

The Universal Mill for Small Throughputs

HIGH-SPEED HAMMER MILL VL

The high-speed hammer mill VL is a universal machine for grinding a variety of products such as grain, wood, spices, salts, minerals. It is suitable for both coarse grinding and fine grinding.

It is also available in a version with injection nozzles in the inlet area so that large quantities of liquids can be added for wet grinding, for example for alcohol production.



Your Advantages

Efficient Grinding of a Wide Range of Products

- Optimised impact zone with hardened impact plates on both sides of the inlet
- Universal use from fine to coarse grinding possible
- Suitable for the use of all common screen perforations
- Variable grist spectrum by adjusting the beater circumferential speed (when using a frequency converter), the screen perforation and the beater configuration

Reliable Operation and Long Service Life

- Robust welded steel construction for continuous industrial operation (24/7)
- Grinding chamber equipped with wear elements to protect the housing, easy to change
- Durable, optimised rotor design, dynamically balanced, operation in both directions of rotation

- To protect the screens: foreign body catch trap for impurities inside the grinding chamber

High Availability with Low Downtimes

- Rotor with short run-down time < 6 min without brake
- Large front door allows easy and quick access to the machine interior
- 2-part screen segments without frame, easy and quick to change segment by segment

High Safety of Personnel and Plant

- Standstill monitoring with door safety device
- Pressure shock resistant and flameproof design (0.4 bar)
- ATEX design according to zone 21 (II 2 D) inside and zone 22 (II 3 D) outside optionally possible

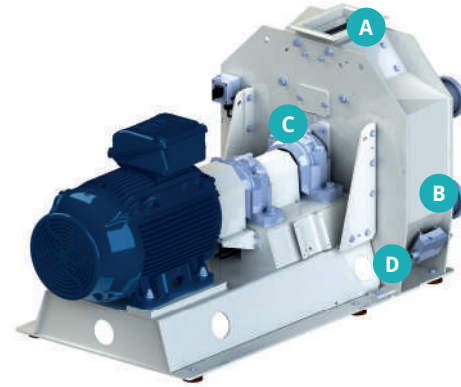
Technical Details

Type	VL 2	VL 3
Grinding chamber diameter (mm)	700	700
Screen width (mm)	200	272
Grinding chamber area (m ²)	0.30	0.40
Dimensions and weight		
Length* x width x height (approx. mm) <small>*depending on motor size</small>	1510 x 900 x 970	1750 x 900 x 970
Weight without motor (approx. kg)	550	700
Drive		
Motor size (kW)	15 - 37	22 - 45
Speed 50 Hz/60 Hz (rpm)	3000/3600	3000/3600
Speed with frequency converter 30-60 Hz (rpm)	1800 - 3600	1800 - 3600

Standard Supply and Options

Standard Scope of Supply:

- Pressure shock resistant up to 0.4 bar and flameproof
- Automatic door locking with standstill monitoring
- Flexible cam coupling (N-EUPEX) with coupling guard
- Vibration dampers, height adjustable
- Automatically adjustable inlet flaps depending on the direction of rotation
- Sealing flange for the grist outlet
- Electrical components completely wired to terminal boxes
- Drive motor B3 with integrated PTC thermistor sensors
- 1 set of beaters, ready mounted
- Beater frame changing device
- 2 sets of screens, one of them installed in the mill
- 1 set of special tools
- Multi-layer coating



Option:

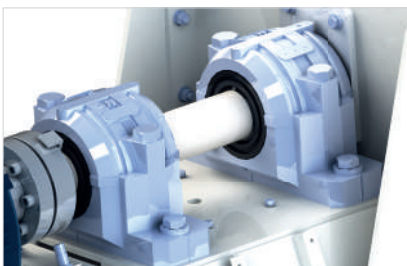
- Safety package consisting of:
 - Bearing temperature monitoring
 - Grinding chamber temperature monitoring
 - Grinding chamber vacuum monitoring
- ATEX design according to zone 21 (II 2 D) inside and zone 22 (II 3 D) outside
- Injection nozzles for wet grinding



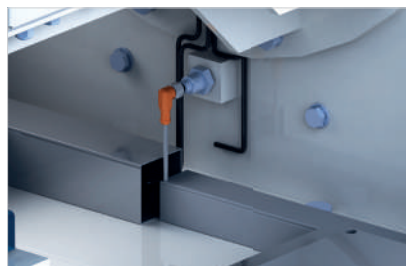
A Inlet flaps and hardened impact plates



B Stone catch trap



C Temperature monitoring of the bearings



D Temperature monitoring of the grinding chamber