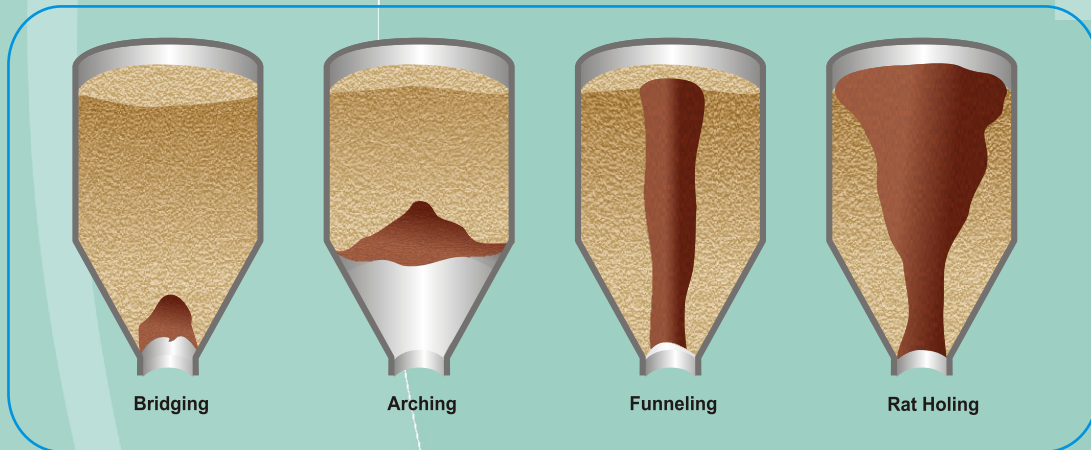


KAVERI AIR BLASTER SYSTEM is used as flow promoting aid in bulk solids handling. Air Blasters have proven most successful when compared with other flow promoting devices, especially in high temperature Zone

### PROBLEMS OF BULK MATERIALS IN STORAGE EQUIPMENT



### FUNDAMENTAL PRINCIPLE

KAVERI AIR BLASTER consists of an air Vessel in which compressed Air at 6-8 kg/cm<sup>2</sup> pressure is stored. This full quantity of Air at this pressure is released in a fraction of second resulting in a blast, which when directed at the problematic critical zone through special nozzles, achieves the dislodging of bulk solid build-up and promotes flow.

The unique feature of KAVERI AIR BLASTER design is that the light weight all aluminum piston assembly is concealed inside the vessel and fully protected. Hence there is no chance of any damage, while at the same time the entire assembly is approachable for inspection / servicing without dismantling the AIR BLASTER.



### SALIENT FEATURES

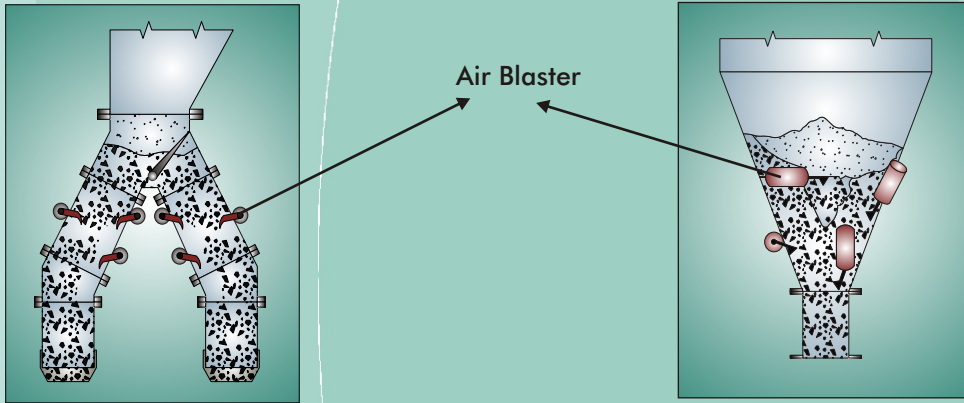
- Spring loaded lightweight all aluminum piston
- Air Blaster mountable at any position (Horizontal / Vertical / Inclined)
- Air Vessel inlet and outlet at opposite ends for efficient operation and easy maintenance
- Blasting at Pre-Fixed intervals (AUTO / MANUAL / Plant PLC)
- Suitable for high temperature material in excess of 1100°C
- 50-650 Liters Capacity for Wide Application Range

### APPLICATION

Bunker  
Chute  
Cooler  
Hopper  
Kiln inlet/outlet  
Pre Heater  
Silo

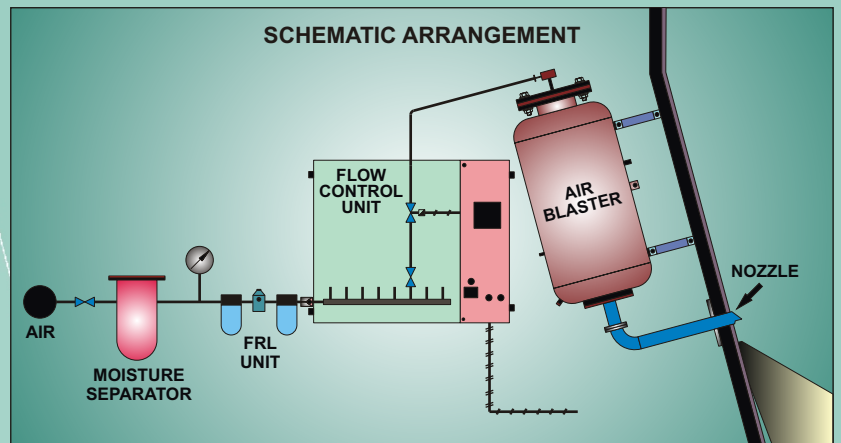
## ENGINEERING

Based on analysis of equipment, material and operational requirements, suitable Air Blaster System with appropriate exhaust nozzles are designed and installed for efficient material flow



## OPERATION

Compressed air is fed through an air train consisting of moisture separator, filter, regulator, lubricator to the Flow Control Unit (FCU). The micro processor based sequential logic controlled (FCU) operates the individual Air Blaster in cyclic pattern. Optionally the FCU can be connected to plant PLC for blasting automation.



## MATERIAL HANDLED

Bauxite	Gypsum
Chemical	Iron Ore
Clay	Lignite
Clinker	Limestone
Coal / Coal Fines	Pozzolona
Copper	Sand
Fertilizers	Zinc

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