



Ribbon Mixer Machine NRD-series



The ribbon mixer machine consists of a U-shape tank, spiral and drives parts. The spirals dual structure. Outer spiral makes the material move from the sides to the center of the tank and the inner screw conveyor the material from the center to the sides to get the convective mixing.

Description:

Generally, ribbon mixer machines are used for mixing a viscous or cohesive mixture of particulates and the addition of liquid and paste-like material in powder or granule. Since Viscous materials are difficult to clean, the spiral ribbon mixer is suitable for mass production and other occasions such as infrequent replacement mixing.

Our NRD series ribbon type mixer can mix many kinds of materials especially for the powder and granular which with viscosity or cohesion character, or add a little liquid and paste material into powder and granular material. The mixture effect is high. The cover of the tank can be made in open-type so as to clean and change parts easily. If you are interested and want to know our ribbon blender machine price, please feel free to contact us.

Structural Characteristics:

The U-shaped elongated body of the tube structure ensures the resistance movement of the mixed materials within the barrel (powder, semifluid). Reverse rotation of a ribbon attached to the same horizontal axis, forming a low-power efficient mixing environment, generally made of ribbon blade helical double or triple, the outer spiral pooled material from both sides toward the center, the inner spiral conveying material from the center to both sides, the material can be formed more vortices in the flow. Horizontal ribbon blender can accelerate the mixing speed and mixing improve uniformity.

Application:

- Milk powder
- Foodstuff
- Medicinal
- Chicken powder
- Cosmetic Pigment
- Other industries

Main Features:

1. Horizontal tank, single shaft with dual spiral symmetry circle structure.
2. Under the bottom of the tank, there has a flap dome valve (pneumatic control or manual control) of the center. The valve is an arc design that assures no material accumulated and without any dead angle when mixing. Reliable regular-seal prohibit the leakage between the frequent close and open.
3. The disconnection ribbon of the mixer can make the material mixed with more high speed and uniformity in a short time
4. This mixer also can be designed with the function to keep cold or heat. Add one layer outside the tank and put it into medium into the interlayer to get the mixing material cold or heat. Usually, use water for cool and hot steam or use electricity for heat.

Technical Data:

Model	NRD-200L	NRD-300L	NRD-500L	NRD-1000L	NRD-1500L	NRD-2000L	NRD-3000L
Effective volume	200L	300L	500L	1000L	1500L	2000L	3000L
Fully volume	280L	400L	680L	1275L	1820L	2450L	3680L
Turning speed	53RPM	53RPM	45RPM	45RPM	39RPM	39RPM	37RPM
Total weight	400KG	650KG	980KG	1300KG	1600KG	2200KG	2600KG
Total power	4KW	5.5KW	7.5KW	11KW	15KW	18.5KW	22KW
Length	1800MM	1900MM	2050MM	2500MM	2950MM	3330MM	3350MM
Width	860MM	900MM	1050MM	1200MM	1350MM	1500MM	1850MM
Height	860MM	900MM	1250MM	1350MM	1400MM	1650MM	2050MM
Power supply	3P AC208-415V 50/60HZ						