

All Purpose Machine

Model No. VJAP-01



Double Cone Blender

TECHNICAL SPECIFICATIONS



Cube Mixer



Ball Mill



V-Cone Blender

General

The all purpose machine is used to produce homogeneous solid-solid mixture. Mixing is a common process step in the manufacture of products for industries such as healthcare, food, chemical, cosmetics, detergents, fertilizers and plastics.

Application

Blending is a process that can be carried out numerous times within a manufacturing process when new excipients need to be added to the blend.

The double cone blender is used to produce homogeneous solid-solid mixture. Mixing is a common process step in the manufacture of products for industries such as healthcare, food, chemical, cosmetics, detergents, fertilizers and plastics.

Double Cone Blender is efficient and versatile equipment for mixing of powder such as pharmaceutical recipients, various chemicals, and food products homogeneously. With an effective volume for optimum homogeneity between 35-70% of gross volume. Conical shape and elongated plane at both ends enables uniform mixing and easy discharge.

Blending of powders is a crucial step in the production of pharmaceutical solid dosage forms. The active pharmaceutical ingredient (API) is often a powder that is blended with other powders (excipients) in order to produce tablets. The blending efficiency is influenced by several external factors, such as the desired degree of homogeneity and the required blending time, which mainly depend on the properties of the blended materials and on the geometry of the blender.

Blending include an Active Pharmaceutical Ingredient (API) and numerous excipients which include fillers, binders, lubricants or disintegrates to name a few. Blending is a process which mixes the API and excipients to ensure there is a homogeneous mixture of all the ingredients for each manufacturing process. The blending process critical process parameters are identified as blender speed and blend time.

Technical Specification - Extruder

Sr. No.	Specification	Details
1	Certificates	GMP, ISO, CE
2	Main Drive	Maintenance free horizontal main drive consists of Motor- Induction motor 40 watts.
3	Drive	0.2 kW/0.25hp Single phase (1PH)/230V.
4	Gear box	1:10 and goes up to 150 rpm
5	Speed	5 to 150 rpm
6	Timer	0 to 999 min
7	MOU Non Contact Part	SS304
8	MOC Contact Part	SS316
9	Double Cone Blender	1 litre.
10	Cube Mixer	1.5 litre
11	Ball Mill	1 litre with S.S. balls – 5mm, 10mm, 15mm, 20 mm.
12	V-Cone Blender	1 litre
13	Documents	User Manual, Warranty Certificate.
14	Electric Consumption	0.5 watt per hour
15	Dimension (LXWXH) in mm	430 mm (L) X 410 mm (W) X 512 mm (H) (Approximately)
16	Weight	20 kg. (Approximately)

Note -

1. All the images displayed in the offer are for representation purpose only but actual may vary.
2. Dimension & weight may vary