

Biscuit Processing

Stainless Steel Bin Activators BA



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Description ▼

The BA Bin Activator is a device of tapered conical shape that due to vibration facilitates material flow from hoppers or silos. It consists of a seamless stainless steel cone manufactured on a sheet metal lathe, a seamless food-grade SINT®AL engineering polymer seal with integrated upper and lower flange, suspensions for connection of the Bin Activator with the silo, as well as one or two electric vibrators.

Function ▼

One or two electric vibrators fitted on the unit generate vibration of the Bin Activator every time the feeding device beneath the silo is started for material extraction. During operation the Bin Activator describes a gyratory movement which is transmitted to the material inside the silo. The result is smooth material flow through the Bin Activator outlet into the connected feeder.

BA Bin Activators are used in various applications in biscuit (cookies) processing plants to facilitate discharging of powdery materials from silos or hoppers. The use of this equipment ensures optimum feeding of the material causing "mass flow" inside the silo, thus avoiding bridging or ratholing phenomena.



Application ▼

BA Bin Activators are usually fitted in large numbers under ground material storage silos or daily buffer silos/hoppers to discharge poorly flowing powders such as Flour, Starch, Powdered or Granulated Sugar. For such applications a stainless steel design is required (ATEX version available on demand).

The Bin Activator outlet is usually shut off by a slide valve or butterfly valve which is connected via flexible connection to a mechanical conveying device or loading bellows.

Benefits ▼

- ✓ No material residue;
- ✓ No material contamination;
- ✓ High discharging performance;
- ✓ Reduced maintenance;
- ✓ Operator safety according to ATEX directive.

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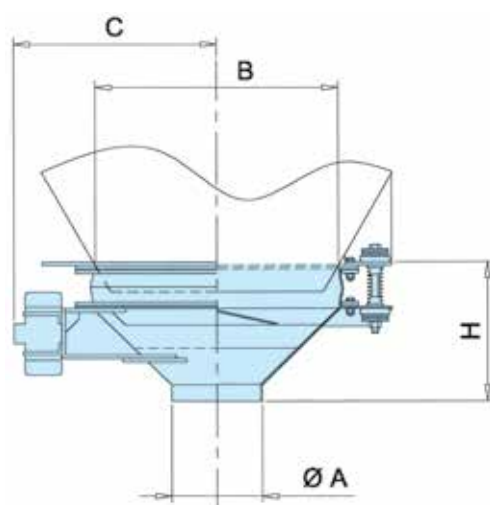
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Technical Features / Performance ▼

- ▶ Diameters up to 2100mm
- ▶ Food-grade design (stainless steel)
- ▶ FDA-approved seal
- ▶ No internal dead spaces
- ▶ Highly accurate internal finishing
- ▶ ATEX-compliant

Overall Dimensions ▼



TYPE	Size	Ø A STD	B	C	H	Motors	kg
BA040	400	114	380	427	330	1	47
BA060	600	168	580	519	408	1	66
BA075	750	219	730	609	456	1	82
BA090	900	219	880	684	531	1	114
BA100	1,000	273	980	734	555	1	125
BA125	1,250	273	1,230	937	730	1	221 (4) / 225 (8)
BA150	1,500	323	1,480	1,120	774	1	376 (8) / 385 (12)
BA180	1,800	323	1,780	1,194	924	2	610 (8) / 620 (12)
BA210	2,100	406	2,080	1,420	1,033	2	674 (12) / 687 (18)

Dimensions in mm