



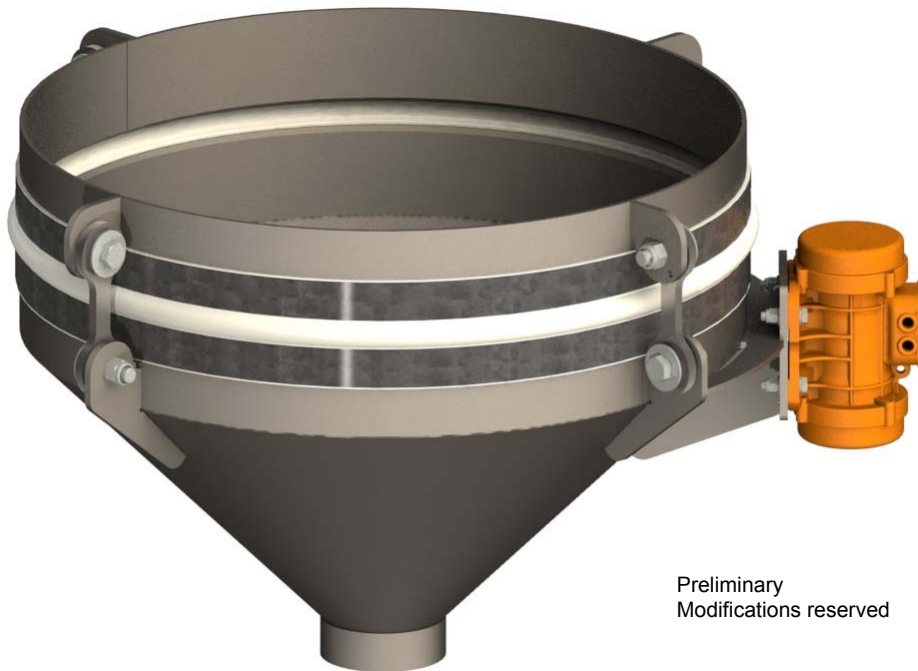
Datasheet solids - Vibration Cone EVS - Clean



Uniform product mass flow, avoids dead zones and particle segregation.

Operation purpose:

Horizontal vibrations accelerate colliding particles, repelling each other and generating a constant flow of product.



Preliminary
Modifications reserved

Advantages:

- Reliable discharging of difficult bulk solids
- Uniform material movement across the entire width of the silo
- Homogeneous mass flow without dead zones
- Gentle handling of the material to be discharged, with neither particle segregation nor degradation
- High operational safety due to the sturdy design of the components and avoidance of bridging
- Homogeneous dosing flow without pulses, due to the optimum filling of the metering equipment

Approval	HSS ES		HSS DE	
	Date: 05.01.21	Sign: Ru	Date: 15.01.21	Sign: Le

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Operation conditions:

Admissible working pressure: atmospheric up to 0,5 bar g.

Maximum product temperature: 150°C.

