

IMPROVING FLOW EFFICIENCY AT COAL PLANTS WITH VIBRATORY EQUIPMENT

Solutions for Unloading Coal from Railcars

Railside Car Shakers are designed to facilitate the unloading of coal from rapid discharge railcars. The Railside Car Shaker is easily installed at ground level adjacent to the rail. Available in Electric or Pneumatic. Bulletin #2000.300 **NAVCO**

Overhead Car Shakers are unique, heavy duty units designed to facilitate unloading of older steel or aluminum coal cars. A hoist/trolley system is required for handling the Overhead Car Shaker. Bulletin #2000.301 **NAVCO**

Rotarymatic System is a field proven vibration system designed to facilitate complete unloading of railcars being discharged in a rotary dumper. Bulletin #2000.403 **NAVCO**

Single mass, brute force vibratory feeders are excellent as reclaim feeders. JVI feeders are low maintenance, do not require tuning and can run full or empty. **JVI**

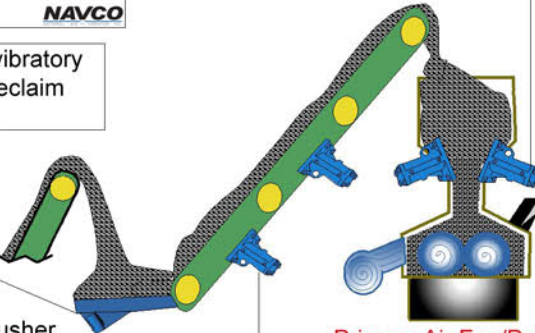
Solutions for Railcar Dump Hoppers

BH Pneumatic Piston Vibrators efficiently and effectively promote coal flow from railcar dump hoppers. High stroke, explosion proof NAVCO electric vibrators also work well in this application. Bulletin #1000/#1000.201 **NAVCO**

UPF Vibratory Feeders are single mass, brute force feeders ideally suited to discharge coal at high capacities from railcar dump hoppers. JVI feeders are low maintenance, do not require tuning and can run while fully loaded or empty. **JVI**

