

Anti-bridging Device

Flat Bottom



Anti-bridging Device

TO BOOST AND CONTROL THE FLOW OF POWDERS UNDER SILO OR HOPPER

FUNCTION

The flat-bottomed anti-bridging device is designed to break up lumps and facilitate the flow of the material

It is used for the extraction and feeding of pneumatic transfer, screw conveyors, rotary valves... It provides mechanical agitation of the material to prevent it from caking during storage or after a grinding phase.

It increases the storage volume on a specific height (no slope).

TECHNICAL CHARACTERISTICS

The anti-bridging device, also called extraction system, is entirely mechanical and is fitted with a rotary blade driven by a gear which moves the material to the feeding point while avoiding the formation of bridges. Seals at the shaft passage are particularly neat with braids and deflector.

Versions with pressurization are possible.

The speed of the anti-bridging device can be adjusted with a frequency converter.

The blade engine is independent (installed power: 1.5 kW - 15 kW IP55).

Mild steel, stainless steel 304L and 316L manufacturing
Diameters from 400 to 2,000 mm.

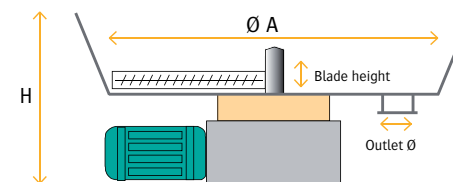
Option: the bridge breaker, fitted with crumbling fingers, burst the material lumps against the fixed shaft



ADVANTAGES

- Mechanical extraction without air or vibration, no contamination or compaction
- Mounting under the silo with a single flange
- Independent work load with complete draining of the silo
- Low installed power
- Tight and silent operation
- Ease of implementation: rotating flange, adjustable length, flexible or rigid dosing
- Fast assembly
- Dosing accuracy regardless of the amount of powder contained in the silo

DIMENSIONS



Models	Ø A	Number of outlets	Outlet Ø	H	Blade height*	Number of blades	Power in kW*
400	400	Custom made	Custom made		from 15 to 400 mm	2	1.5
600	600				from 15 to 400 mm	2	2.2
800	800				from 15 to 400 mm	2	3.3
1.200	1.200				from 15 to 800 mm	2 or 4	5.5
1.600	1.600				from 15 to 800 mm	2 or 4	7.5
2.000	2.000				from 15 to 800 mm	2 or 4	15

* Variable according to the treated material



TECHNICAL CHARACTERISTICS



Option: Pressurization of the bearings and air injection (optional)



Option: Braids for bearing sealing