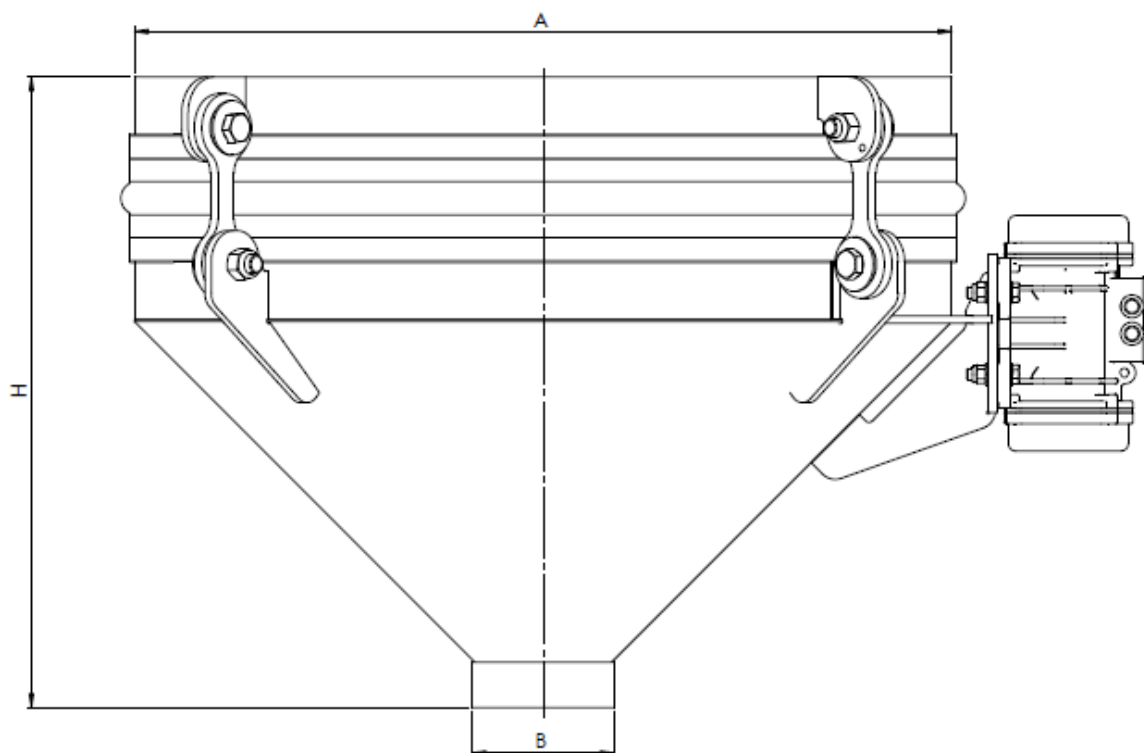
Minimum / maximum ambient temperature: $-20^{\circ}\text{C} \leq T \leq +40^{\circ}\text{C}$.

Bulk solid data:

Powder form up to medium hardness.

Free flowing up to medium flowing products.

Type	A (mm)	B (mm)	H (mm)	Vibrator (W)	Hangers quantity	Weigth (kg)
EVS06000C01	ø 600	DN 150	560	120	4 simples	100
EVS09000C01	ø 900	DN 150	695	120	4 simples	160
EVS12000C01	ø 1200	DN 150	845	270	4 simples	200



The device described below does not have any source of ignition. Therefore, it does not apply the ATEX Directive 2014/34/EU and are authorized to contain potentially explosive atmospheres (zones 20-21-22) inside.

The electrical equipment must be specified separately and duly certified for the corresponding ATEX zone.

