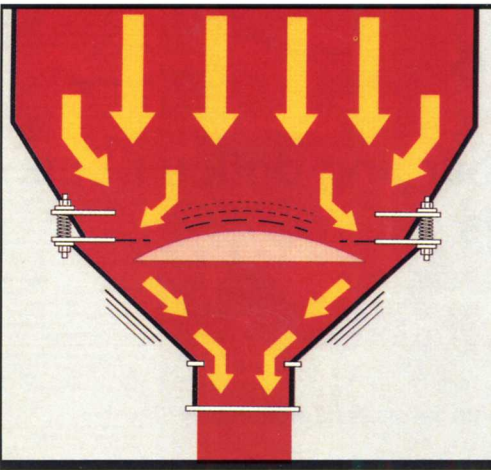


# Brabender Technologie

## Bin Activator



### DESIGN

The Brabender Bin Activator Type BAV 04 is a vibratory discharge aid which ensures the constant flow of bulk solids. Its superior design makes it suitable for ingredients with poor flow characteristics and for applications when the silo diameter is large but outlet cross-sections are small.

There are more than 20,000 units operating worldwide, demonstrating the outstanding quality of this discharge aid.

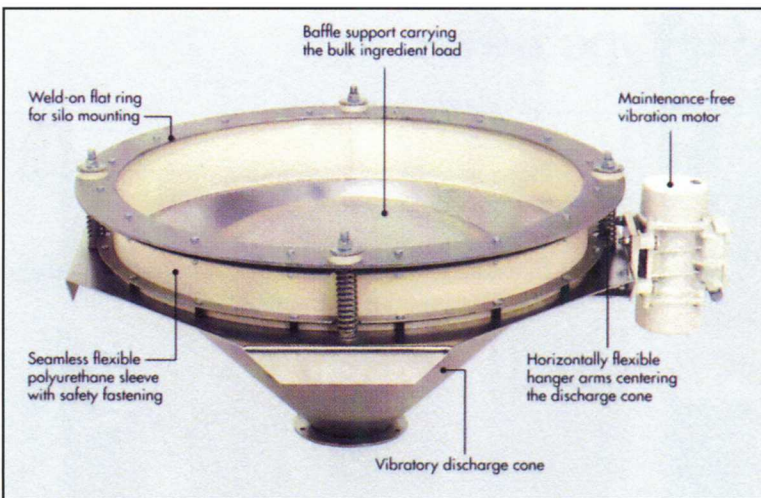
### FUNCTION

The Brabender Bin Activator Type BAV 04 consists of a discharge cone with an integrated baffle. A flat ring is welded to the silo and the remainder of the unit is suspended by means of hanger arms which flex horizontally.

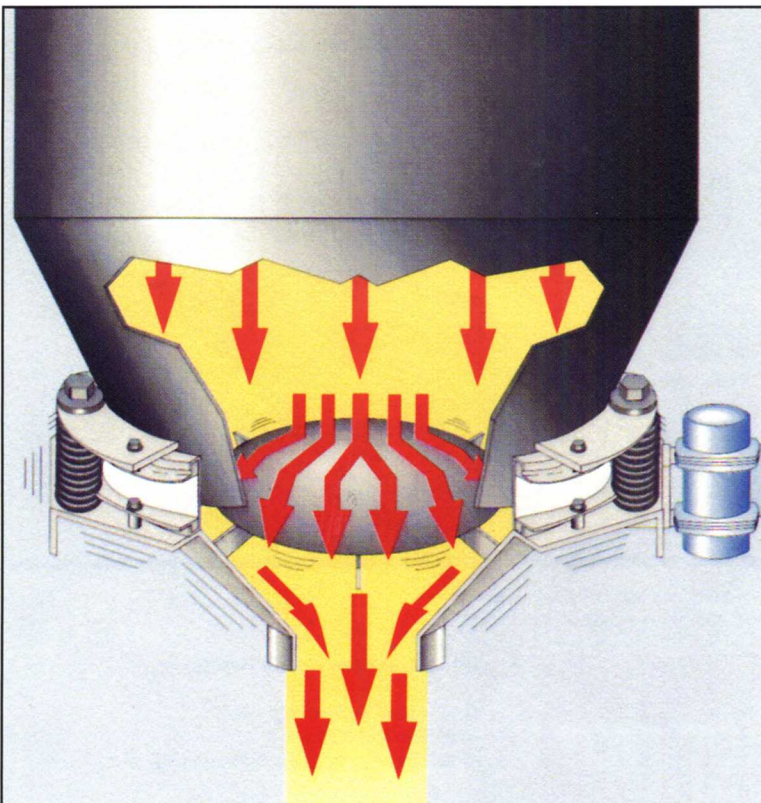
A double shafted unbalanced AC motor vibrates the suspended portion of the bin activator in a horizontal circular motion. This induces active mass flow of the bulk solids and promotes reliable discharge through the annular gap between silo cone and baffle. The baffle supports the entire ingredient column to prevent bridging at the outlet.

The seamless polyurethane transition sleeve between the flat ring and the discharge cone is very flexible and ensures optimum vibration isolation from the silo.

The heavy duty vibration motor offers easy amplitude adjustment. A VFD on the motor provides variable frequency.



Components of the BAV 04 Series Bin Activator



Flow from the silo is around the baffle. No ratholing, no bridging at outlet.

# Brabender Bin Activator BAV 04

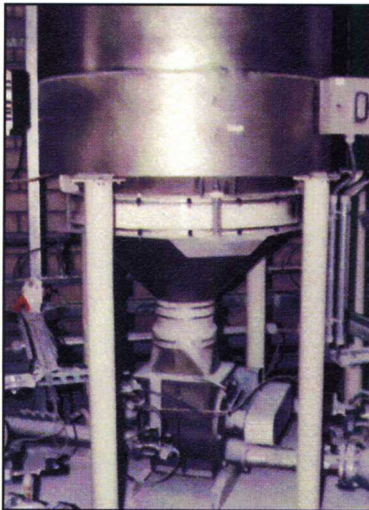


A production line of hoppers with BAV 04 Series Bin Activators.

## Discharging difficult bulk solids

### ADVANTAGES

- Suitable for all bulk ingredients.
- Non-compacting discharge "first in, first out" due to the vibration principle.
- No bridging.
- No particle degradation.
- Ingredient deaeration and homogenization of the bulk density.
- Suitable for silos made of mild steel, stainless steel, aluminum or plastics.



BAV 04 Series with Rotary Feeder at Discharge.



BAV 04 Series with FlexWall™ Feeder at Discharge.

### MODELS

- Mild Steel, stainless steel, plastics coated surfaces.
- Model sizes for small size bins to silos.
- Special models for high pressure, high ingredient temperature.

Leading Manufacturer of Feeding, Weighing and Discharging Equipment  
with Over 50 Representative and Service Centers Worldwide

#### Headquarters:

Brabender Technologie KG  
Kulturstrasse 55-73  
D-47055 Duisburg, Germany

Tel: ++49 (0) 203-99 84-0  
Fax: ++49 (0) 203-99 84-155  
Web: [www.brabender-technologie.com](http://www.brabender-technologie.com)



#### North American Headquarters:

Brabender Technologie Inc.  
6500 Kestrel Road  
Mississauga, Ontario, Canada L5T 1Z6

Tel: (888) 284-4574 (905) 670-2933  
Fax: (905) 670-2557  
Web: [www.brabenderti.com](http://www.brabenderti.com)