

AIRBRATORS

Powder and pellet products compact inside hoppers, silos and other containers causing bridging or arching that obstruct the container's discharge opening.

Airbrators have a unique design that introduces air only where needed to aid in product flow without over fluidizing the material.



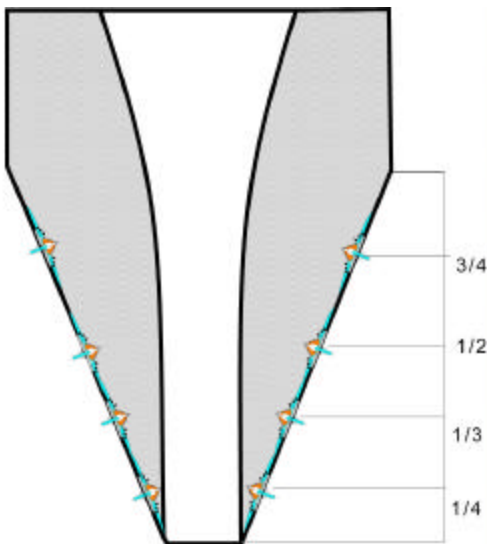
How it works

Compressed air is introduced by the Airbrator into the container in a round pattern generating a thin layer of air between the bin wall and the product.

Due to this air cushion, product friction against the wall is drastically reduced thus causing material to fall much easier. In addition to being a fluidizer, airbrators act like a flow aid device

The white polymer cone is shaken by the compressed air generating a light vibration helping evacuate the material.

When the nozzle is totally immersed in the product and not operating, product weight and the elasticity of the plastic cone keep the device against the wall preventing any product from entering the air line.



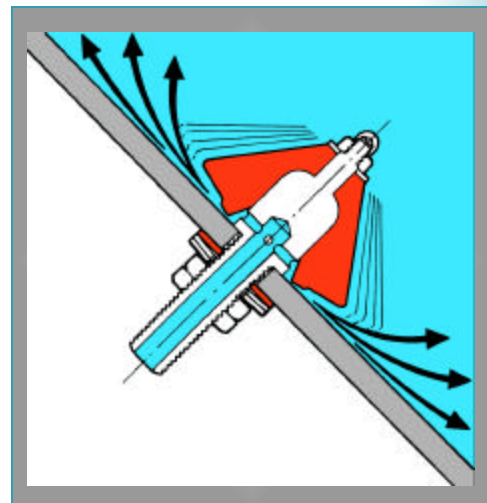
Features

Outstanding fluidization of the bin walls.

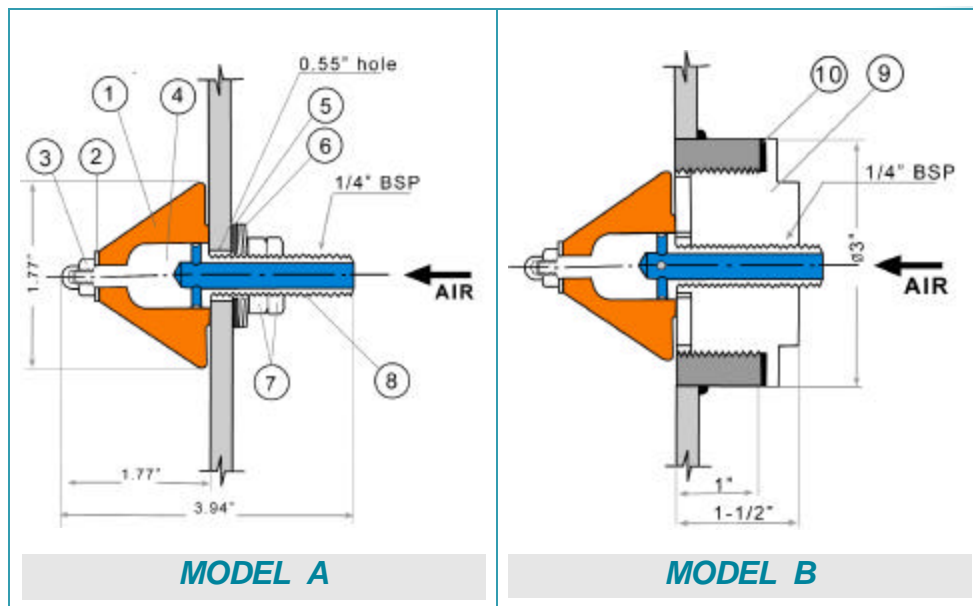
Functions even with the presence of moisture in the air supply.

Ease of installation

Can be installed both from the inside with model "A" or from the outside with model "B"



1. Vibrating cone
2. Washer (Stainless Steel)
3. Cap Nut (Stainless Steel)
4. Injector core
5. Gasket
6. Pressure Washer
7. Nut and Locknut
8. Air inlet fitting
9. Hub
10. Gasket



Installation

Airbrators are to be installed close to the hopper discharge.

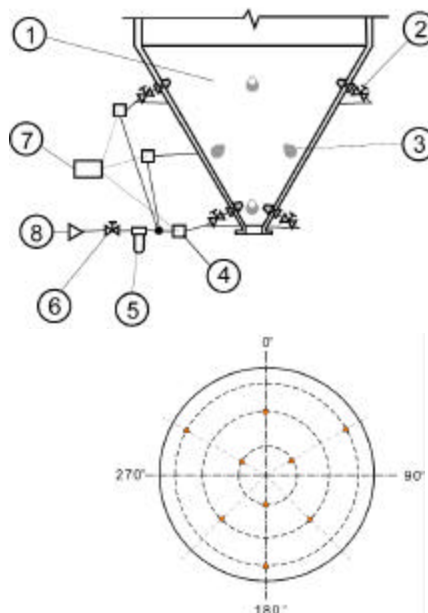
The proper position is in progressive rings of 3 or 4 nozzles along the cone

$\frac{1}{4}$, $\frac{1}{3}$ and $\frac{1}{2}$ from the valve.

The quantity of the nozzles to be used is dependent from the product and the physical size of the container

Recommended operating pressure ranges between 30 and 60 PSI but can be used up to 90 PSI if needed.

To achieve best fluidizing results the air supply should be intermittent rather than continuous. Nozzles should be used only when the bin discharge valve is open.



1. Hopper
2. Ball Valve
3. Airbrator
4. Solenoid 3/4"
5. Air Filter
6. Air Regulator
7. Timer
8. Air supply

APPLICATIONS

Airbrators excel with many difficult products like the bentonite, ash, flour, cement, feldspar, soda, kaolin, aluminum and titanium dioxide.



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