

# AIRSWEEP<sup>®</sup>MAX

## MATERIAL ACTIVATION SYSTEMS

### THE PROVEN, GLOBALLY PATENTED SOLUTION FOR TOUGH MATERIAL FLOW PROBLEMS

Eliminates and prevents  
ratholes, bridging, and  
sticky buildup

Ensures on-demand product  
flow of the toughest powder  
and bulk materials



**Boosted  
Efficiency**

20 patented  
improvements

Aerospace-grade  
design specs

6 proprietary  
parts

## MORE POWER PER PULSE

AirSweep MAX delivers up to 52% more output pressure and 31% more air output than the original AirSweep.\* Get reliable, cost-efficient material flow.

- **HIGHER PRODUCTIVITY:** Increase the speed of material flow.
- **MORE SAVINGS:** Lower the operating pressure to get the same flow with less energy and plant air.
- **MORE ACCESSIBILITY:** AirSweep MAX can run at lower standard operating ranges of 60 to 100 PSI (4.1 to 6.9 Bar pressure), making it more accessible to plants with air supply constraints.

\*Results were obtained from comprehensive force and flow testing at 60 to 100 PSI (4.14 to 6.90 Bar), using industry-standard diaphragm valves.

# INSTANTLY ACTIVATES BULK MATERIAL



UP TO 8-FOOT DIAMETER

BURSTS OF COMPRESSED AIR OR GAS!

- Easily mounted and maintained from vessel exterior
- Cost and energy efficient — typical system uses as little as 10 CFM of plant air
- Easily installs on metal, concrete, wood or fiberglass silos, bins, hoppers, chutes — any place where materials can hang up in a process

**Prevent and eliminate hang-ups and blockages in your silos, bins, hoppers, and chutes** with coordinated, 360-degree bursts of compressed air/gas. Each pulse activates up to 6 to 8 feet (1.83 to 2.44 meters) of material without vibration or stress to the vessel.

**Activate bulk material with a first-in, first-out controlled flow** with sequenced pulsing of strategically-positioned AirSweep units.

**Installed and maintained from outside the bin,** each AirSweep can easily be retrofitted for any application—even those that reach temperatures up to 900°F (482°C).

**Enjoy virtually maintenance-free performance.** The patented valve design utilizes only one moving part, ensuring an immediate reseal after each pulse, to prevent material feedback.



**Models and mounting available in many sizes and materials of construction to fit any application.**

**MODELS:**

- **VA-12-MAX (1-1/2")** – For medium-sized vessels and chutes
- **VA-51-MAX (1-1/2")** – For large vessels and chutes
- **VA-12-MAX-316-TRI-TRI** – For applications requiring easy installation and removal

**STANDARD MATERIALS OF CONSTRUCTION INCLUDE:**

- Carbon Steel
  - 304 Stainless Steel
  - 316 Stainless Steel
- Other materials available upon request.



# TYPICAL AIRSWEEP® SYSTEM

Strategically-located AirSweeps pulse in a programmed sequence to start and keep tough materials flowing.

