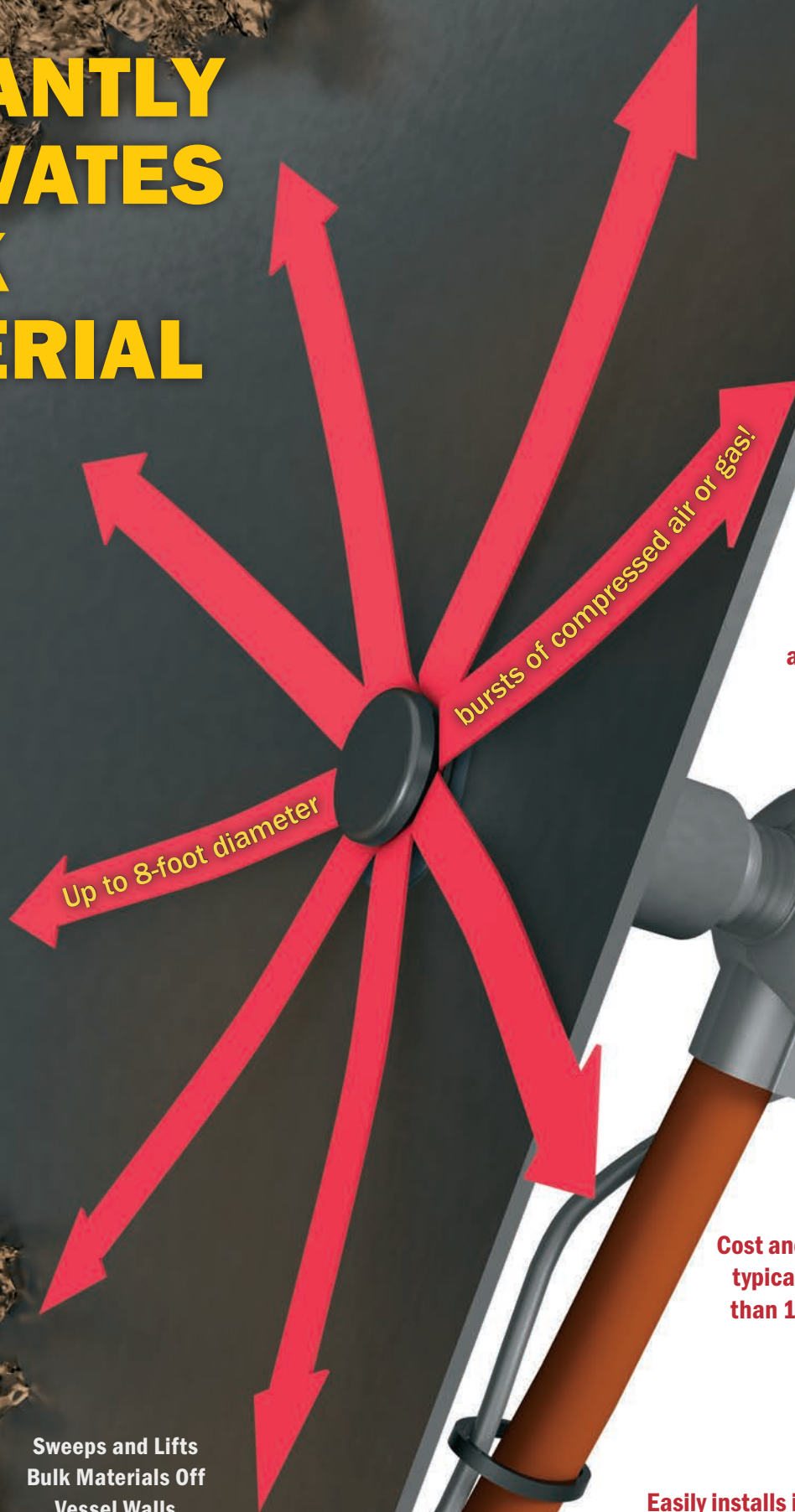




- **Ratholes**
- **Bridging**
- **Sticky Buildup**

Easily installed & maintained from vessel exterior

INSTANTLY ACTIVATES BULK MATERIAL



bursts of compressed air or gas!

