

Laxmi Pulveriser

Laxmi Pulveriser is a high speed swing beater type Grinding Mill. Pulverization is achieved by the impact of beater on the material in the Grinding Chamber. The fine powder is swept by the suction of the blower from the Grinding chamber through whizzer classifier. The function of the whizzer blade and cone is to check the oversize particles and thus regulates the mesh size by shifting the whizzer blade to the cone side.



The function of the blower is to deliver sized particles to the cyclone where particles are separated from the air by the centrifugal force developed in the cyclone. The powder is discharged by the cyclone outlet and the separated air returns back to the grinding chamber by semi round bend. The excess air escapes through dust collection bags connected with semi round bend. The extra fine particles are collected through Dust Collectors.

Construction

Laxmi Pulveriser are manufactured from the best raw material available. The main body of the machine such as Base Plate, Grinding Chamber, Whizzer Cone & the Blower are made of cast iron. Every portion which comes in contact while grinding the material is lined with steel plates. The circumference of the grinding chambers which comes in impact with the material is lined

with Hard C.I. replaceable liners to ensure a long life of the machine & to protect it from wear & tear.

Usage

Laxmi Pulverizer is an ideal unit for grinding all types of soft & hard non –abrasive minerals such as; Talc, Soapstone, Dolomite, Calcite, Barite, and similar minerals. The mesh size varies from 60 to 500 meshes. It is also used in pesticides formulation, for grinding of dry chemicals.

Technical Details

The Laxmi Pulveriser are available in five different sizes to fulfill your required production capacity. The Laxmi Pulveriser are designed in efficient & scientific manner to give maximum production with low power consumption & high efficiency.

Additional Equipments

Silica Separator

It can be provided at extra cost with the pulveriser to separate the heavier & siliceous materials.

Mixer

It is used for mixing of chemicals after grinding & pesticides formulation .We supply special type of mixers to attach with the pulveriser as under:

- Ribbon Blender - Liquid-liquid Mixing
- Orbiting Mixer - Free Flowing Dry Solids (Vertical Screw)
- Rotary Mixer - liquid -powder Mixing

Cone Classifier

- It can be attached at extra cost to the pulveriser to produce high mesh materials.

Item Not In Scope Of Supply

- Motor * Electricals * Motor Rails * Motor Pulley * Cotton Bags for Dust Collector * V-Belts
- Foundation Bolts * Civil Works * Erection & Commissioning

Technical Detail

| Pulverizer | Power Req. | Cap. In. Ton/Bhrs Shift | Weight Of Machine | Intake In Mm | Mesh Size | The M.O.C. & the main body of the Pulverizer such as Base plate, Grinding Chamber, Whizzer cone & the Blower is made of Cast Iron. The Circumference of the grinding chambers which comes in contact with the material is lined with Hard Cast Iron Replaceable liners to ensure a long life of the machine and to protect it from quick |
|-------------------|-------------------|--------------------------------|--------------------------|---------------------|------------------|--|
| 25" | 30 HP | 1.0-1.25 | 1.5MT | - 20MM | 300-1% | |
| 32" | 50 HP(O) | 5.0-6.0 | 3.0MT | - 20MM | 300/O-1% | |
| 32" | 60 HP(D) | 3.0-4.0 | 3.0MT | - 20MM | 500/D-1% | |
| | 60 /75 HP(B.C.) | 6.0-7.0 | 3.5MT | - 20MM | 300/B.C.-1% | |
| 42" | 100 HP(O) | 11-12 | 6.2MT | - 20MM | 300/O-1% | |

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|-----|---------------------|---------|-------|---------------|-----------------|--------------|
| 42" | 120 HP(D) | 6.0-8.0 | 6.2MT | - 20M M | 500/D- 1% | wear & tear. |
| | 150 HP(B.C .) | 12-14 | 7 MT | - 20M M | 300/B.C.- 1% | |
| 52" | 300 HP(D) | 22-25 | 13 MT | - 20M M | 300-1% | |