

# Pipe and Chute Vibrator

NAVCO<sup>®</sup> Pipe and Chute Vibrators are engineered specifically to address bulk material flow issues in pipes and chutes. Whether its material plugging or sticking, NAVCO Pipe and Chute Vibrators provide the vibration necessary to Get Your Material Flowing!

## Time Tested Industrial Vibrators

Introduced in the late 1980's, Pipe and Chute Vibrators have kept material flowing across the USA and around the world, improving industrial processes for generations.

## Deployed Across Multiple Industries

Agriculture, Energy Generation, Construction, Pharmaceutical, Mining, Food Processing, Metal Manufacturing, and many more.

## Pneumatic or Electric Options to Fit Your Application

Available with pneumatic or electric drive options, Pipe and Chute Vibrators are easily incorporated into industrial processes using existing utilities.

## Keeping a Wide Variety of Material Flowing

Coal Grain Processed Aggregates, Bio-Mass, Chemicals, Powders, Flour, Candy, Hemp, Food, Baby Formula, Battery Powders, Radiator Dirt, Cereal, and many more.



## Stop Hammering Pipes and Chutes

While the common method of hammering pipes and chutes may result in material flow for the short term, its damaging effects on process infrastructure lead to worsening, long term material flow issues and equipment failure. NAVCO Pipe and Chute Vibrators are designed to reinforce the structure of the pipe and maximize vibration transfer into the stuck material to restore material flow. The Pipe and Chute mount's bolt-on design makes implementation simple, allowing for quick installation and restoration of material flow.

## Eliminate Pipe Plugging

Restore material flow in pipes and chutes by using vibration to reduce material strength and sliding friction, resulting in the elimination of bridging, ratholing, and plugging.

## Safety

Often times unsafe practices, such as swinging heavy objects overhead or from elevated positions, are used to restore flow. These practices can lead to an increase in loss time injuries and damaged equipment. NAVCO Pipe and Chute Vibrators eliminate these practices, enabling a safer work environment for employees and equipment.

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# Pipe and Chute Vibrator

Vibration Technology for Processing Bulk Materials

Bulletin: 1000.013

## Process Reliability

Downtime and process upsets can have a negative impact on productivity and profitability. Pipe and Chute Vibrators eliminate process interruptions due to lack of material flow.

## Automation

Tieing into timers. Push button start stop etc.

## Light Duty to Heavy Duty Mounting

### U-Bolt Mount

U-Bolt Mounts utilize an application tailored vibrator mounting surface, with u-bolt style fasteners matched to fit the outside diameter of the pipe to which the unit will be attached. The U-Bolt Mount is a low cost solution, often utilized in lighter duty applications with occasional material flow issues.

### Saddle Mount

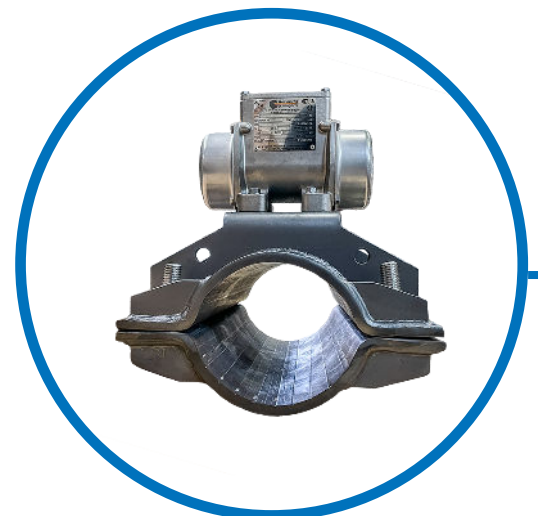
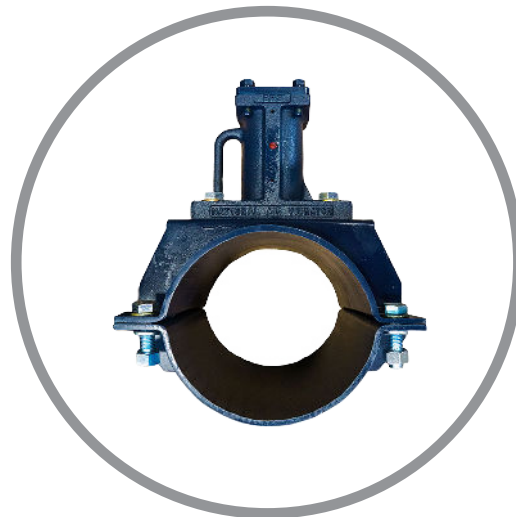
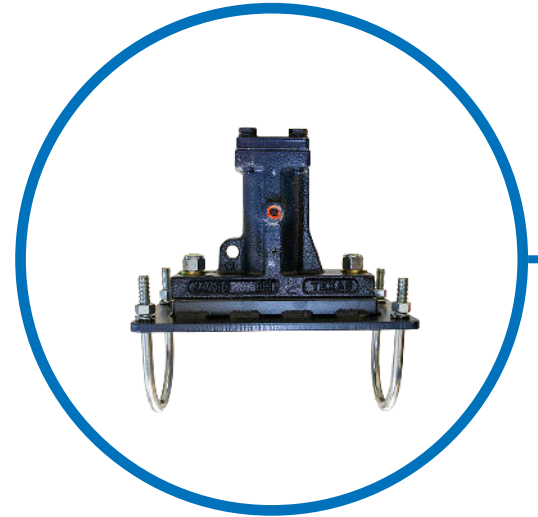
Saddle Mounts feature heavy duty bracket construction, that are built to reinforce the pipe's circumference and maximize the surface area through which the vibration is transferred. The Saddle Mount is a great solution for light to heavy duty applications where material flow problems are frequent and/or critical to the process."

### Customizable Mounting Available

NAVCO offers built-to-order pipe mounting solutions that integrate seamlessly into your process. Our saddle mounts have been provided with many various application-tailored design features. Examples of such features include a hinged, quick clamp mechanism for applications involving rapid relocation of the equipment, or stainless steel construction for washdown environments.

### No Welding Required

Bolt-on design requires no welding for installation, eliminating the need for hot work permits. Clamp style assembly allows for easy relocation of the vibrator to meet changing process conditions



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