

Pipe Mounted Vibration

Flow solutions for pipes and chutes

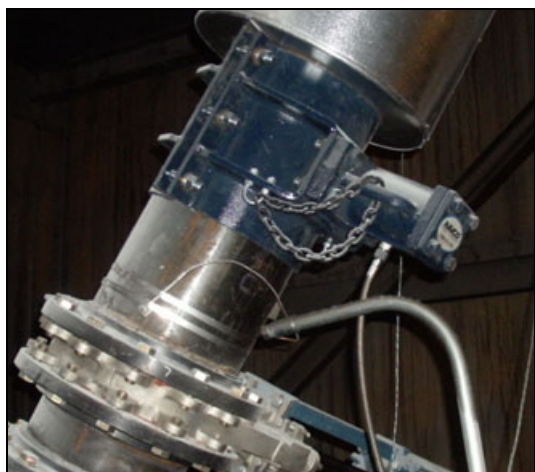
The Background

A coal fired power plant in the Northern United States was experiencing build-up in coal chutes directly above the feeders. Clearing the chutes manually was a very labor intensive and hazardous operation. Several attempts were made to resolve the problem, including vibrators mounted in a variety of configurations. However, due to the severity of the problem, and the difficulty in mounting a vibrator on a pipe at the flow restriction, the attempts were not successful.

The Objectives

When NAVCO was contacted about the flow issue, the following objectives were identified:

- Provide a rigid mounting assembly to mount a vibrator to a pipe
- Maximize the area of influence of the vibrator
- Provide an assembly that could easily be relocated to changing flow restrictions
- Specify the correct vibrator size and type for optimum results

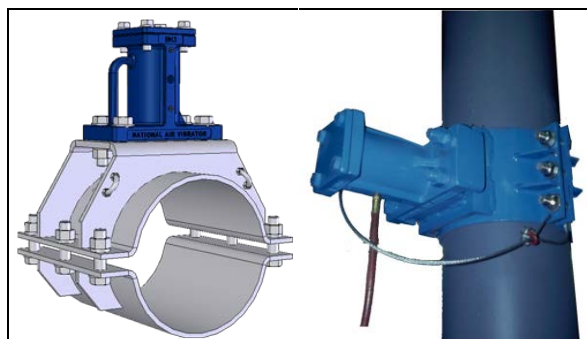


The NAVCO Solution

With these objectives in mind, the NAVCO Saddle Mount system was developed.

Our unique design features:

- Rugged bracket construction – provides reinforcement of the pipe
- Maximum surface area contact transmits the vibration energy directly through the pipe and into the material
- Clamping assembly – easily loosen and relocate to meet changing flow restrictions
- Repetitive short time duration impulse vibrator provides effective vibration and efficient vibration energy transmission to the pipe or chute



Results

The NAVCO Saddle Mount successfully achieved chute cleanout and has been installed at several additional locations throughout the plant, both upstream and downstream from the feeders.

NAVCO Saddle Mounts are manufactured to order for any size pipe or chute and vibrator. The unit is provided complete with safety cables and fasteners. For more information on NAVCO products and services, visit us online at www.navco.us, or call us at 800-231-0164.