Solutions for Conveyors, Chutes and Bunkers

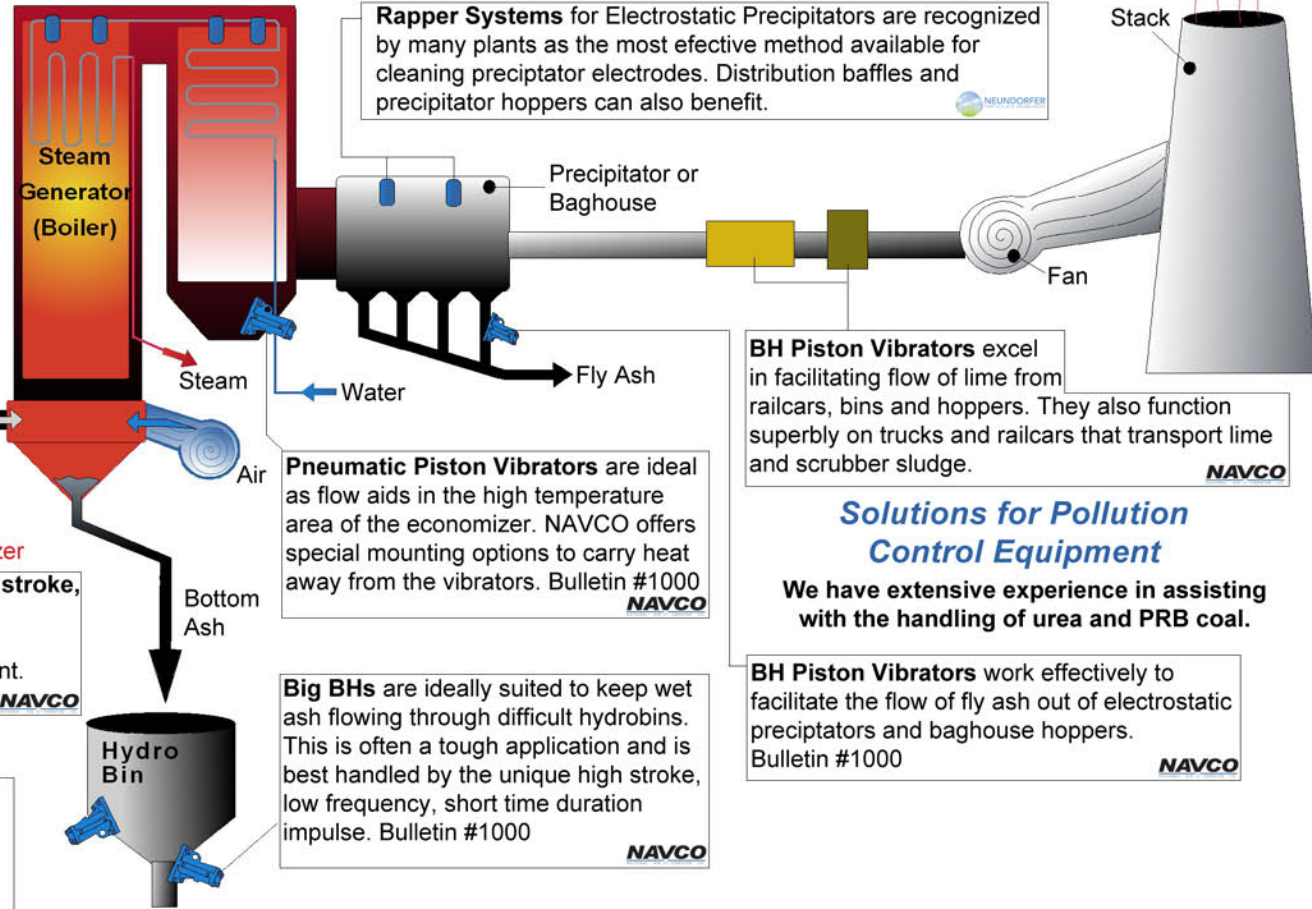
Big BH Vibrators are the ultimate coal flow aid device. Their broad area of influence and effective reduction of material sliding friction and consolidation strength combined with the ease of installation makes BHs the tool of choice over air blasters and other flow aids. Bulletin #1000 **NAVCO**



BH Pneumatic Piston Vibrators and NAVCO's high stroke, explosion proof electric vibrators are excellent for promoting flow and preventing coal from sticking on transfer chutes throughout the coal yard and in the plant. Bulletin #1000 **NAVCO**

Solutions for Separating and Crushing

Grizzly/Spreading Feeders distribute coal evenly across the full width of the crusher. This approach effectively distributes the load to eliminate localized/uneven wear to the crusher. A gain in efficiency and capacity is recognized by allowing fines to bypass the crusher. JVI also offers linear screens. **JVI**



Rapper Systems for Electrostatic Precipitators are recognized by many plants as the most effective method available for cleaning precipitator electrodes. Distribution baffles and precipitator hoppers can also benefit. **NEUNDORFER**

BH Piston Vibrators excel in facilitating flow of lime from railcars, bins and hoppers. They also function superbly on trucks and railcars that transport lime and scrubber sludge. **NAVCO**

Pneumatic Piston Vibrators are ideal as flow aids in the high temperature area of the economizer. NAVCO offers special mounting options to carry heat away from the vibrators. Bulletin #1000 **NAVCO**

Big BHs are ideally suited to keep wet ash flowing through difficult hydrobins. This is often a tough application and is best handled by the unique high stroke, low frequency, short time duration impulse. Bulletin #1000 **NAVCO**

Solutions for Pollution Control Equipment

We have extensive experience in assisting with the handling of urea and PRB coal.

BH Piston Vibrators work effectively to facilitate the flow of fly ash out of electrostatic precipitators and baghouse hoppers. Bulletin #1000 **NAVCO**

*Exciting Alternate Solution for New Facilities

The TITAN is a field proven, proprietary hopper discharge system utilizing heavy duty JVI feeders with special controls. The TITAN is designed to take advantage of the efficiencies of railcar dump hoppers with long slotted discharge openings (vs. traditional pant leg type hoppers). The efficiencies included optimum geometry for high volume, shallow excavation pits, and excellent material flow characteristics. **JVI**

FOR MORE INFORMATION, CALL NAVCO AT 1 (800) 231-0164