

## INFORMATION

**LOCATION, LOCATION, LOCATION...** Conventional cone-bottom silos, by design, are generally limited to being tall and narrow. The ZoneFlo Silo, with its 15 degree hopper bottom, may be designed wide and low for handling truck and railcar shipments of bulk powders indoors. In addition to the system's ability to hold large capacities of bulk powders in low-headroom areas, the innovative and proven "zoned" aeration bottom also ensures "first-in, first-out" discharge, uninterrupted flow rates and a complete emptying capability.

## FEATURES

**THE "ZONED" AERATION SYSTEM** - While the technique of using fluidization to promote the flow of powders in hoppers is well known, the ZoneFlo System takes it to a new level of sophistication and performance. The ZoneFlo System actually performs the functions of ensuring first-in, first-out discharge, a constant discharge/convey rate and complete emptying. A simple air controller component provides a substantial source of high volume/low pressure air in an alternating sequence to the (12) small zones on the floor of the silo. As each zone (only about 15 sq. ft. in area) is "blasted" with the high volume/low pressure air, the material over that zone actually appears to boil, ensuring that the entire area is fluidized - no dead spots. In between activating each perimeter zone (for about 20 seconds each), the center zone is also activated for a short time to keep a constant flow rate to the conveying system. (Patent Pending)

**A COMPLETE LINER SYSTEM** - Because most indoor silo designs require small, bolt-together panels, resulting in a couple hundred feet of seam areas that may potentially leak and/or require special caulk and other maintenance functions, the ZoneFlo Silo is equipped with a complete floor and liner wall system. It ensures that the interior surface is free from leaking (in or out), contamination and infestation issues. The smooth and slick surface of the liner also reduces the chance of sidewall build-up and eliminates the need for special epoxy coatings and stainless steel. (Patent Pending)

**PLEATED FILTER TOP** - Another cost-effective and important innovation of the system is ZoneFlo's pleated filter top. In addition to a pleated filter top eliminating the need for a dust collector system, it provides approximately three times the surface area for dust collection. Its 500 sq. ft. (approx.) of surface area is more than enough to easily handle PD tanker shipments and the "whoosh" or sudden blast that occurs at final discharge. The bottom surface is glazed to a very smooth finish so that flour and other powders will simply fall off, requiring little or no maintenance and cleaning by the operator. (Patent Pending)

### **STORAGE CAPACITY & INSTALLATION** -

The typical ZoneFlo Indoor Silo is designed to handle from 60,000 to 120,000 lbs. of bulk material in limited headroom areas of your processing facility. Whether on an upper floor, basement location or right on the production floor of your plant, the bolt-together panels are fast and easy to install.

