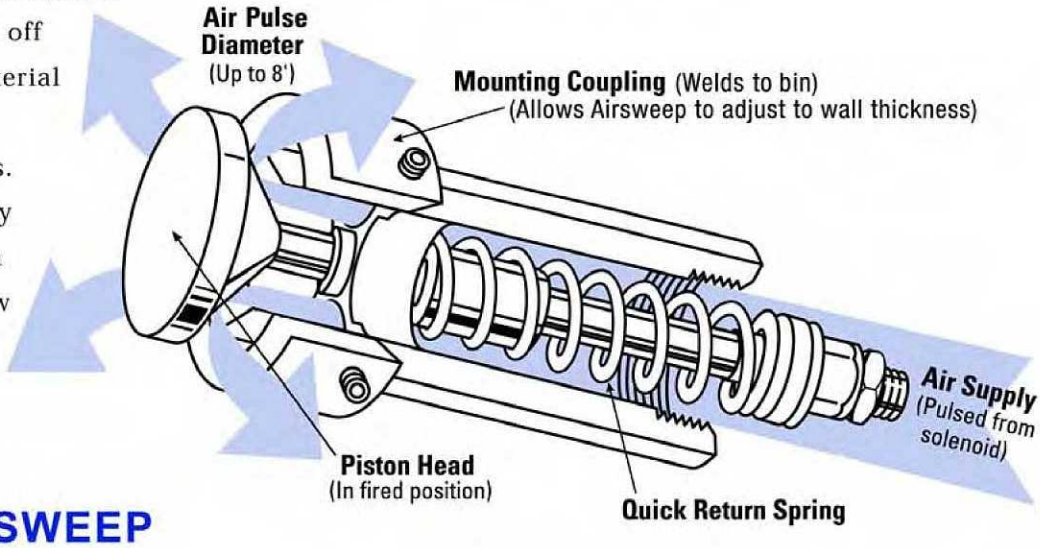
Why AIRSWEEP Works

Powerful pulses of air are directed between the material and the container wall to sweep and lift material off sloping surfaces. Loosened material falls toward outlet, initiating downward flow of bin contents. Sequenced firing of strategically positioned Airsweeps maintain positive and controlled outflow with minimum expenditure of air.

AIRSWEEP Cutaway View

(DESIGN AWARDED U.S. PATENT 6,237,893)



Where to Use AIRSWEEP

Metal, concrete, wood or fiberglass bins, hoppers, silos, chutes, batchers, conveyor transfer points, larry cars, screens, feeders, centrifuges – any place granular or fine material builds up or bridges. Starts and maintains flow of moist, dense or entangled materials. Installs from outside. Easily retrofits to any application. Airsweeps can operate in temperatures above 900°F.

Left: Model VA-51 Airsweep shown with bolt-on mounting flange on sloped hopper wall.

Inset: VA-51 nozzle shown while firing inside hopper.

Why Use AIRSWEEP

Cost and energy efficient. Uses plant air. The average system uses less than 10 CFM – significantly less than air pads, blasters, rubber disk/jet fluidizers, lances or pneumatic vibrators. There is no damage, vibration, stress or wear to container walls. Easy installation. No need to empty bin or stop production. Airsweep eliminates labor-intensive, costly rodding, hammering, air lancing and shutdowns for bin clean out.

Why AIRSWEEP Lasts

Only one moving part, the piston, features a dust-tight nozzle that quickly recloses and reseals after firing. Fines and feedback materials are locked out, eliminating clogging and jamming. For added strength and wear resistance, Airsweep parts are machined from blocks of high grade steel. Strict quality control ensures reliable, trouble-free performance.

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