

# Vibrahoist

## Improve the Galvanizing Process

The NAVCO® Vibrahoist System is designed to apply vibration to a suspended load. It is most often used in the galvanizing industry to remove free zinc as parts are hoisted out of the zinc tank. The Vibrahoist can be used in any application that requires vibration to suspended loads.

### Built in the USA

Made in the USA, the NAVCO Vibrahoist is designed and manufactured in Houston, TX.

### Designed For Galvanizing

- Removes free zinc before it solidifies
- Conserves zinc by reducing waste
- Saves labor by minimizing grinding and clean up time
- Improves finish
- Eliminates dead spots between parts



## Improving Multiple Steps in the Process

The Vibrahoist is used in several applications during the hot dip galvanizing process including:

### Pickling

Mild agitation can speed up and improve the cleaning process. The result is improved finish quality and less re-work.

### Kettle Dip

Mild agitation of parts while in the kettle will reduce cook times, increasing potential throughput. Upon removal, vibration is effective in removing excess zinc before it solidifies, reducing clean up and conserving zinc.

### Drossing

During dross removal, vibration can significantly reduce the free zinc in the dross. Labor and drossing time is reduced.

### Working Together

Vibrahoist can be used at each suspension point on large loads to optimize the influence of vibration to the load.

## CONTACT US TODAY AT

E. SALES@NAVCO.US

W. NAVCO.US

A. 11929 BRITTMOORE PARK DR.

P. 832.467.3636

F. 832.467.3800

HOUSTON, TX 77041

## Pneumatic and Electric Models

### Electric Vibrahoist

The NAVCO Electromechanical Vibrahoist develops vertical, linear vibration through two counter rotating electromechanical vibrating drives. The heavy-duty drives are designed for continuous duty at maximum force output. Force output is adjustable from zero to 100 percent. These powerful drives are totally enclosed and nonventilated, making them well suited for duty under adverse conditions. The control system includes an adjustable electronic brake, a complete motor starter package, and a remote pendant control. The Electric Vibrahoist can be set to handle loads of up to 10,000 lbs.

Utility Requirements: 230/460 V, 3 phase, 60 Hz

Height: 29"

Weight: 750 lbs

### Pneumatic Vibrahoist

The NAVCO Pneumatic Vibrahoist develops vertical, linear vibration through a NAVCO pneumatic piston drive. The force output is 300 to 800 lbs. adjustable with air pressure. The pneumatic Vibrahoist can be set to handle loads of up to 5,000 lbs.

Air Consumption: 35 SCFM @ 80 psi

Height: 39"

Weight: 550 lbs



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