



Introducing The First True Mass Flow Measurement Instrument For Flowable Solids

The CentriFlow™ Meter performs to the same high degree of accuracy on products with bulk densities from 1lb to 100lbs/cu ft. Product flow rates can range from 0.7 to 70 cu ft/minute with a turndown ratio of 20:1.



THE BENEFITS OF THE CENTRIFLOW™ METER

Accurate

Unlike existing technology that calculates based on weight, speed, belt tension or volume, the CentriFlow™ Meter actually measures flowable solids in process. This unique measurement ability allows the CentriFlow Meter to have $\pm 0.25\%$ accuracy full scale on virtually all flowable solids, significantly improving the industry standard.

Flexible

The CentriFlow™ Meter is not affected by changes in product elasticity, density, shape or friction. Fluctuations in flow rate don't impact its accuracy. The linearity of the zero friction formula gives the CentriFlow™ Meter its ability to measure at various densities and turndown ratios while maintaining near perfect accuracy.

Solid Construction and Low Maintenance

Sturdy high grade construction with stainless steel flow paths makes the CentriFlow™ Meter a very low maintenance instrument. It rarely requires re-calibration because there are no moving parts. There are no belts or drives. Plus, the electronics are located outside the process stream and are not subject to vibration from the manufacturing process.

Available Options

Vibra-Weigh Metering Pan

For fine floury materials

Electronics Cabinet Air Purge

For extremely dusty conditions

Digital Ratemeter Display

Digital display for the CentriFlow control panel

Plant Efficient Configurations

Designed to fit into just about any existing process with minimal re-configuring, the CentriFlow™ Meter is available in two configurations.

The Type 1 configuration is designed to attach to the end of an existing conveyor belt system. The Type 2 configuration is designed to be used in an in-line application.

Compared to alternatives, the CentriFlow™ Meter is compact and extremely efficient in its space requirements, and it doesn't require floor mounting.

Proven Ability

The CentriFlow™ Meter has been proven in the plastics, food processing, tobacco processing, and coal burning industries, including materials such as plastic pellets, tobacco, corn meal grain, rice, spices, soybeans, pet food, potato chips, and most other flowable material.

Integration

APEC has integrated the CentriFlow™ Meter as the standard pre-feed metering device for our Mistcoater Liquid Application. With the minimal required space and easy maintenance, this was the logical choice. Allow APEC's engineering staff to evaluate your current processes and propose an integrated solution for your dry product metering.