

AZO Vibration Bottom type VB ... design B and D for reliable discharge from hoppers

**Reliable
discharge**

**Sturdy
design**

**Simple
construction**

For universal use

Preferred applications

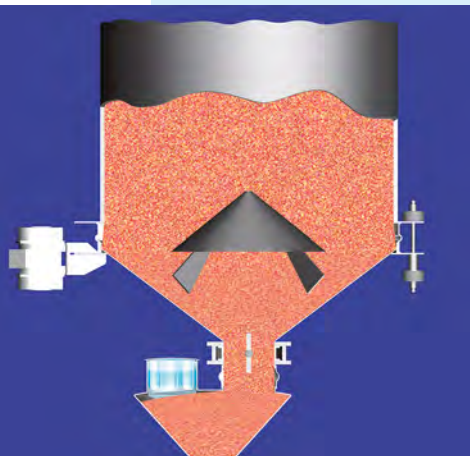
For reliable discharge of powdery, crystalline, high-fat and granular bulk materials from hoppers.

It can be used for almost all materials in the foodstuffs, plastics, chemical and pharmaceutical industries.

Special advantages

- Simple and sturdy design
- Reliable discharge
- For universal use
- Uniform fall of the product column (materials flow)
- No stacking and bridging
- Also suitable for problematic and flow-resistant materials
- Optimum emptying of hoppers, without residues

THE INNOVATION

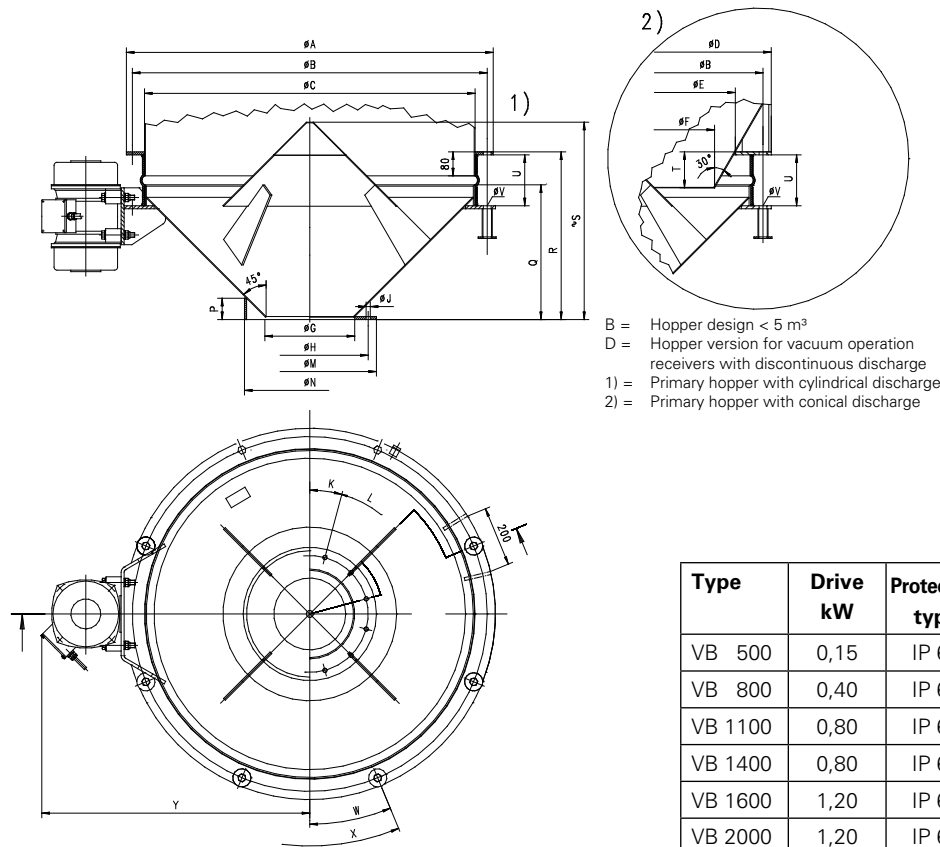


How it works

The vibration bottom is set in horizontal circular vibrations by the laterally mounted unbalance vibrator. The vibrations are transmitted to the materials column via the relieving cone which is oscillating in the interior of the vibration bottom. Thus the material is put in motion falling uniformly without core flow or bridging. The product reliably reaches the discharge through the ring gap. The intensity of the

vibrations, which depends on the type of material and the required output, can be set at the unbalance vibrator.

Dimension diagram for vibration bottoms VB 500 – VB 2000, design B and D



Technical data

Collar:
EPDM black (FDA approved)
silicon (FDA approved)

Design:
Mild steel, epoxy-coated
light grey RAL 7035,
nickel chromium steel
1.4301; 1.4571
Various surface finishings are
available depending on hygiene
requirements

Power supply:
400V, 50 Hz
special voltages are possible

Type	Drive kW	Protection type	Head class	Gross capacity	Weight kg
VB 500	0,15	IP 65	B	ca. 45 dm ³	41
VB 800	0,40	IP 65	B	ca. 80 dm ³	100
VB 1100	0,80	IP 65	B	ca. 200 dm ³	160
VB 1400	0,80	IP 65	B	ca. 385 dm ³	210
VB 1600	1,20	IP 65	B	ca. 565 dm ³	370
VB 2000	1,20	IP 65	B	ca. 1050 dm ³	580

Type	ØA	ØB	ØC	ØD	ØE	ØF	ØG	ØH	ØJ	K	L	ØM
VB 500-200	600	560	500	—	—	—	200	285	14	22,5°	8x45°	340
VB 500-250	600	560	500	—	—	—	250	340	14	15°	12x30°	395
VB 500-300	600	560	500	—	—	—	300	390	14	15°	12x30°	445
VB 800	920	880	800	940	700	560	300	390	14	15°	12x30°	445
VB 1100	1225	1185	1104	1240	1000	860	300	390	14	15°	12x30°	445
VB 1400	1640	1540	1400	1640	1300	1160	300	390	14	15°	12x30°	445
VB 1600	1800	1720	1600	1840	1540	1400	300	390	14	15°	12x30°	445
VB 2000-300	2240	2140	2000	2240	1940	—	305	390	14	15°	12x30°	445
VB 2000-800	2240	2140	2000	2240	1940	1800	600	—	—	—	—	—

Type	ØN	P	Q	R	S	T	U*	ØV	W	X	Y
VB 500-200	—	—	237	347	284	—	170	20	45°	4x90°	490
VB 500-250	—	—	212	322	259	—	170	20	45°	4x90°	490
VB 500-300	—	—	187	297	234	—	190	20	45°	4x90°	490
VB 800	—	—	300	410	396	121	170	26	45°	4x90°	715
VB 1100	—	—	450	560	659	120	170	26	60°	6x60°	895
VB 1400	—	—	600	710	952	121	170	30	22,5°	8x45°	1095
VB 1600	—	—	700	810	1180	121	170	30	22,5°	8x45°	1255
VB 2000-300	—	—	895	1005	1308	—	195	30	15°	12x30°	1437
VB 2000-800	800	100	750	860	1164	121	170	30	15°	12x30°	1455



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* Prior to assembly U=180 mm

The design is subject to change due to our continuous improvement program.