Easily mounted
and maintained from
vessel exterior

Up to 8-foot diameter

Cost and energy efficient—
typical system uses less
than 15 CFM of plant air

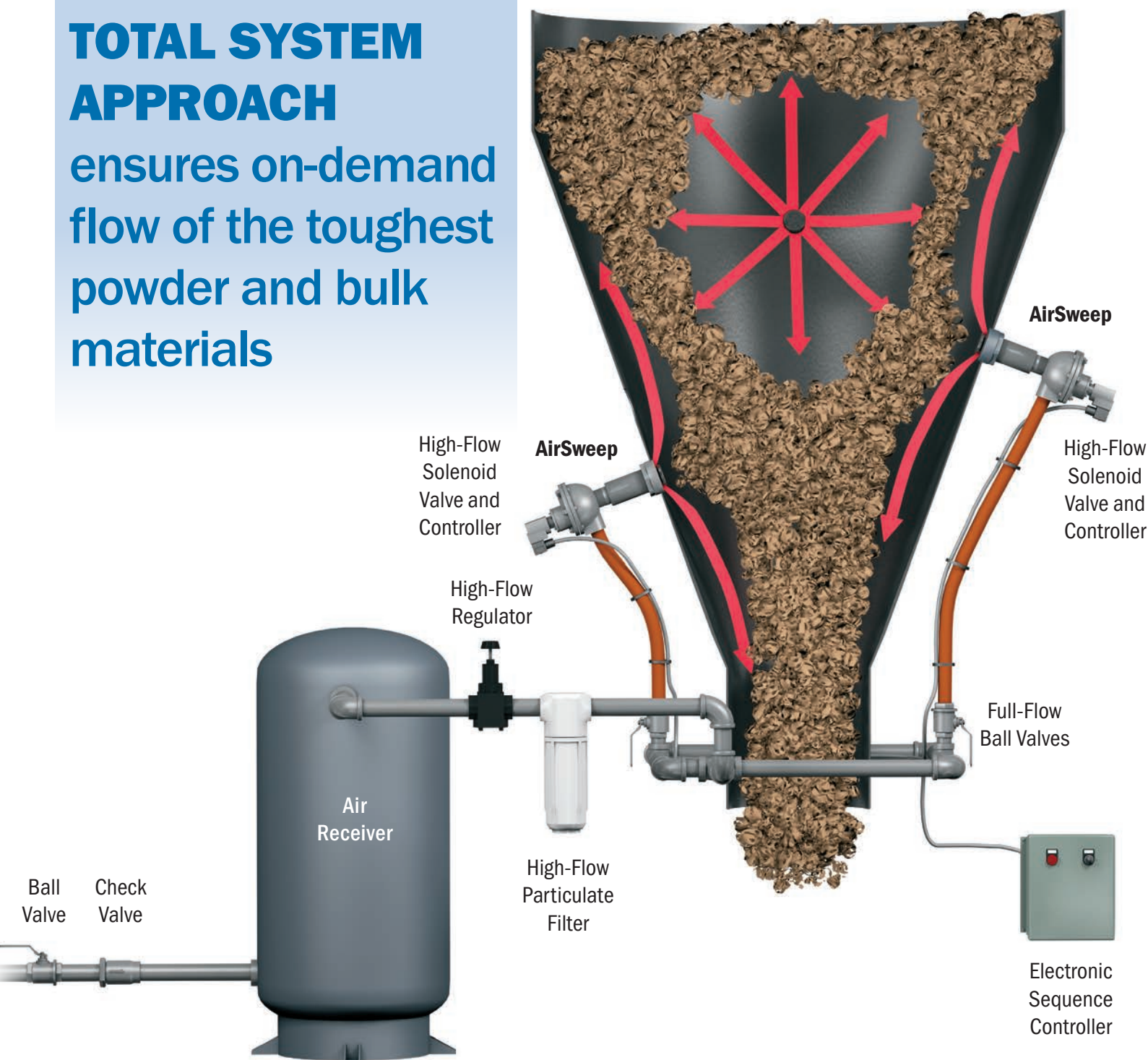
Sweeps and Lifts
Bulk Materials Off
Vessel Walls

Easily installs in metal, concrete,
wood or fiberglass silos, bins,
hoppers, chutes—any place where
materials can hang up in a process

TOTAL SYSTEM APPROACH

ensures on-demand flow of the toughest powder and bulk materials

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



FOOD

Animal Feeds
Brewers Grain
Brine (dust)
Chocolate
Cocoa
Coffee
Feed
Flour
Grains
Hops
Meal
Oat Hulls
Peanuts

Rice Bran

Salts
Soybean Hulls
Starch
Sugar
Tankage
Tea

MINED

Aluminum
Barite
Bentonite
Borax
Copper

Coal (coke, mine, runstilt, pulverized)
Diatomaceous Earth
Gypsum
Iron Ore
Kaolin
Lead
Lignite
Limestone
Magnetite
Phosphate
Shale
Soda Ash
Taconite

Trona
Uranium

CHEMICALS

Adipic Acid
Ag Limestone
Aluminum Chloride
Boric Acid
Calcine
Calcium Carbonate
Herbicides
Hydrated Lime
Iron Oxide
Lead Chromate

Moly Disulfite
Polyacrilimide
Sodium Sulfite
Titanium Dioxide
Zinc (acetate, chromate, oxide)

OTHER

Acetate
Cements
Chalk
Cork
Detergents
Fertilizer

Fly Ash
Foundry Sand
Pharmaceuticals
Plastics
Resins
Sludge
Tobacco
Wax Flakes & Pellets

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 an 8' diameter 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 AirSweeps.

Installed and maintained from outside the bin, each AirSweep can easily be retrofitted for any application—even in temperatures up to 900° F.

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

