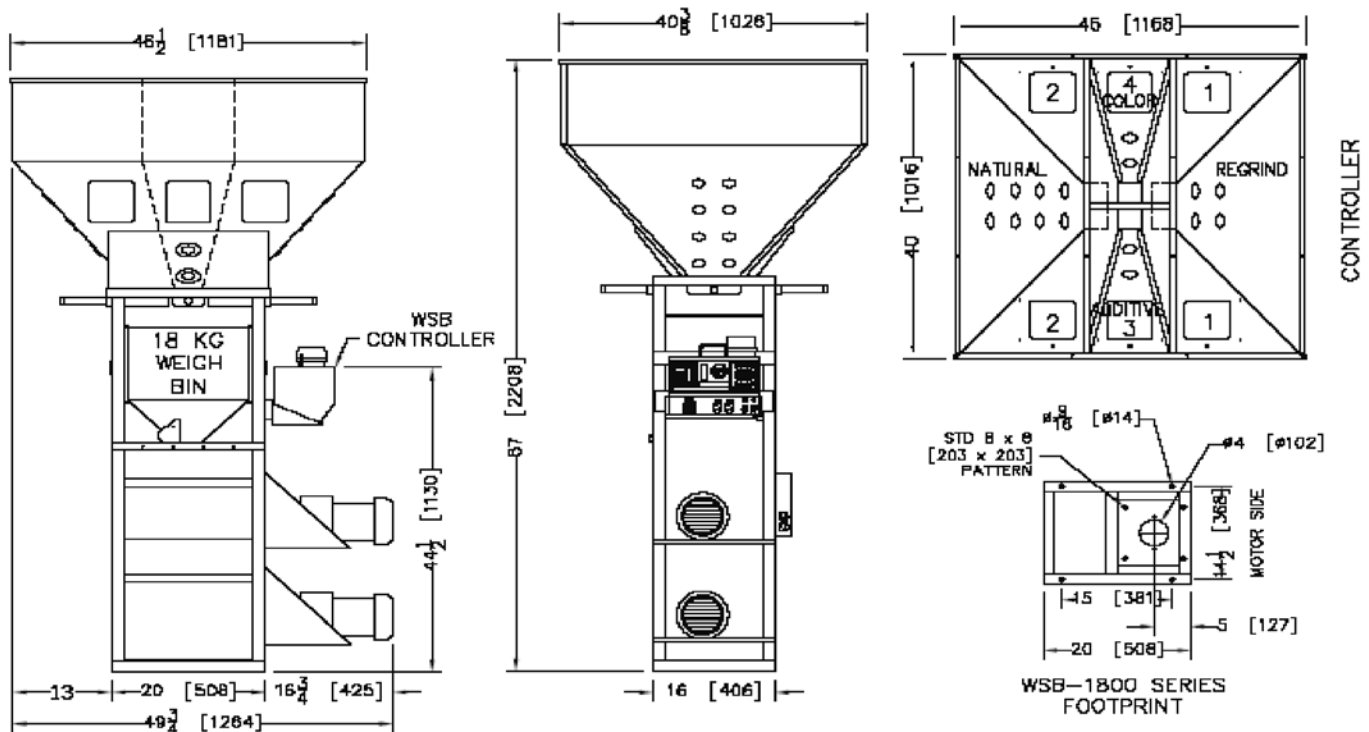
- › Audible and visual alarms
- › A compressed air gun is provided for quick cleanout.
- › Hoppers and augers are mounted above the weigh bin with a default batch size of 2.2 lb
- › Compensation is made when a variation in dispense weight is detected.
- › Special functions can be easily accessed and set via the password protect key.
- › 5-Year warranty

