Coal Chute Vibration
Coal Chutes Unplugged

Coal chutes feeding the pulverizers in a Midwestern coal generating facility were plugging. A combination of factors including material characteristics, moisture and temperature variations contributed to the problem. Limited feed to pulverizers could lead to costly reductions in generating capacity.

NAVCO suggested installation of a vibrator system utilizing the NAVCO PBS Saddle bracket. These brackets are custom designed to the chute size. They protect the integrity of the chute while efficiently transferring energy to facilitate flow. The bolt-on design is easy and inexpensive to install.

After a successful test on two chutes, a complete system was installed.

The vibrator system included controls for process integration and air accessories to assure reliable operation and long life.

Bolt-On Vibrators for Pipes & Chutes

NAVCO's Saddle Mount Vibrator System keeps your process moving by ensuring material flow through problematic areas of pipes and chutes. NAVCO's unique approach to vibrator mounting on pipes and chutes maximizes energy transfer to keep even the most stubborn of materials flowing. The bolt-on mounting assembly is installed without welding, and can be loosened and relocated to meet changing flow restrictions.

- Heavy-Duty bracket construction provides reinforcement of the pipe to maximize the vibrators area of influence
- Maximum surface area contact transmits the vibration energy directly through the pipe and into the material
- Clamping assembly allows easy relocation of vibrator to meet changing flow restrictions
- NAVCO specifies the correct vibrator size and type for optimal results
- Bolt-on, no welding required
- Made in the USA.