

FHD-series Forced Mixing Machine



VI series forced mixing machine can be used to mix powders or granules. It is widely applied in industries of pharmacy, foodstuff, chemicals, etc.

The machine is designed on the basis of advantages of similar foreign products. Since its two cylindrical columns are of different length, the mixing machine is asymmetric. When the machine operates, material expands and can be mixed layer-by-layer axially due to the different angle of material disintegration and integration. In addition, potential energy of material which disperse in the bucket are different. Therefore, lateral convection mixing can be produced. What's more, the mixer installed in the bucket is linear with the spindle. When the bucket rotates, the mixing shaft will rotate in the direction opposite to the bucket for better mixing. The above mixing phenomena appear and repeat for uniform material mixing.

Mixing undergoes due to internal gravity for less pressure on material and high uniformity. In addition, bucket is made of stainless steel and its inner and outer walls are polished. Saving energy consumption and improving efficiency, the machine is an ideal equipment of new generation for powder mixing.

Technical parameters

Model	Total volume (m ³)	Production capacity (kg/num)	Feeding time (min)	Mixing time(min)	Tank rotation speed(rmp)	Overall dimensions (LxWxH)	Total rotation height(mm)	Total power(kw)	Weight (kg)
FHD-180	0.18	40		4-8	12	1178x680x1700	1870	1.1	290
FHD-330	0.3	60		6-10	12	1880x680x1700	1870	1.1	300
FHD-500	0.5	100	4-6	6-10	12	2500x1350x2450	2450	2.2	550
FHD-1000	1	200	6-9	6-10	12	3055x1650x2700	2940	4	850
FHD-1500	1.5	300	6-10	6-10	12	3343x1650x2980	2940	4	1020
FHD-2000	2	400	12-18	6-10	12	3820x1900x3480	3670	7.5	2040
FHD-2500	2.5	500	12-18	6-10	12	3990x1900x3540	3800	7.5	2200
FHD-3000	3	600	12-18	6-10	12	4690x2200x4000	4000	7.5	2500
FHD-3500	4	800	12-18	6-10	12	4950x2000x4230	4290	11	2800