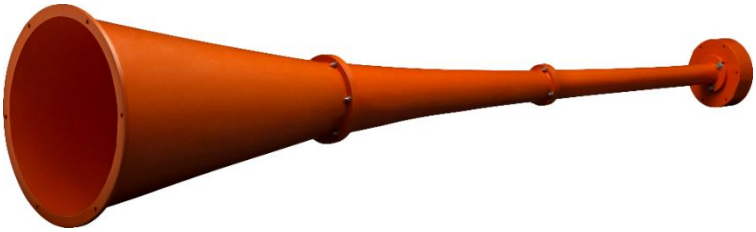
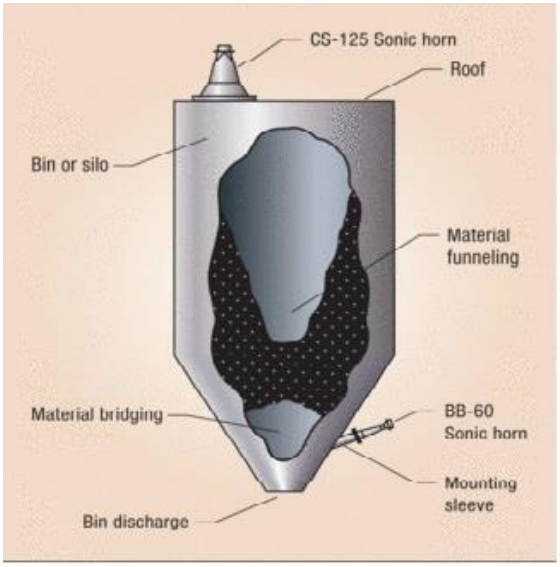
SONICHORN

ACOUSTIC CLEANER



blow.

De-Bonds Particulate Over a 360˚ Sweep



SAFE, RESUABLE SYSTEM

Sonic horn is a compressed-air driven acoustic cleaner that produces low frequency, high energy sound waves.

Sound waves are produced by compressed air by flexing a titanium diaphragm in the horn's sound generator. The sound waves are then magnified as they are emitted through the horn's bell and travel at >1,100 ft/sec in a 360˚ radial pattern.

EFFECTIVE AROUND PIPES & BEHIND OBSTACLES

The sonic energy de-bonds particulate over a 360˚ sweep, cleaning areas generally inaccessible with other devices.

Sonic Horn is placed in the vessel at strategic locations, and then air pressure and volume are controlled remotely from outside the vessel. Alternative sound waves, repeating 60-420 times per second, produce a range of fundamental frequencies that cause dry particulate deposits to resonate and become fluidized. Once fluidized, gravity causes the material to flow freely to the discharge.

DOES NOT CREATE STRUCTURAL FATIGUE OR DAMAGE

Because Sonic Horn operate at frequencies higher than the resonance frequency of steel, ceramic linings, concrete, etc., they do not cause vibrational damage to the vessel or surrounding structure. Sonic Horn is suitable for explosive environments and have been used in vessel cleaning, precipitators, heat exchangers and filters.

Sonic Horn gets the job done.

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