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KDA-VV/80-Pharma Vibratory Tray Feeder for Pharmaceutical Applications



Arbo's KDA-VV/80 volumetric vibratory tray feeder is based on its vibratory drive type AF14 with tachometer feedback for operation at resonant frequency of the tray and the material on the tray.

Several tray models are available and are selected according to the material and feed rate requirements. Models include:

- 80 x 605 mm, stainless steel 316
- 80 x 430 mm, stainless steel 316
- square shape
- V shape
- Round shape
- Tube

The feed range is divided into ten subranges. Each such subrange can be controlled from 0 to 99.9%. The same feeder can be set to feed fractional pounds per hour or hundreds of pounds per hour.

The majority of fillers used in the pharmaceutical industry are bad flowing, sticky powders with a tendency to rathole. The vibrated hopper of this feeder is designed to improve the flow of the materials from the hopper. The vibration energy is supplied from the tray drive (AF14) through the inlet gasket of the tray.

The materials used are mainly SS316, pharma finish (20 microinch RA inside, 40 microinch RA outside), with the sole exception of the drive. It is painted stainless steel.

The volumetric control panel shown above is also housed in a stainless steel enclosure.

Options:

Vibrated hopper for sticky powders
Protective grid on hopper inlet

Various hopper sizes
Various tray sizes and styles

Hopper cover
Gravimetric Adaptation