

# Acrison®

## VIBRATING BIN DISCHARGERS

### MODELS VBD-18, VBD-26, VBD-32 and VBD-36

Acrison's Vibrating Bin Dischargers have been designed to promote positive discharge of dry solid materials from a storage hopper into an Acrison feeder. Discharge is on a first-in/first-out basis and is accomplished without compaction, degradation or attrition.

The Vibrating Bin Discharger is factory mounted onto the selected storage hopper with its discharge outlet flexibly connected to the feeder inlet. A specially designed reinforced flexible sleeve, with stainless steel clamps, prevents product leakage between the storage hopper and the Vibrating Bin Discharger.

Depending upon the size of the VBD, standard storage hoppers typically range in capacity from 4 to 180 cubic feet as indicated below. However, when sizing storage hopper capacities, product handling characteristics must also be taken into consideration.

- VBD-18....4 to 15 cubic feet
- VBD-26....15 to 30 cubic feet
- VBD-32....35 to 60 cubic feet
- VBD-36....90 to 180 cubic feet

The Vibrating Bin Discharger is suspended from its storage hopper by three or four suspension rods (depending upon the Model) equipped with vibration isolators. An internal baffle is rigidly mounted to the Vibrating Bin Discharger to prevent compaction at the outlet. Vibration is produced by a totally enclosed, permanently lubricated, adjustable motor driven vibrator, silent in operation.

Acrison Vibrating Bin Dischargers are only available for use in conjunction with Acrison feeders as a factory assembled package. Standard materials of construction are carbon steel, 304 stainless steel and 316 stainless steel. Special coatings and finishes are available. Electrical requirements are 115/230/1/60 or 230/460/3/60.



A Model VBDSB-32 Vibrating Bin Discharger with a Storage Hopper (40 cubic feet in capacity) discharging into an Acrison Model 105Z Volumetric Feeder furnished as an integral assembly on a common structure.