Technical data

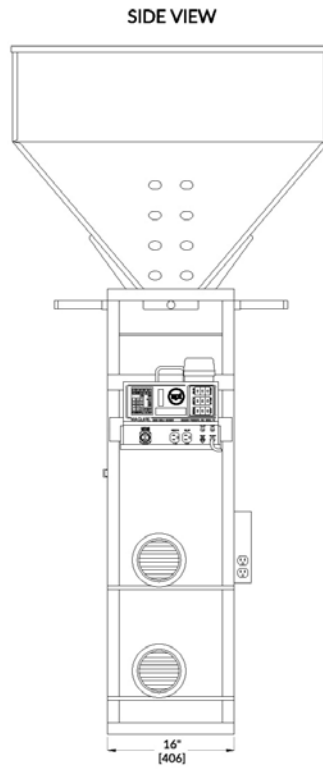
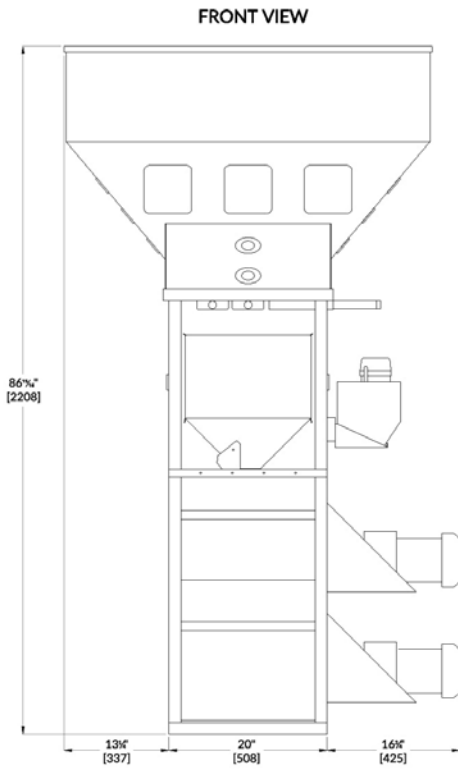
Model	WSB-1840	WSB-1841	WSB-1842	WSB-1860	WSB-1866
Batch Size	Batch size, 39.68 lb (18 Kg)				
Maximum Throughput*	Up to 5000 lb/hr (Up to 2270 Kg/hr)				12
Number of Materials	4	5	6	6	6
Slide Gates	4	4	4	6	6
Vertical Valves/Feeders	0	1	2	0	
Power Supply	120 vac - 8.5 Amp 230 vac - 2.7 Amp 415 vac - 1.1 Amp				
Operating Air Pressure	60-90 psi 4-6 Bar				
Air Consumption	0.3 m ³ /hr 0.17cfm				
Shipping Weight lb/Kg	615/280	655/289	695/316	625/284	865/393

*Throughput achieved is influenced by number of materials, how well they flow, vibration and loading consistency - each can effect maximum output of a blender, which in turn effects sizing the correct blender required for an application.

Dimensions: WSB-1840

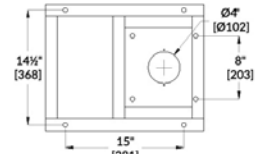


Dimensions: WSB-1850



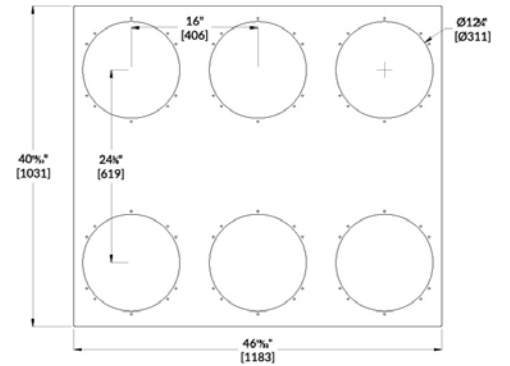
Compartment 1 - 6.6 cu ft [185 Litres]
 Compartments 3 & 4 - 3.3 cu ft [92 Litres]
 Compartments 2 & 7 - 2.5 cu ft [70 Litres]

Footprint

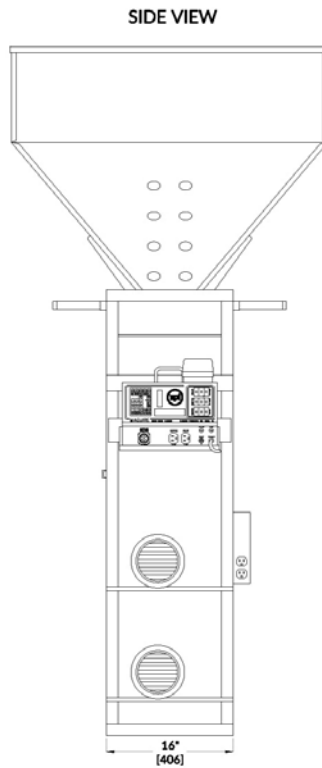
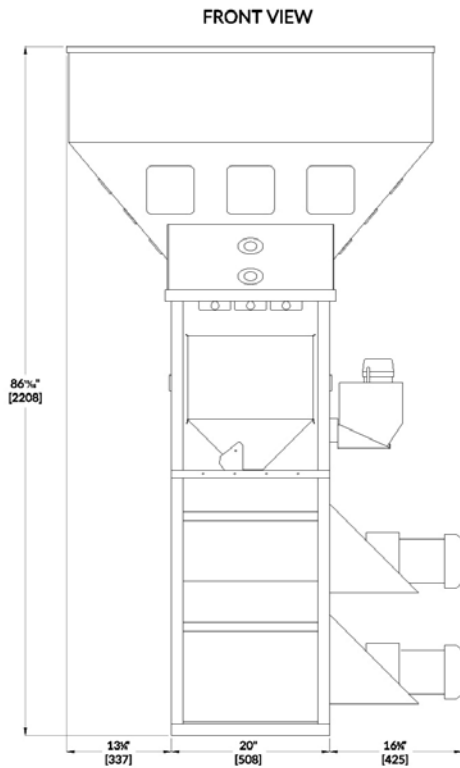


