

DOUBLE CONE BLENDER



SALIENT FEATURES :

- The conical shape at both ends enables uniform mixing and easy discharge.
- The cone is statically balanced which protects the gear box and motor from any excessive load.
- Powder is loaded into the cone through a wide opening and discharged through a butterfly valve.
- Depending upon the characteristic of the product, paddle type baffles can be provided on the shaft for better mixing, uniform blending and de-agglomeration.
- All contact parts are S.S. 316.
- Flame proof electricals can be provided as optional.
- Dust free bin charging system ensures minimum material handling
- In compliance with cGMP.

APPLICATION:

APLHA 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 Pharmaceutical, food, chemical, cosmetics, detergents, fertilizers and plastics.

The effective volume for optimum homogeneity is between 35-70% of gross volume. The double cone design eliminates dead spots, which occasionally occur in conventional double cone mixer.

MODEL	GROSS VOLUME (Ltrs)	WORKING VOLUME (Ltrs)	OVER ALL DIM	RPM	HP
ALP-DCB-10	50	30	1000x700x1200	30	1
ALP-DCB-30	150	100	1200x900x1600	30	2
ALP-DCB-60	300	200	2200x1500x2300	24	3
ALP-DCB-100	500	350	2700x1700x2800	24	3
ALP-DCB-200	800	600	3000x2000x3300	24	5
ALP-DCB-250	1250	1000	3200x2100x3500	20	7.5
ALP-DCB-300	1500	1250	3500x2300x3600	20	10
ALP-DCB-500	2000	1500	3800x2500x4000	20	15

OCTAGONAL BLENDER



APPLICATION:

ALPHA OCTAGONAL BLENDER is an efficient and versatile blending machine for mixing and lubrication process of dry granules homogeneously. Two third of the volume of the Cone Blender is filled to ensure proper mixing.

The Octagonal Blender Machine gives best result for granules due to very slow speed and octagon shape of container. It can be used for Pharmaceutical, Food, Chemical and Cosmetic products etc.

In Octagonal Blender the granules comes from all sides due to the octagonal shape of the product container, hence requirement of RPM is less. Suitable mainly for Crystalline & Granular type material. This type of material gets sufficient continuous movement due to their shape if container have only slow movement and will results in good quality of blending / lubrication of granules.

SALIENT FEATURES:

- Suitable for dry mixing of products in granule form.
- Easy for loading and unloading of material.
- Easy for cleaning.
- The octagonal shape & slow speed of rotating gives sufficient continuous movement to the granules, result in good quality.
- Simple design requires minimum maintenance.
- General structure & safety guards made out of mild steel & coloured in Standard Model and made out of SS 304 & polished to the matt finish in GMP Model.
- Maximum care has been taken to ensure safe operation of the unit.
- Manual rotating facility with hand wheel for inching.
- Bigger size batch at low power consumption.

MODEL	GROSS VOLUME (Ltrs)	WORKING VOLUME (Ltrs)	OVER ALL DIM	RPM	HP
ALP-OB-60	200	250	1800 X 1255 X 2050	12	1
ALP-OB-100	300	375	2165 X 1535 X 2585	12	1.5
ALP-OB-200	600	725	2300 X 1800 X 2800	12	2
ALP-OB-300	800	950	2350 X 1000 X 2800	12	3
ALP-OB-400	1200	1300	2800 X 2270 X 3050	8	5
ALP-OB-500	1500	1700	2850 X 2525 X 3120	8	5
ALP-OB-650	2000	2200	2800 X 2800 X 3350	8	7.5
ALP-OB-1000	2800	3500	2800 X 2900 X 3500	8	10