

TM**EVASSER****TM-MM-EV**

The Evasser bin aerator TM-MM-EV from Monitor Technologies is a device used to promote the flow of dry bulk powders from a storage vessel without the noise and damaging vibration caused by pneumatic or electric vibrators. The Evasser aerator is small, compact and capable of aerating many types of bulk powders and granular solids in bins, hoppers and silos. The Evasser can discharge air up to 80 psi (5.5 bar) to move settled materials. Once material is flowing the Evasser can be used to maintain flowability of material with a constant 2 to 5 psi (0.14 to 0.35 bar) supply of air.

Unlike other types of aerators that use cotton or canvas to diffuse the air, the Evasser is less likely to be bound or clogged due to moisture and can be more effective as it directs air flow to 'sweep' the bin wall. In addition, the Evasser is not as prone to back-flow of material as the standard neoprene boot expands to let the pressurized air out and contracts when the air is shut off blocking the air outlets from material backflow.

The Evasser bin aerator is available with a convenient external mounting plate.

This means that installation of the device can be done from outside of the bin making it ideal for use in replacing worn and plugged air pads. In addition, with no moving parts or filters to clean or replace the Evasser requires virtually no maintenance.

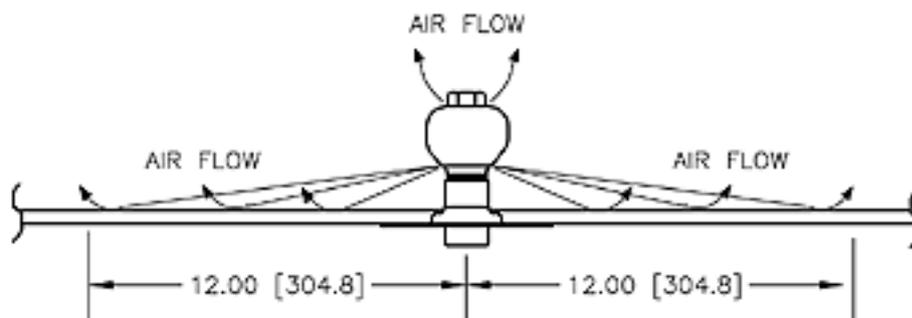
The single Evasser bin aerator operates by continuously introducing air into a mass of stored powder. When first conveyed into a storage vessel, the powder is a highly aerated mixture of air and particulate. In this state, the mixture flows quite easily. As the material settles, the particulate and air separate. The material decreases in volume and increases in density (it packs), and in turn it begins to behave like one solid mass rather than a fluid mixture of particles. The Evasser replaces the naturally lost air and increases and maintains the air-to-particulate mixture ratio, thus allowing the material to flow



The most effective aeration of dry bulk materials is typically achieved by the use of four rows of Evassers, one row located in each quadrant of the sloping bin bottom. With aerating dry powders the Evassers will normally be spaced 18in on centers, with the lowermost units located close to the outlet where most of the bridging starts. On granular materials the location of the Evassers will vary with the material being aerated and the configuration of the bin. In all cases, please consult with the Monitor application engineers that are ready to provide you with the best recommendation for your specific material flow problem.

Typical Applications include, but are not limited to:

Cement, Bentonite, Gypsum,
Soda, Ash, Lime, Flour,
Carbon, Black Fly Ash, Other



All specifications are subject to change without notice

TM**TECHMARK**

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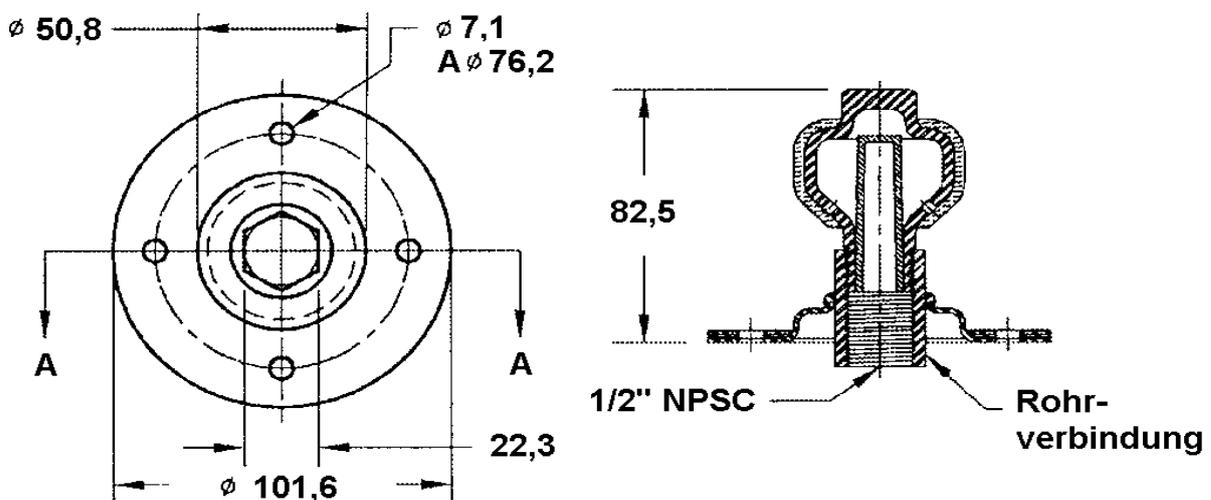
Specifications

Air Supply :	Continuous clean, dry air 3 to 5 psid (0.2 to 0.35 bar) (the difference between the air feed pressure and the internal vessel pressure)
Air Consumption:	Typically 3 psi (0.2bar) / 3 scfm (0.8m ³ /min)
Materials of Construction:	Body: Cast iron (Option 1, 1A, 3 and 3A) 316 stainless steel (Option 1SS, 1ASS, 3SS and 3ASS) Mounting Plate (optional): Mild steel (Option 3, 3A) 316 stainless steel (Option 3SS, 3ASS) Gasket (mounting plate): Cork (up to 175°F/80°C) for mild steel mounting plate White Nitrile (up to 175°F/80°C) for stainless steel mounting plate Boot (standard): Black Neoprene (up to 175°F/80°C) Boot (optional FDA): White Neoprene (up to 175°F/80°C) Sintered Metal Insert (optional): Bronze 90 micron (up to 900°F/480°C) or 40 (optional) micron filter for extra fine materials (up to 900°F/480°C)
Air Inlet Connection:	1/2" NPT coupling

Ordering Information

TM-MM-8-8009	Single boot without mounting plate with black Neopren, cast iron
TM-MM-8-8018	Single boot without mounting plate with black Neopren, 90 micron sinter, cast iron
TM-MM-8-8048	Single boot without mounting plate with black Neopren, 40 micron sinter, cast iron
TM-MM-8-8021	Single boot without mounting plate with white Neopren, Stainless steel
TM-MM-8-8011	Single boot with mounting plate with black Neopren, cast iron
TM-MM-8-8016	Single boot with mounting plate with black Neopren, 90 micron sinter, cast iron
TM-MM-8-8020	Single boot with mounting plate with white Neopren, stainless steel

Dimensions



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