STD WSB Bottom Plate
 1/4" [6.4] Steel Plate

LID TOP VIEW

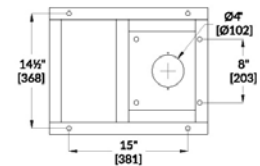


Dimensions: WSB-1860



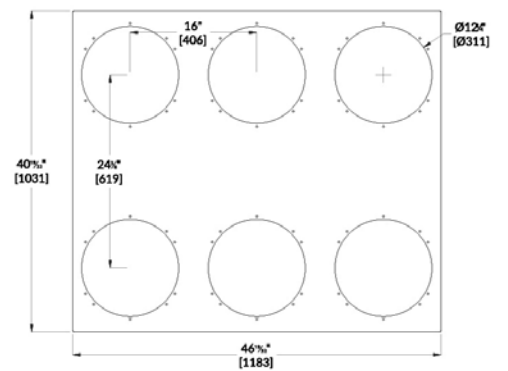
Compartments 1,3,4,8 - 3.3 cu ft [92 Litres]
 Compartments 2 & 7 - 2.5 cu ft [70 Litres]

Footprint



STD WSB Bottom Plate
 1/4" [6.4] Steel Plate

LID TOP VIEW



Advanced Controls Provide Flexibility and Accountability

Standard Controller

Over 40,000 in use around the world

Enter settings for percentage of color, additive or regrind on the thumb wheel switches, and the system does the rest. Clear messages in 9 languages replaces coded readout. User-friendly interface: 2-line, 40-character vacuum fluorescent display. USB port included for software updates, printers and documentation. Ethernet capability now standard.



Operation

Each material is dosed by a stainless steel slide gate. The slide Gate is capable of dosing a wide range of settings, from as little as 1% to 100%, based on an average density free flowing material (0.65 BD).

For enhanced accuracy and consistency on small percentage settings (1% to 4%) a Slide Gate Restrictor (SGR-1) is recommended to restrict the opening of the gate by 50%- this reduces flow and enhances control.

The hoppers are mounted above the Weigh Bin with a default 18kg batch size.

In normal operation the system tares the weight of the weigh bin and then each material is dispensed - Regrind, Natural, Color and Additive in sequence, weighing each material after each dispense confirming material required before moving on to the next material.

The complete batch is released into the mixing chamber, and mixed with the previous batch to ensure a homogenous mix.

Material blending is controlled by a level sensor mounted in the upper part of the mix chamber.

When the sensor is covered the blender will not dispense any further batches. The level of material in the mix chamber is critical to good mixing.

As material in the mix chamber is consumed the sensor is uncovered and then the blender then commences the next cycle.

Control

The WSB Controller has 124 standard features and functions that technically make it lead the industry regarding blending control.

Key to this is the continuous calibration of materials ensuring accurate dispenses of every material within the blend.

The Controller every dispense updates the gram/second flow rate of each material, ensuring consistent accuracy.

Settings are made easily by either user friendly thumb wheels, or entering settings directly on the keypad.

For special functions these can be easily accessed and set via the password protected key-pad.

There is audible alarm and strobe light with silence function, should a batch be incomplete, for example running out of additives or master-batches.

Setup and Operation reports can be printed direct to a USB key.

Data is also available via Ethernet or serial ports, allowing remote access and monitoring to download settings and check job progress.

Integration to other control or ERP systems can be made via leading fieldbuses or OPC interfaces