





Vortex Air Blaster is a revolutionary and reliable air cannon system which is a cost-effective solution for removing material build up and blockages occuring in silos, hoppers, kilns preheater, cyclones, kilns and other industrial machinery.

Vortex Air Blaster systems are available for use in the most demanding high and low temperature applications and environments in the cement, steel, power stations, chemical, incinerators, fertilizer, and any other industries with powdery and granular storage with potential material flow problem.

Vortex Air Blaster is a patent pending air blaster / air cannon currently available in three (3) models: DN 50 (V2), DN 100 (V4) and DN 150 (V6) respectively, for both high temperature and low temperature applications.





Features and Benefits:

- > Ex ernal T-shape Valve for easy inspection
- > Can etrofit any existing air blaster / air cannon
- > Me al to metal construction for added durability
- > Mo e powerful thanks to a unique "venturi effect" exhaust design
- > obust cast iron design for reliability and durability
- > Can pe form at a minimum 4 bar operating pressure (Recommended operating pressure of 5 to 7 bar or 75 to IOO PSI)
- > Galvani ed tank (inside and outside) with polyurethane black paint
- > P ovision for isolation valve, drainage valve, and/or pressure gauge for even safer operation
- > Wide range and vailability of parts and accessories





Page 1





Why Use Air Cannons?

The Vortex Blastair is a de-clogging equipment used in High temperature environment (kiln inlet, cyclones, riser duct, cooler...etc) and is permanently installed on silos, bins and hopper walls for all powdery forms of materials, thus preventing caking and allowing maximization of storage capacity.

The Vortex Blastair does not require any specific air supply, available plant air is sufficient with a minimum 4 bars air pressure (5 to 6 bars for better results) with moderate air consumption.

The compressed air contained in the pressure vessel is instantly released, and the achieved blast, called the "impact force" evacuates material sticking to the walls (rat holing), as well as breaking potential bridging thanks to the shock wave obtained. Blasts are usually organized by using an automatic sequencer.

We guarantee the VORTEX BLASTAIR for TWO (2) YEARS covering not only the moving parts but also any part of the unit showing manufacturing defect. The remainder accessories are guaranteed for one year.

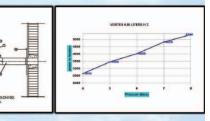
The vessels are protected by galvanization inside and outside, plus two coats of black paint on the outside.

HIGH TEMPERATURE APPLICATION

Pneumatic build-up removal for high temperature applications occuring in:

- Kiln inlets
- Riser ducts
- Cyclones
- Feeding chutes
- Coolers, etc.



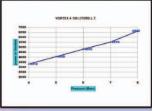


LOW TEMPERATURE APPLICATION

Pneumatic build-up removal for low temperature applications occuring in:

- Silos
- Hoppers
- Any storage facility with powdery and granular material, etc.





Page 2



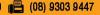




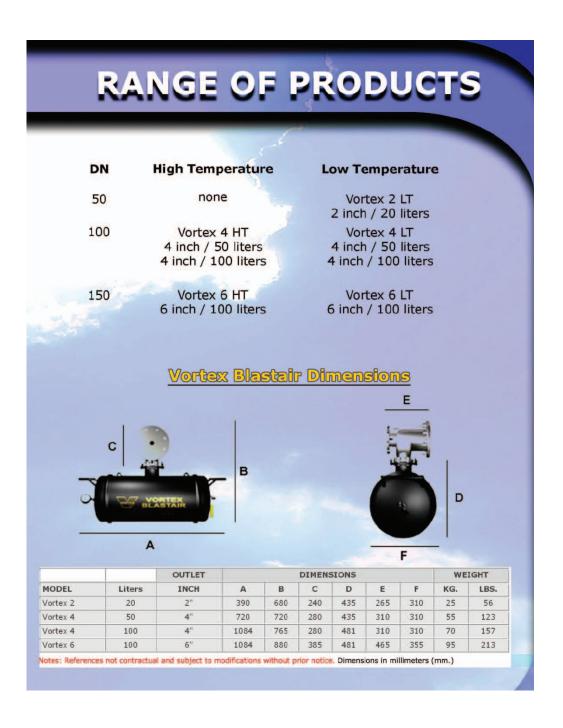
Page 3











Page 4







Page 5

