

Model DA

Disc Aerator

Fluidizes Powders with Air & Vibration!

Round Disc Aerator, Easy to Install and Highly Effective
Enables Proper Level Measurement and Control



The Next Level

Principal of Operation

When powders are conveyed into a bin or other type of vessel most often the material is pneumatically conveyed. As the material enters the bin it is a "blend" of air and particulate. The particulate settles and the air escapes. While some materials and bins flow freely, others require assistance. The disc aerator loosens up the material by reintroducing air and generating vibration. Varying the air pressure effects air flow and frequency of vibration. Therefore the resultant aeration can be tailored to the material and bin. BlueLevel Technologies now offers this disc aerator to help free material and aid good bin cleanout. The lip of the disc seals against the bin wall. Positive air pressure forces air under the lip, inducing vibration, and blows material loose. The particulate and air "blend" is recreated. The silicone disc wears exceptionally well, does not absorb moisture, and can replace rectangular pad aerators already in place. An externally assembled mounting plate is offered to accomplish this interchange.

Application and Use

The disc aerator requires a compressed air system that supplies clean, dry, oil-free air. Regenerative blowers do not develop enough pressure. The effective range of each disc aerator is approximately a 10-12 inch radius. Mounting can be from inside or outside of the bin. Refer to our Installation, Operation and Maintenance booklet for complete details.

Standard Models Available

- Blue, Silicone 4" Dia., Steel Stem & Hardware
- External Mounting Kit Accessory, Rectangular Cutout (steel hardware, neoprene gasket)

Technical Data Summary

Disc:

Material	Blue Silicone Rubber
Size	Nominal 4" Diameter
Operating Temp	-60° F to +350° F (-50° C to +175° C)

Stem:

Material	Zinc Plated Steel
Port Size	1/4" NPT Internal Thread 1/2" NPT External Thread

Air Supply:

10-20 CFM at 20-30 PSIG Typical, of clean, dry, oil-free air

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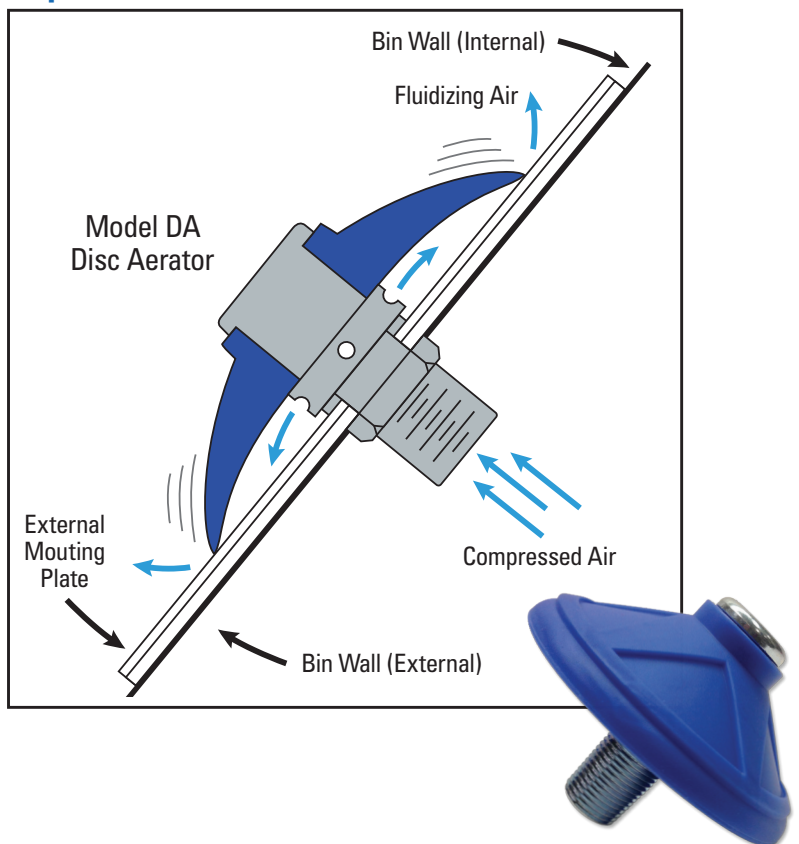
- ✓ Highly effective aeration fluidizes powders
- ✓ Air flow PLUS vibration yield clean bin walls
- ✓ External mounting kit available
- ✓ 4" diameter disc - industry standard size
- ✓ You are protected - *Golden Parachute Support*

Ordering Information

Part Number Description

320001	Blue Silicone Rubber Disc, 4" Diameter
321000	External Mounting Plate Kit

Depiction of Model DA in Service



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