advanced dispensing and weighing system that accurately controls each ingredient of every batch to the desired amounts. This is uncommon in the industry, as other batch blenders use a dispensing system that averages results over multiple batches. At the blender’s highest setting, each ingredient can be dispensed to an accuracy of +/- 0.02%!

In addition to precise batch-to-batch dispensing, the performance of the mixer is just as critical to the end product. The mixer actually determines how uniform the blend will be. In head to head comparisons with other manufacturer’s gravimetric batch equipment, PCC mixing has been shown to be superior to the competition.

The Guardian® Series 2 gravimetric batch blender was developed for manufacturers and businesses who want simplicity of operation combined with the most accurate dispensing and superior blend homogeneity, all at a low cost. For these customers, Process Control designed the Guardian® Series 2.

The 18.0 kg weigh scale type blender in the Guardian® Series 2 family has been made with redesigned material hoppers to hold each of the ingredients. The 18.0 kg blenders can be supplied with up to six separate ingredient hoppers as standard.

The outlet of each of the individual material hoppers is equipped with a fast acting V-gate valve. Each of the materials is dispensed sequentially into a common weighing hopper in the desired proportions. The weighed materials are then released into a separate “No Dead Zone” mixing chamber, which provides the most consistent homogeneous blend of any batch type blender.

Process Control engineers have developed a highly advanced dispensing and weighing system that accurately controls each ingredient of every batch to the desired amounts. This is uncommon in the industry, as other batch blenders use a dispensing system that averages results over multiple batches. At the blender’s highest setting, each ingredient can be dispensed to an accuracy of +/- 0.02%!

In addition to precise batch-to-batch dispensing, the performance of the mixer is just as critical to the end product. The mixer actually determines how uniform the blend will be. In head to head comparisons with other manufacturer’s gravimetric batch equipment, PCC mixing has been shown to be superior to the competition.

The Guardian® Series 2 blenders have incorporated a built in clean-out system in the design. With a pull-out drain chute and separate manual slide-gate controls, the blender can be cleaned out quickly and easily during product changeovers.

Standard 6" touch screen interface ensures ease of use and quick startups
4 Element, 18kg Guardian® Series 2 Blender

Maximum Throughput Rates
2-Element: 7000 PPH*
3-Element: 5750 PPH*
4-Element: 5100 PPH*
* Depending on Materials, Mix Time & Accuracy Setting

Power
460V/3Ph/60Hz for mixer motor
115V/1Ph/60Hz for controls
or
400V/3P/50Hz for mixer motor
230V/1Ph/50Hz for controls

[ ] Dimensions are in mm
Approx Shipping Weight: 750lbs
6 Element, 18kg Guardian® Series 2 Blender

Maximum Throughput Rates
5-Element: 4300 PPH*
6-Element: 3900 PPH*
* Depending on Materials, Mix Time & Accuracy Setting

Power
460V/3Ph/60Hz for mixer motor
115V/1Ph/60Hz for controls
or
400V/3P/50Hz for mixer motor
230V/1Ph/50Hz for controls

[ ] Dimensions are in mm
Approx Shipping Weight: 850lbs
Optional Features

- Dispensing gate restrictor plate for very low rate ingredients
- Integral extruder and linespeed control modules for mono-extrusion
- Extended cables for remote mounting touch-screen operator control panel
- Low level proximity sensor for material hoppers
- Drain with butterfly valve for material hoppers

- Regrind or Powder Feeder Elements
- Special Electricals
- Special Paint
- Blend Manager software
- Self-Loading Controls
- Up to 12 elements for 18kg
- For lower throughputs, see specification sheet for 2.5kg, 5kg, 12kg Guardian® Series 2 Gravimetric Blenders