



PNEUMATIC VIBRATORS



Pneumatic Vibrator

AGIERRE's *Linear Pneumatic Piston Vibrators* are designed to optimize material discharge efficiency and facilitate smooth product unloading in various industrial processes.

Pneumatic Air Vibrators are essential for preventing powder blockages in Hoppers, Pharma Bins, Containers, Reactors, Mixers, Fluid Bed Dryers, Dosing Systems, Pneumatic Conveying Systems, and other applications where constant and consistent material flow is crucial.

Functionality and Operation

Pneumatic Vibrators utilize a linear vibration principle. Compressed air creates a rapid back-and-forth movement of a piston within a cylinder by applying and releasing pressure to and from internal chambers. This creates a linear vibratory motion that is transmitted to the equipment, eliminating clogging and facilitating the uninterrupted flow of powder materials.

Pneumatic Vibrator with Circular Suction Cup Mount



Pneumatic Vibrator with Oval Suction Cup Mount



Flange Mounted Pneumatic Vibrators



Tri-Clamp Mounted Pneumatic Vibrators



Pneumatic Vibrator with Triple Suction Cup Mount



Pneumatic Vibrator with Double Suction Cup Mount



INSTALLATIONS & APPLICATIONS

Adjustable Vibration Frequency

The vibration intensity is easily regulated by setting the inlet air pressure between 1 and 6 barg, providing precise control of the process for optimal performance in different applications.

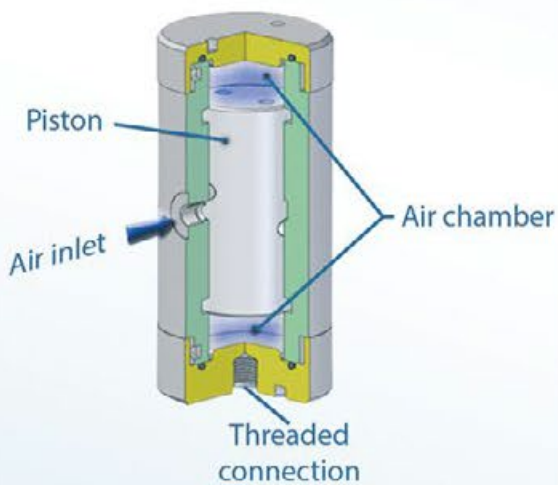
ATEX Compliance

Approved to ATEX 1/21 G/D certifications, these Pneumatic Vibrators meet strict safety standards for use in potentially explosive and hazardous environments.

Versatile Attachment Options

- Flange Connection;
- Tri-Clamp Connection;
- Suction Cup Mount.

AGIERRE's Pneumatic Vibrators are manufactured from aluminum and AISI 440C stainless steel compliant. They have unique and innovative designs free from the traditional closing stoppers with screws. Their electrolytic nickel-plated external finish has increased durability and



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In a commitment to simplify installation and enhance flexibility, AGIERRE has introduced an innovative suction cup attachment. This fast and easy connection allows tight mounting on metal, plastic, and cardboard surfaces. The suction cup design is particularly advantageous when the vibrator needs to be moved to multiple points on the same machine or several machines in different areas.

The suction cup attachment is engineered to support the vibrator's force while providing quick and secure mounting to the machine's surface. It consists of a vulcanized suction cup, available in black rubber or silicone. The suction cup is reinforced with a stainless steel support to ensure durability and strength to sustain the vibrator's operation.

Vacuum Mount Pneumatic Vibrators are equipped with an **Air Control System** that performs two critical functions:

- it creates a vacuum in the suction cup, allowing the secure attachment to the surface;
- it activates and precisely regulates the vibration power.

Air Control



PNEUMATIC LINEAR VIBRATORS TECHNICAL VALUES AND CONSUMPTION

Model	Frequency Ripples/min	Force (N)	Air Consumption l/min
	6 Bar	6 Bar	6 Bar
MRT 25 - 25X	5500	425	240
MRT 35 - 35X	5000	810	270
MRT 45 - 45X	4750	1420	390
MRT 15/O - 15/OT	6700	60.37	32
MRT 22/O - 22/OT	4000	191.20	70
MRT 30/O - 30/OT	3700	341.15	143
MRT 45/O - 45/OT	2500	705.61	195
MRT 60/O - 60/OT	2100	2123.52	200
MRT 45/OTM	2500	705.61	195
MRT 60/OTM	2100	2123.52	200