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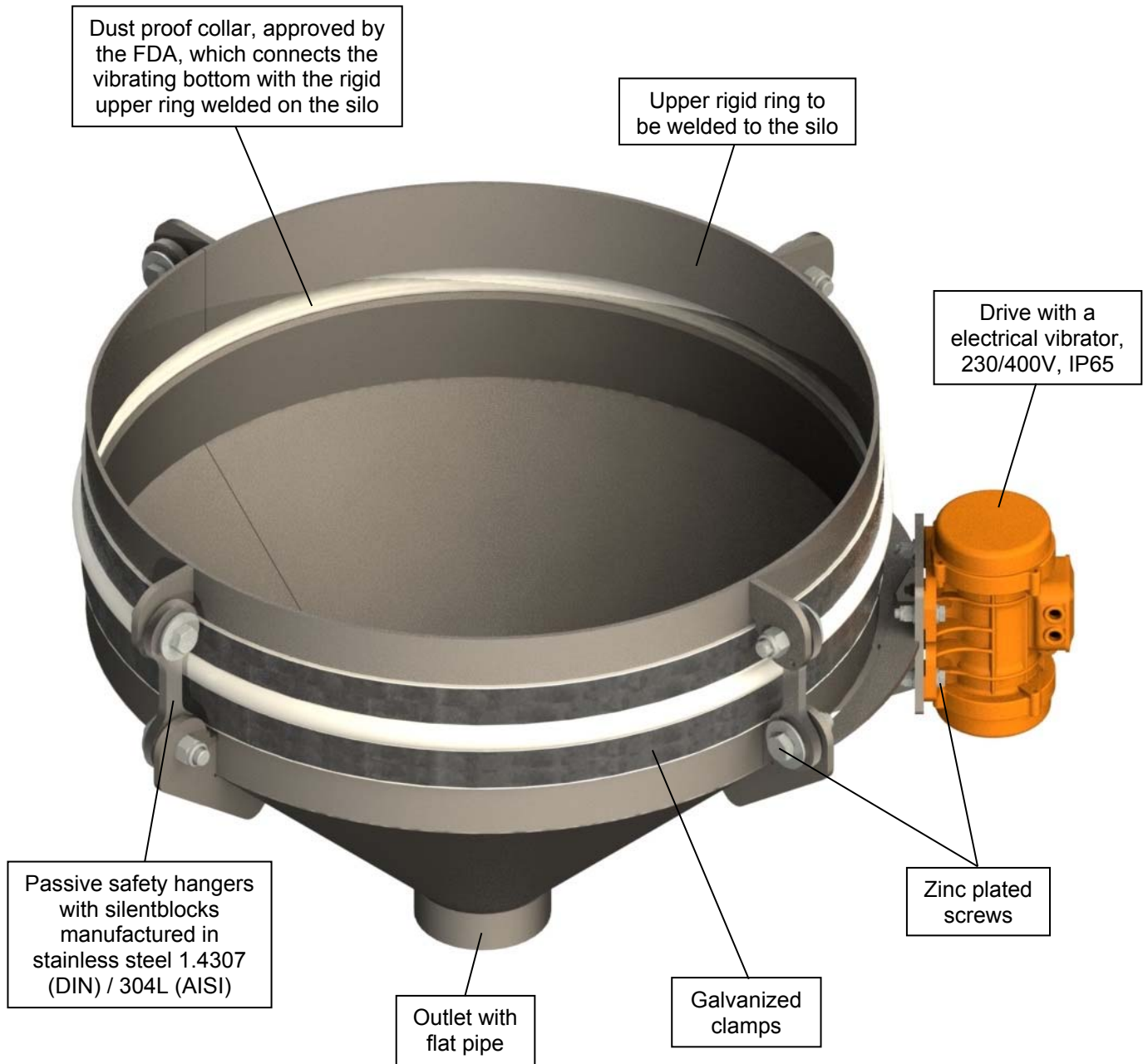
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Part of **HOSOKAWA ALPINE**

Basical version:

Parts in contact with the product manufactured in stainless steel 1.4307 (DIN) / 304L (AISI).



Surface treatment:

All the welding stripped, and everything passivated.

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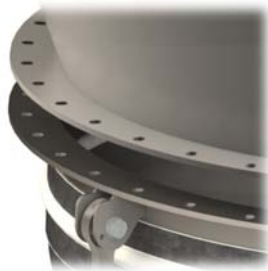


Part of **HOSOKAWA ALPINE**

Options:

1. Especial design for holding a $P_{RED} = 1$ bar g pressure shock of the silo's venting.
2. $\varnothing 200$, $\varnothing 250$, $\varnothing 300$, $\varnothing 350$, $\varnothing 400$ or $\varnothing 500$ outlet diameter with the corresponding height modification.

3. Welded flange in the upper rigid ring for bolting into de silo. Includes tightening seal. Fastening components not included.



4. Outlet with PN10 flange.



5. With vibrating grate for reducing agglomerates. Hole size: 50x50 mm.



6. With vibrating conical deflector.



7. Three aeration sticks made of porous stainless steel, discharge aid for very difficult to non-flowing products. Easy disassembling for cleaning. Includes pipeline and electropneumatic installation.



8. Parts in contact with the product manufactured in stainless steel 1.4404 (DIN) / 316L (AISI).
9. Parts in contact with the product manufactured in stainless steel 1.4571 (DIN) / 316Ti (AISI).
10. Electric motor brake device for installation in the control cabinet.

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11. Vibrator suitable for zone 1/21 Atex EX 2GD.

12. –

13. Especial design for holding a $P_{abs} = 0,2$ bar of depression.

14. 1½" G connection for assembling a minimum level switch.

Related documents:

3D-part: Type.step (example: **EVS09000C01**.Step)

2D-planning drawing: Type.dxf (example: **EVS09000C01**.dxf)

Selection criteria: SG-EVK-EVS

Pricelist: PL-EVS-Clean

List of drawing numbers: Draw-No-List_EVS-Clean

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