



COUGAR
INDUSTRIES, INC.



BIN AERATOR MODEL RA

- ▶ Keep production running by promoting material flow naturally using aeration
- ▶ Heavy-duty construction withstands tough applications, like concrete batching plants
- ▶ Low cost, fiberglass or cotton diffused aerators resist clogging
- ▶ Easily installed from outside the bin using external mounting kit accessory

Cougar Industries has been the leader in flow-aids since 1964 helping industry promote and maintain flow of a wide range of powders and bulk solids. Our business is helping you get your material moving. With the Model RA bin aerator we promote the flow of dry powder materials from bins and silos using the proven principle of aeration. As the material in your bin settles, air escapes and the material packs and behaves as a solid mass. The Model RA is a heavy-duty aerator provided in the industry-standard rectangular size of 3-¾" x 7-½" and is used to introduce low pressure air into the material in the bin, thereby restoring its natural aerated state allowing the material to flow. In this manner bridging, ratholing and other material flow problems can be resolved.

APPLICATION

Aeration of powders in the cone sections of bins and silos provides best results with materials of 60 mesh size and smaller, and with 3% moisture content or less. The area of effective operation per aerator is approximately 20" diameter. The Model RA bin aerator works well to promote the flow of cement, flyash, lime, carbon black, flour, soda ash, diatomaceous earth, gypsum, soap powders, clay and many other materials.

SPECIFICATIONS

Air Supply:
Air Consumption:

Materials of Construction:

Body:
Diffuser:

Diffuser Screens:
Air Inlet Nipple/Nut:
Spacer Washers:
Washer/Gasket:
External Mount Kit:

Brackets/Lockwashers:
Gaskets:

MODELS AVAILABLE

PART#
230011

DESCRIPTION

Model RA rectangular bin aerator with cotton diffuser (includes hardware for internal bin mounting). This unit replaces competitors' items AD-C or 3-8511.

230012

Model RA rectangular bin aerator with fiberglass diffuser (includes hardware for internal bin mounting). This unit replaces competitors' items AD-C, AD-F, 3-8511 or 3-8512. The 230012 with fiberglass diffuser is recommended for materials or environments with moisture present as the diffuser material is more resistant to clogging in these applications.

ACCESSORIES

PART#
231000

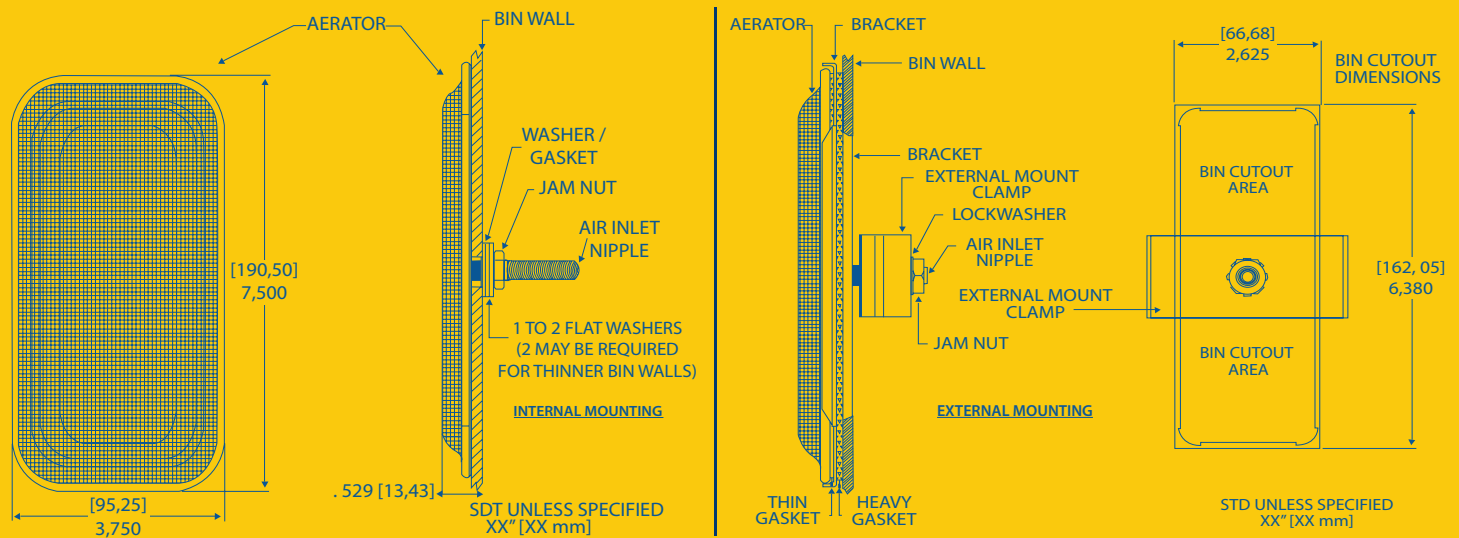
DESCRIPTION

External mounting kit for all Model RA rectangular bin aerators (uses internal mounting hardware supplied with aerator). This accessory replaces competitors' items AD-K and 3-8010.

Clean, dry air, 3-5 psi
4.2scfm @ 1psi (1.2m³/min @ 0.07bar)
5.7scfm @ 2psi (1.6m³/min @ 0.14bar)
6.5scfm @ 3psi (1.8m³/min @ 0.21bar)
7.1scfm @ 4psi (2.0m³/min @ 0.28bar)
7.6scfm @ 5psi (2.2m³/min @ 0.35bar)

Zinc-plated steel
Cotton (Up to 180°F/82°C) or
Fiberglass (Up to 650°F/343°C)
Zinc-plated steel
Brass
Zinc-plated steel
Buna-N (Up to 180°F/82°C)

Zinc-plated steel
Neoprene (Up to 180°F/82°C)



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PB-RA-001-0409