## SPECIFICATIONS

- **Vibrators per Hopper:** 4/3/2 (based on hopper size, dust loading, and outlet opening)
- **Controllers per Panel:** 4
- **Type:** Electromagnetic Dual Coil
- **Vibrations per Minute:** 3000
- **Amplitude:** 5 mm, adjustable 0–100% via potentiometer
- **Power Consumption:** Max 750 Watts/channel
- **Coil Voltage:** 20 +/– 10%, 1 Phase, 50/60 Hz
- **Timer:** Microcontroller–based, On/Off
- **On Time:** 15–90 seconds adjustable
- **Off Time:** 15–3600 seconds adjustable
- **Soft Start Time:** 12–15 seconds
- **Thermal Shutdown:** Activates at 75°C via NTC thermistor
- **Power Control:** Intensity control 0–100% per channel
- **Feedback Control:** Optional opto–isolated voltage feedback
- **Ordering Details:** Includes 4 electromagnetic vibrators, control panel, and mounting hardware.

Electromagnetic Vibrator (EMV) with Control Panel(CP)

KEY FEATURES

- **Powerful Dual Magnet:** 750W design for effective vibration over large hopper areas.

- **Versatile Voltage Operation:** Compatible with 110/220/440 VAC at 50/60 Hz.

- **Precise Amplitude Control:** Adjustable 0–100% using zero–crossing techniques and microcontroller TRIAC firing with a soft start.
- **Multi–Vibrator Sequencing:** Control up to 4 vibrators from a single fan–cooled panel.
- **Automatic Thermal Shutdown:** Auto thermal shutdown for 440 VAC with alarm output.
- **Vibration Failure Detection:** Detects failures and activates alarm relays for PLC integration.

Technology

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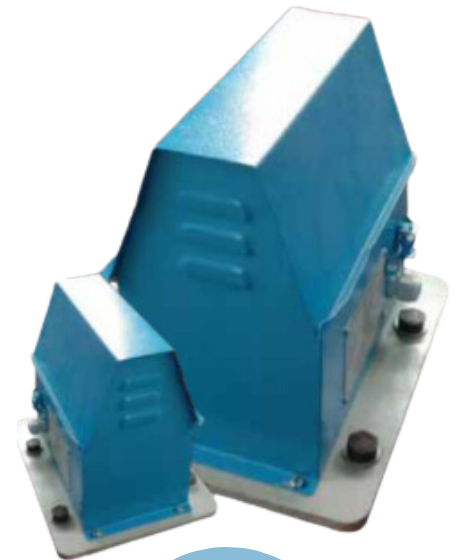
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APPLICATIONS

- **AgriTech –** Fruit Sorting and Grading, Livestock Feed Distribution

- **Pharmaceutical –** Tablet Disintegration Testing, Powder Flow Control, Mixing and Blending, Dosing and Packaging

- **Food & Beverage –** Ingredient Dispensing, Powder and Granule Handling, Sieving and Screening, Conveying and Packaging

- **Mining Tech –** Material Flow and Discharge, Ore Separation and Sorting, Screening and Sizing, Bin and Silo Discharge, Dust Suppression

Electromagnetic Vibrator (EMV) with Control Panel(CP)

KEY FEATURES

- **PLC Feedback and Control:** Operable and controllable through a PLC for local or remote operation.
- **Max Current Control Potentiometer:** On-board potentiometer for maximum current control.
- **Microcontroller-based Timer:** Independent On/Off timer for precise vibration timing on each channel.