

DOUBLE CONE BLENDER.

General Description:

The Double Cone Blender is an efficient and versatile machine for mixing dry powder and granules homogeneously. It can be used for Pharmaceutical, Food, Chemical and Cosmetic products etc.

The machine can be broadly divided in three parts viz.; main mixing vessel, stand or support structure and drive. The vessel is mounted on the stand on two pillow block ball bearings on each side. Drive, consisting of motor, gearbox etc. is also mounted on the stand.

Powders or granules that are to be mixed are loaded in the vessel. Vessel rotates around its central shaft, driven by the drive system. As the vessel rotates, powders start flowing due to gravitational force. Because of the conical shape of vessel, mass of flowing powders contract and expand continuously, achieving desired mixing or blending. Baffles attached to the central shaft obstruct the flow of powders generating cross flows that assist in quicker blending

SALIENT FEATURES :

- The conical shape at both ends enables uniform mixing and easy discharge.
All contact parts are made out of stainless 304 or 316 quality material, as required by customer.
- Manual rotating facility with hand wheel for inching. The same will be provided with ss cover & limit switch. (In 200 Kgs. & above model)
- Suitable size of butterfly valve at one end of the cone provided for material discharge & hole with openable cover provided at other end of the cone for material charging & cleaning.
- Shaft with fixed baffles provided inside the cone.
- VFD can be incorporated as an option.
- Actuator for valve can be provided as an option.

MODEL	GROSS VOLUME (Liters)	WORKING VOLUME (Liters)	WORKING CAPACITY (kg)	MOTOR POWER
DC – 300	300	200	150	2 HP
DC – 500	500	330	250	2 HP
DC – 750	750	500	375	3 HP
DC – 1000	1000	670	500	3 HP
DC – 1250	1250	830	625	5 HP
DC – 1500	1500	1000	750	5 HP
DC – 2000	2000	1330	1000	7.5 HP
DC – 2500	2500	1670	1250	7.5 HP
DC – 3000	3000	2000	1500	10 HP
DC – 3500	3500	2330	1750	12 HP
DC – 4000	4000	2670	2000	12 HP
DC – 4500	4500	3000	2250	12 HP
DC – 5000	5000	3330	2500	15 HP