Vibratory Cup Mill / Grinding Mill

3 Grinding Bowls (simultaneous) on one platform

Model: M-VCM-3065

The Vibratory Cup Mill consists of a Bowl, a Hammer and a Ring. Grinding is effected by heavy impact and friction.

For samples that are sensitive to contamination in addition to various types of samples to be ground and analyzed simultaneously, we provide 2/3/4/5 bowl sets on one platform.

Technical Specifications

Vibratory Cup Mill

1	Purpose	: Pulverising for Laboratory use.
2	Pulverising Material	: Bauxite, Clinker and Raw mix, Coal, Coke, Concrete, Corundum, Geological ores, Glass, Granite, Graphite, Limestone, Iron ore, Quartz, Silicates, Slag, Ferro alloys.
3	Working Principal	: Friction and Impact. The vibratory cup mill is loaded with a Bowl set. Grinding is affected by heavy impact and friction. Sample is kept in the annular space between the bowl, the ring and the hammer after covering the top of the bowl. It is clamped on a vibratory platform, which imparts kinetic energy to the ring and the hammer.
4	Feed size	: Fine to 5 mm
5	Output size	: Up to 300 mesh, depending upon the time given for crushing/milling.
6	Clamping	: Manual, all bowls are clamped by one action, which is 100% safe.
7	Display	: Digital display, To set time Time Range: 0-256 minutes.
8	Safety Features	: a) Door closing sensor is provided. b) Over Load Relay (OLR) for motor safety is provided.
9	Motor	: 1.5 KW, 2 HP, 415 V, 50 Hz, 3 Phase Induction motor with 1440 rpm (Crompton/ABB).
10	Required Power (to be provided by end user)	: 3 Phase with neutral + earthing, 10 amps, 4 Pole MCB
11	Operation	: Frequent On/Off or continuously for one hour.
12	Mounting	: The unit is floor mounting on leveled floor. No foundation required.

Grinding Bowl Set

1	Elements / Components	: 1 each Bowl, Ring, Hammer, Lid and O-Seal
2	Capacity	: 50 ml, 100 ml, 150 ml, 200 ml, 250 ml and 400 ml, (ring not required in 50 ml bowl)
3	Material of Construction	: Hardened Steel / Tungsten Carbide Lined
4	Clamping	: Quick and easy, no chance of slippage of bowl during run.
5	Leak Proof Grinding	: The container when clamped with lid becomes 100 % leak proof.

Note: Supplied equipment may vary from the image(s) shown here.

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