

DryMix Processing

Bin Activator BA and BAEX



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Description ▼

The BA Bin Activator is a device of conical shape that, due to vibration, facilitates material flow from hoppers or silos. It consists of a seamless carbon steel cone manufactured on a sheet metal lathe, a seamless SINT® 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 to the unit generate vibration of the Bin Activator every time the feeding device beneath the silo is started for material discharge. 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.

The use of this equipment ensures optimum feeding of the material causing "mass flow" inside the silo, thus avoiding bridging or rat holing phenomena.



Applications ▼

Discharging of a variety of powders

Usually fitted in large numbers under material storage silos or daily buffer silos/hoppers to discharge poorly flowing powders such as additives.

The Bin Activator outlet is usually shut off by a slide valve or butterfly valve which is connected with a mechanical feeding device or loading bellows.

Benefits ▼

- ✓ **High discharging performance;**
- ✓ **No waste material thanks to special seal design;**
- ✓ **Reduced maintenance thanks to long-life seal material.**

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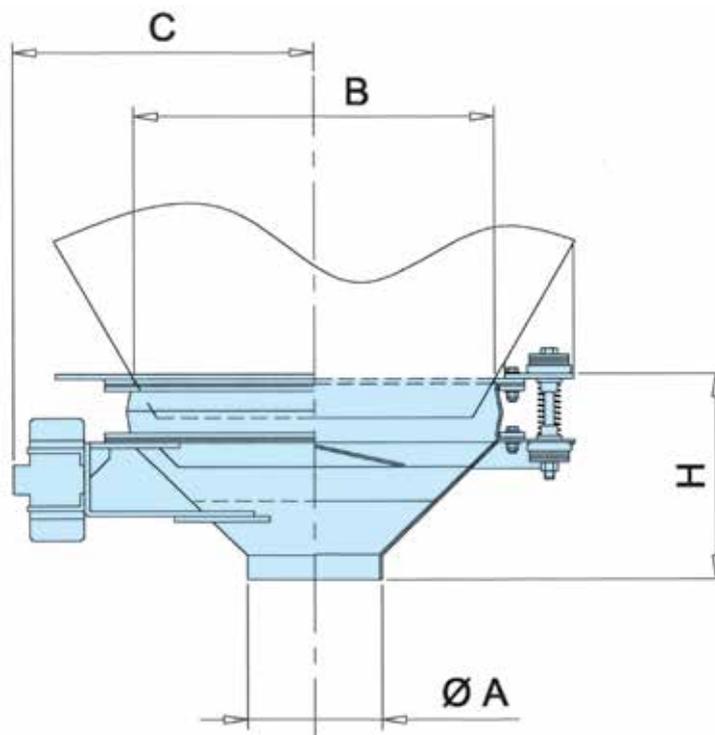
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Technical Features / Performance ▼

- ▶ Diameters up to 3,000mm
- ▶ 304L SS available for additives
- ▶ Strong seamless seal
- ▶ No internal residue nests
- ▶ Smooth internal finishing
- ▶ ATEX-compliant

Overall Dimensions ▼



TYPE	Size	Ø A* Standard	B	C	H	Vibrators	kg
BA040	400	114	380	427	330	1	59
BA060	600	168	580	519	408	1	80
BA075	750	219	730	609	456	1	99
BA090	900	219	880	684	531	1	134
BA100	1,000	273	980	734	555	1	146
BA125	1,250	273	1,230	937	730	1	290
BA150	1,500	323	1,480	1,120	774	1	475
BA180	1,800	323	1,780	1,194	924	2	726
BA210	2,100	406	2,080	1,420	1,033	2	881
BA235	2,350	406	2,330	1,547	1,166	2	1,255

(*) Further outlet dimensions reported in Technical Catalogue

Dimensions in mm

This datasheet might not show the complete range but only the models specialised for the application.