

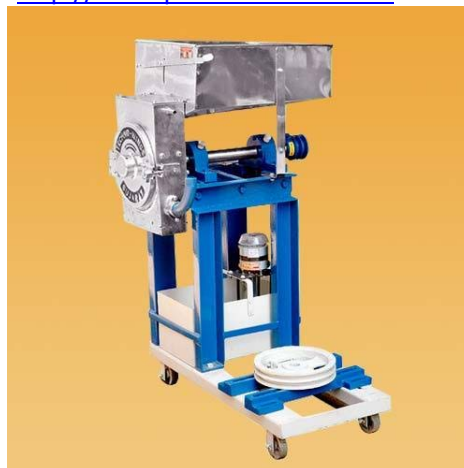


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Mini pulveriser with water circulating system

This water jacketed mini pulveriser may widely utilize in pharmacy, food, chemical industry, especially to the heat sensitivity material, the spices, herbs, drugs, heat sensitive comical and the zoology and botany and so on and assumes toughness under the normal temperature, is unable material which crushes. This pulveriser is supplied with water jacketed crushing chamber, and then is crushed degree of fineness in the grinder which needs; moreover the original ingredient cannot destroy. The low temperature grinding, the effect be more remarkable.



Avail from us, a wide array of techno wings brand low temperature grinding pulveriser that is designed to offer effective and continuous grinding. These products are applicable for various spices, fresh fruits, garlic, coffee, sugar, herbs, vegetables, poultry feeds, custard powder, sugar and various other allied foods.

Key features of water jacketed mini pulveriser

- Unique and reliable design
- The water jacketed mini pulveriser series pulverisers are highly effective as well as nonstop continuous pulverizing process.
- Fineness range 2-100 mesh
- Compact size
- Dust free operation
- Ideal for dry crushing
- Increased production leading to faster return on the investments
- Hardened & fully machined beaters thus less wears & tears.
- Single pieces grinding chamber no separate joints of fabrication for out late.
- Four numbers beaters are from special steel & single piece (without joints) are hardened

Available models of water jacketed mini pulveriser

Model	Tw-4 super	Tw-5 super	Tw-6 super
Chamber size	Diameter 8 inch x 3 inch	Diameter 10 inch x 4 inch	Diameter 12 inch x 6 inch
Diameter x		Diameter 250 mm x 100mm	Diameter 300 mm x150



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width	Diameter 200 mm x 75mm		mm
Required motor	2 H.P. (1.5 Kw.)	5 H.P. (3.75 Kw.) or 7 .5 H.P. (5.62 Kw.)	7 .5 H.P. (5.62 Kw.) or 10 (7.5 Kw.)
Grinding speed	5000	5000	5000
Finnish range	2-100 mesh	2-100 mesh	2-100 mesh

Operating principle of water jacketed mini pulveriser

The flow of material from the feeding hopper is regulating by means of a vertical adjustable slide to suit the load. Rotor with four beaters runs in anti-clockwise direction. The swinging beaters pass just beneath the ratchet teeth liner fitted inside the top half of the crushing chamber, leaving a gap of 3 to 4 mm between the liner teeth and the tips of the rotating beaters. This cuts the material caught between the liner teeth like a sword with a scissors action at a high speed of 5000 rotations per minute.

After the required size reduction, the material will pass through the screen fitted inside the lower discharge end of the grinding chamber. No sieving is required, as the appropriate size screen fitted will not allow coarser material to pass through. The air generated in the crushing chamber forces the powder to pass through the screen fitted at the bottom discharge end of the crushing chamber, into a cotton bag attached to the delivery trough below. The dust is collect through the attached balloon fitted on the discharge end. The top closed end of the balloon may suspend from the roof or a wall of the building. Every half an hour, the balloon should be tap to knock down the dust clogging the pores of the balloon, thus releasing the pressure built-up. The dust falls in the bag below, and thus a dust free operation without wastage of product achieve. (When crushing wet-pulpy materials, the balloon should not be use).

Servicing guidelines of water jacketed mini pulveriser

Open the cover of chamber all grinding parts clean with a brush in couple of minute and the pulveriser is ready for next grinding. If required, the grinding chamber can also be wash with water. Remove the cotton balloon and the screen, close the cover tightly and start the grinder. Now pour a bucket or two of water into the hopper. The grinding parts will be flushed with the water and cleaned. Continue running the machine for a few more minutes as the draft of the fresh air sucked into the grinder will dry it. When the beater worm out removing and reserved by removing the cur clip lock holding to the rotor pins. When both the edges are worm outs,



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they sharpened on an emery stone, to use as new. In addition, when completely worn out, replace the equal weight and refitted.

Standard accessories of water jacketed mini pulveriser

- Motor pulley
- 1 number cotton balloon.
- Easy movable trolley with adjustable rail for motor
- 5 numbers perforated round holes screen

Extra accessories of water jacketed mini pulveriser

- Suitable totally enclosed fan cooled single or three phase sq. Cage motor as per is: 325 or 996{ (special power can be accommodated): 220/380/415 volts, 50/60 Hz , 3 phase }
- Suitable miniature circuit breaker as per is: 8828 with 3 meter cable & 3 pin top as per is: 1293
- V belts
- Contacting parts stainless steel 304 / 316 can be accommodated.

Application of water jacketed mini pulveriser

the techno wings water jacketed mini pulveriser are widely used for grinding of dry/wet spices, green chili, fresh ginger, garlic, fresh fruits, and vegetables. These machines can also be used as a fruit finisher. The techno wings mini pulveriser can also be used for the following dry applications like agricultural chemicals, broken biscuits (hi-fat/low fat), custard powder coffee, charcoal, dals, dyes & pigments, fillers, henna leaves, herbs, leaves and roots instant foods insecticides and pesticides, kaolin molding powders, pharmaceuticals, plastics, poultry feed & marine feed, resins, sugar (biscuit grade/icing grade), separates, tea etc

Construction of water jacketed mini pulveriser

Water jacketed mini pulveriser is made from cast iron body. Grinding chamber lined with serrated wear plates, which protects the body from wear and tear. Grinding done by a set of swinging four numbers inters changeable and reversible beater on a balanced rotor which is fitted on suitable electric motor's shaft. A screen classifier forms the lower half of the grinding chamber.