A Simple, Economical Flow Solution

TIME TESTED
This tool was introduced as the Ladco Materials Handling System more than fifty years ago. Now enhanced, it is sold as the AirForce Air Cannon, one of four bulk flow management tools manufactured by Pneumat.

EFFECTIVE POWER
The AirForce System is a permanent, automatic solution to persistent hang-ups in the bulk material production line. Regular blasts of safe, compressed air from AirForce Cannons cut down on material build-up, reduce hands-on work, and minimize day-to-day problems.

SIMPLE, MINIMAL PARTS DESIGN & MAINTENANCE
The AirForce Air Cannon’s simple, durable construction makes it effective and easy to maintain. Four-bolt shooting valve design provides easy access to the Cannon’s two moving parts, and makes maintenance in place easy. Industry standard A.S.M.E. pipe flange fittings make installation easy on wood, metal and concrete structures.

VARIETY OF SIZES, APPLICATIONS
Air blasting is used successfully in hundreds of industrial and commercial applications. AirForce Air Cannons resist corrosion, perform well in harsh environments, and can be retrofitted for high performance in varied temperatures. They are available in a variety of configurations, pressures, and sizes for versatile installation and product applications.

It’s too expensive not to fix the problem.
When coal compacts above the feeder in a power plant, a well-placed Air Cannon will solve the problem.

Air Cannons keep gypsum flowing in sheetrock production, eliminating hours of manual labor.

Dangerous, non-productive down-time is reduced in this coking facility when Air Cannons eliminate the need for manual unplugging of coal.

Plugging is virtually eliminated and full-capacity use of stacking is possible for a coal production facility when Air Cannons are installed.

Coal can easily hang up in a power plant's storage bin cones. Installation of even one Air Cannon can stop the sticking.

Hardened and non-flowing DDGs in hopper railcars and trucks are emptied with a powerful blast of compressed air—all with the remote controlled HopperPopper.

Air Force Tailored to Unique Applications

**PLUGGING**

If the product will not flow due to plugging at the opening of the bin, AirForce will blow out the plug and release the material.

**BRIDGING**

When material is broken but bridges above the vessel opening, AirForce will make the material flow. If plugging occurs at the opening, repeated firing will remove the plug.

**RATHOLING**

When material flows from the bin at reduced capacity because of a rat hole through the product, AirForce Air Cannons will undercut and remove dead material.

**BUILD-UP**

When material flows but clings and hangs up on the sides of the bin, AirForce Air Cannons heave the material away from the walls, clean them and re-store the vessel to full capacity.

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**SHELL DIMENSIONS AND CAPACITIES**

<table>
<thead>
<tr>
<th>SHELL</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>O.D.</th>
<th>VOL.</th>
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<tbody>
<tr>
<td>HV-154</td>
<td>32&quot;</td>
<td>44&quot;</td>
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<td>46&quot;</td>
<td>25.5&quot;</td>
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<td>HV-1104</td>
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<td>47.5&quot;</td>
<td>24&quot;</td>
<td>11.0 ft³ (311 liters)</td>
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A High With AirForce there is no need to take down and disassemble the entire assembly just to do a little maintenance. Do it in place with simple tools.
Pneumat Products & Services

An Arsenal of Professional Tools

BinWhip
Powered by hydraulics, the BinWhip is efficient, powerful and easy to control. Its cleaning heads deliver tremendous power, yet are safe and won’t damage vessel walls. BinWhip eliminates the need for dangerous, confined space entry by employees because it is used from the top of the vessel. It breaks down for easy transport from bin to bin, and its hydraulic Power Unit requires only a 440 Volt 3-phase electrical hook-up to operate.

BinDrill
BinDrill is the safe, effective way to break through bridged material in a bulk storage vessel. It is operated from the top of the vessel to maximize safety. Hydraulics give it the power to work through rock-hard materials.

AirForce Air Cannon System
The AirForce System is a permanent, automatic solution to persistent hang-ups in the bulk material production line. Regular blasts of safe, compressed air from AirForce Cannons cut down on material build-up, reduce hands-on work, and minimize day-to-day problems.

Cardox Blasting System
Our bulk material breaking system uses the power of rapidly expanding carbon dioxide to break stubborn, compacted material safely and quickly.

TeamPneumat/Enviro-Cor Silo Cleaning Services

A PROFESSIONAL TEAM
When the real costs of a built-up, ratholed, bridged or plugged silo are calculated, TeamPneumat’s professional services emerge as the smart alternative. Our team gets the job done the first time, with the best tools available.

UNMATCHED SAFETY
Pneumat Systems has never had a safety violation. We exist to make bulk material maintenance less dangerous, and we succeed. Call us for help and we hit the road, ready to provide expertise that gets production back on track, fast.

Make the call & forget about the problem
- Quick response
- Highly-trained personnel
- Safety first
- Proprietary, all-hydraulic tools
- Equipment designed, used & perfected by TeamPneumat
- Self sufficient crews, well-equipped
- Only a 3-phase electrical source supplied by customer
- Efficient service delivery
- Customer may participate as desired
- On the job until it’s finished
- No hidden costs

Every piece of Pneumat equipment comes with complete on-site training and a full one-year warranty.