

Operating Instructions

To Obtain Maximum Performance

It is not necessary to operate the vibrator at its maximum capacity to obtain maximum performance. Air regulators, timers, etc. should be used to tune the vibrator for optimum performance and ensure longer life.

Continuous vs. Intermittent Operation

For bulk material bin applications, the vibrator should be used to reduce the material friction and increase flow, not as a feeder. Once the friction of the particles is reduced, gravity flow takes over and the vibrator should then be turned off for several reasons:

Economy. Most vibrators are run 60% to 80% longer than they should. Short bursts of vibration are usually more effective than operating continuously. Experience has shown that for most applications, short bursts of 10 to 30 seconds for every 1 to 5 minutes of discharge are more effective and efficient.

Life of the Unit. The life of the vibrator will be determined by the length of operation and the cleanliness of the air supply.

Guaranteed Success of the Application. The vibrator can only furnish material to the discharge area. If more is furnished than conveyed, the remaining material will pack inside the bin. We suggest the vibrators only run when the bin gates or doors are open, or when material flow is needed.

Maintenance

VIBCO turbine vibrators function without maintenance. They require no lubrication in the air line. It is advisable to put an air-cleaner in the line to prevent dust and dirt from going through the unit and clogging the muffler. All models are easily repairable. Remove both nuts, press the shaft out of the bearings and turbine. Use Andok C or Unirex N2 (by Exxon) or equal type of grease. When reassembling be sure the turbine wheel is put back so that the incoming air will hit the pocket of the tooth, not the back of the tooth.