

Sequential Pneumatic Vibrator Control System



Product Overview

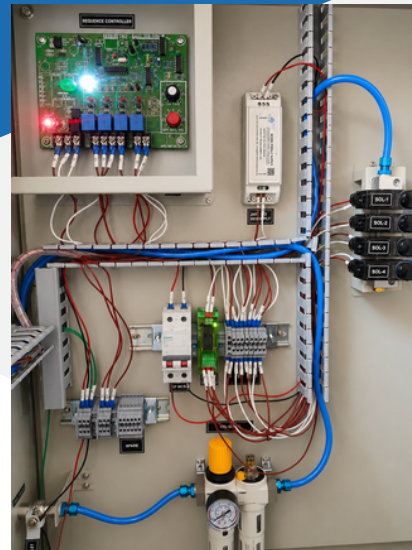
The Sequential Pneumatic Vibrator Control System is designed for bulk material handling applications where bridging, rat-holing, compaction or inconsistent discharge can interrupt production.

A microcontroller-based sequencing panel manages the operation of two, three or four pneumatic vibrators. Each vibrator is activated one at a time according to a programmed sequence, allowing material to move progressively through the hopper or silo.

The system is supplied as an integrated package and can be configured to suit different materials, vessel sizes and process requirements.

Why Use Sequential Vibration?

Conventional System	APS Sequential Control
All vibrators operate simultaneously	One vibrator operates at a time
High compressed-air consumption	Reduced compressed-air usage
Increased compressor load	Lower compressor load
Greater equipment wear	Extended equipment life
Higher operating costs	Lower operating costs
Inconsistent material flow	Controlled, consistent material flow



Key Features

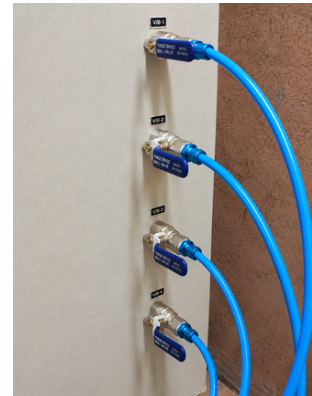
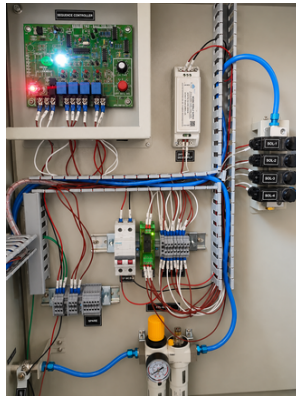
- Intelligent electronic sequencing controller
- Controls two, three or four pneumatic vibrators
- Adjustable ON time up to 2 minutes
- Adjustable OFF time up to 30 minutes
- Automatic repeating vibration sequence
- Operator-selectable starting vibrator
- Integrated air filter and pressure regulator
- Industrial solenoid valve manifold
- Individual pneumatic outlet connections
- Visual operating-status indicators
- Main power isolation switch
- Emergency stop for improved safety
- Industrial electrical enclosure
- Factory assembled and tested
- Designed for continuous industrial operation



Key Specifications

Control System		Pneumatic System		Construction	
Controller	Microcontroller-based	Air Preparation	Filter & Regulator	Enclosure	Industrial Grade
Vibrators	2, 3 or 4	Valve Type	Solenoid Manifold	Wiring	Factory Wired
ON Time	Up to 2 minutes	Outlets	Individual Connections	Testing	Factory Tested
OFF Time	Up to 30 minutes	Air Supply	Regulated	Duty	Continuous Operation
Sequence	Automatic				
Start Position	Selectable				
Safety	Main Isolator + E-Stop				

Model Snapshot



System Configuration

Model	Suitable For
2 Vibrators	Small bins & hoppers
3 Vibrators	Medium vessels
4 Vibrators	Large silos & bulk storage

Key Benefits

✓ Reduced Air Consumption	✓ Lower Operating Noise
✓ Improved Material Flow	✓ Reduced Maintenance
✓ Lower Compressor Load	✓ Adjustable Process Control
✓ Less Equipment Wear	✓ Reliable Material Discharge

Applications

Ideal for bulk material handling across:

- Cement plants
- Concrete batching
- Mining & mineral processing
- Grain & flour handling
- Animal feed production
- Fertiliser & chemical processing
- Plastic & pharmaceutical manufacturing
- Recycling facilities
- Bulk storage terminals
- Industrial processing plants

Conclusion

The APS Sequential Pneumatic Vibrator Control System delivers reliable bulk material flow while reducing compressed-air consumption, equipment wear and operating costs through intelligent sequential vibration control.

