

## COLLOID MILLS



## Siddhi Pharma Equipment

Mfg.& Exp. Of Plants & Machineries for Pharmaceuticals,  
Cosmetics, Chemicals food & Beverage Industries

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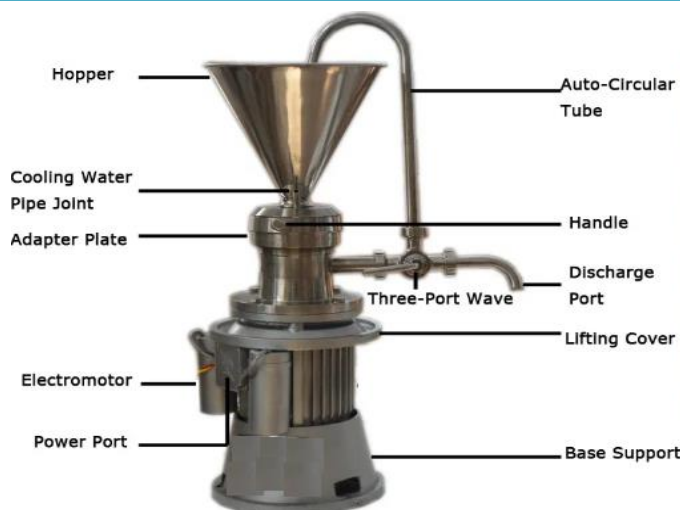
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## Colloidal Mill :

**COLLOIDAL MILL** is used to reduce the particle size of a solid present in different liquid forms or solid forms of the pharmaceutical ingredients in pharmaceutical industry.

Colloidal Mill reduces the size of particles of solids that are suspended in a liquid, when a liquid suspended in another liquid, meaning that they are immiscible, this machine is used alternatively to reduce the size of droplet.

It is mainly reduce the solids which are present in the suspension or emulsion or the reduction in the suspension droplet size. It is almost used for the all types of materials for the reduction. The end result of this type of mix is very stable mix which is able to resist contamination by water or bleed. In fact this is the method used in mixing cement base grout. The colloidal mill uses a method known as shearing.



## **Advantageous \ Benefits :**

- It has a wide range of use including combination of slurry- fluid materials.
- No pressure is required for ionization.
- The machine is simply constructed.
- It can be easily adjusted.
- Colloid mill is easy to clean after use
- The machine is self-draining.
- High capacity and minimal requirements.
- Reduced wear as a result of the construction of the rotor-stator with toughened steel/corundum.
- Low machine noise level

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## **Silent Features :**

- Unique for small volume micronization.
- Modified design of stator-rotor assembly.
- Totally leak proof design.
- Easy to dismantle for cleaning and maintenance.
- Available in plain, water jacketed & flame proof options

# Technical Specification:

Machine Type	.CM-3 (V)	.CM-5(V)	.CM-3(V-DX)	.CM-5(V-DX)
Model	Vertical	Vertical	Vertical -Dx	Vertical -Dx
Output. Ltr/Hr.	145 to 1400	145 to 1400	145 to 1400	145 to 1400
Hopper Capacity	20 Liters	20 Liters	20 Liters	20 Liters
Motor Type	Vertical Flange Mounted	Vertical Flange Mounted	Vertical Flange Mounted	Vertical Flange Mounted
Motor	3 H.P. X 2850 RPM. A.C. Supply	5 H.P. X 2850 RPM A.C. Supply	3 H.P. X 2850 RPM A.C. Supply	5 H.P. X 2850 RPM A.C. Supply
Motor Coupling	Direct	Direct	Belt Driven	Belt Driven
Height (mm)	1035	1035	1035	1035
Floor space (mm)	450 x 750	450 x 750	365 x 720	365 x 720
Net Wt. (Approx)	145 kg	148 kg	160 kg	165 kg
Gros Wt. (Approx)	235 kg	238 kg	250 kg	255 kg

**Single Source Provider for all your technical requirements.**

**One of the most important “Siddhi Pharma Equipment” guideline is to be closest to our Customers. We strive to create end-to-end solutions that meet our clients needs and their expectation.**

## Application :

- Pharmaceutical
- Food
- Chemical
- Cosmetics
- Allied Industry