



blast.

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.



air blasting system



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.



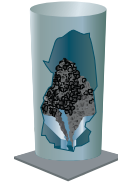
Hardened and non-flowing DDGs in hopper railcars and trucks are emptied with a powerful blast of compressed air—all with the remote controlled HopperPopper

AirForce Tailored to Unique Applications



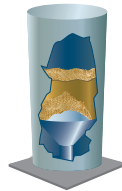
PLUGGING

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.



RATHOLING

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



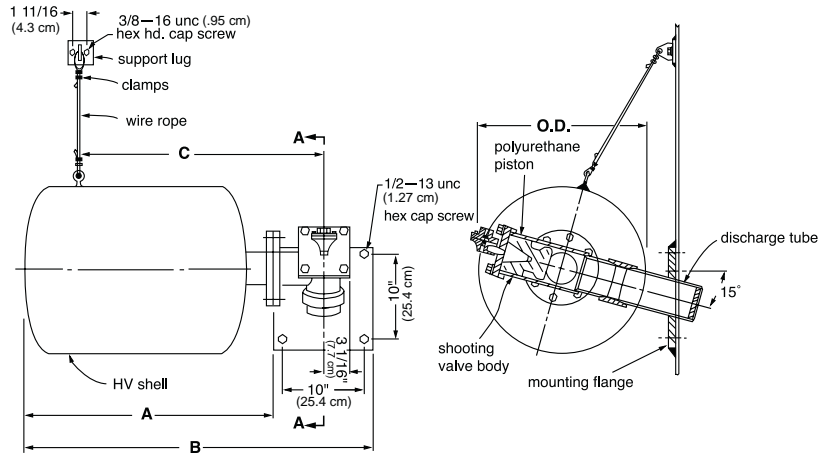
BRIDGING

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.



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.



SHELL DIMENSIONS AND CAPACITIES

SHELL	A	B	C	O.D.	VOL.
HV-154	32" (81 cm)	44" (112 cm)	30.5" (77 cm)	12" (30.5 cm)	1.5 ft ³ (42 liters)
HV-304	37" (94 cm)	45" (114 cm)	32.3" (83 cm)	14" (35.5 cm)	3.0 ft ³ (85 liters)
HV-504	34" (86 cm)	46" (117 cm)	30.5" (77 cm)	20" (51 cm)	5.0 ft ³ (142 liters)
HV-654	34" (86 cm)	46" (117 cm)	25.5" (65 cm)	24" (61 cm)	6.5 ft ³ (184 liters)
HV-1104	52" (132 cm)	64" (163 cm)	47.5" (121 cm)	24" (61 cm)	11.0 ft ³ (311 liters)

Air Receiver

ASME Certified and Stamped
Powder Coated Exterior and
Interior for long life.

Standard Flange Mount

All mounting flanges are standard
flange mount for universal installation.

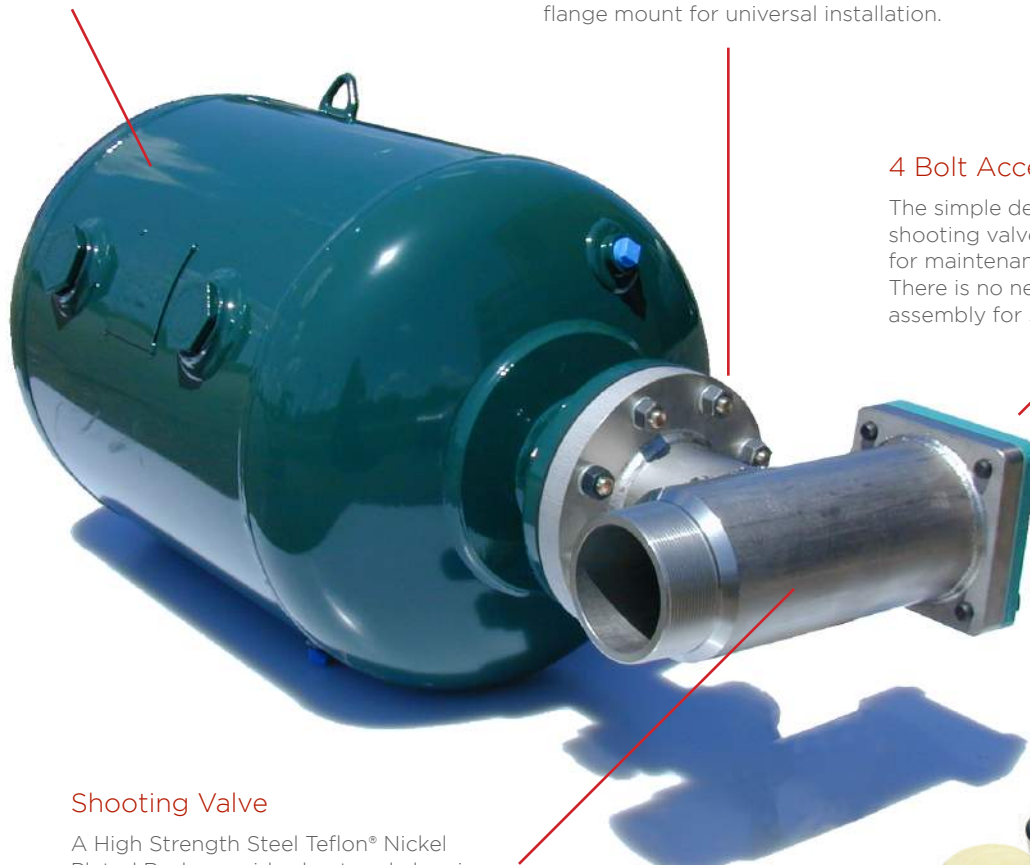
Simple Design
Easy Maintenance
Long Life

4 Bolt Access

The simple design of the AirForce
shooting valve provides easy access
for maintenance with just one wrench.
There is no need to tear down the whole
assembly for simple repairs.

High Strength Pistons

Are available in
Polyurethane for low
temperature applications
and aluminum for high
temperature. Both are
constructed to handle the
constant abuse of
repeated firings.



Shooting Valve

A High Strength Steel Teflon® Nickel
Plated Body provides heat and abrasion
resistance even in the harshest environments.



Easy 4-Step Maintenance



1.
Remove three
bolts and loosen
the fourth.



3.
Remove piston and
o-ring for inspection.
Replace if needed.



2.
Swing back plate
out of the way to
access the piston.



4.
Replace bolts and
retighten. That's all
there is to it.

A HighWith 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.

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

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



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