

HYD500-3000

Holder Type Bin Blender



Application :

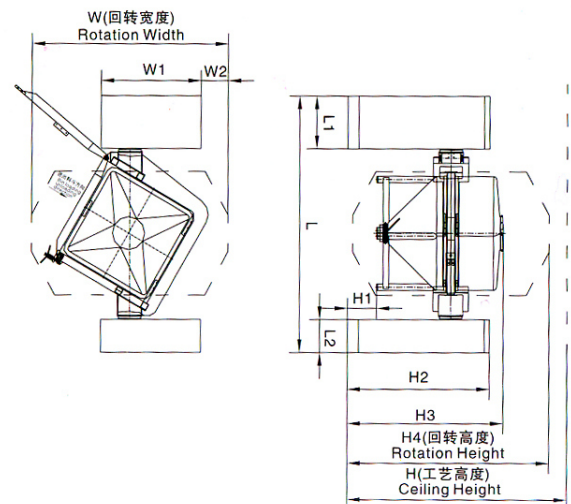
This equipment can execute automatically raising, clamping, blending and lowering tasks. One main machine can be configured with various bin specifications, so different batches and requirements for various blending can be satisfied, consequently it is considered as the ideal blending equipment in pharmaceutical industry. It is also widely used in chemical, foodstuff industries, etc.

Principle :

This equipment is composed of frames, rotating cage; drive, brake and control systems, etc. When operating, load and lock the bin in the rotating cage, and start the control system, the rotating cage is automatically raised to the blending height and reliably positioned. Then the transmission system starts blending task according to the set time and rotation speed. On reaching all the set parameters, the brake system operates automatically to stop the rotating cage being a horizontal position and the blending task is finished. Then, the lifting system works to lower the bin on the ground and on reaching that position, it stops automatically. Finally, data of this batch are printed. Unfasten the locking device of the rotating cage and move out the bin to transfer it for the next process.

Features :

This equipment is successfully designed on the basis of a wide research, absorption and digestion of foreign advanced models. It has a reasonable structure with stable performances and easy operation; the whole machine has no dead angle or exposed screws. Structural characteristics of this equipment are: the rotating cage (bin) is tilted 30° as compared to the rotation axis, the materials perform a double movement inside the bin: a constant and intense turn over following the frame rotation and also a relatively high tangential motion along the bin wall to realize an optimal blending effect and result. PLC, also infrared safety device and a device avoiding misoperation of butterfly valve are designed to ensure a fully automatic control and a safe production. All processes of the materials are finished in a same container without frequent materials transfer, charging and shift. Consequently, powder dust or cross pollution are effectively controlled to reduce materials losses, and on the other hand, an effective control of materials layers is achieved. Finally, the production process has been greatly optimized. HYD Series Holder type Bin Blenders comply entirely with GMP requirements for medicine production.



Main Technical Specifications	Main structural dimensions											Blending speed rpm	Net load kg	Total power kw	Machine weight T
	L	L1	L2	W	W1	W2	H	H1	H2	H3	H4				
HYD-500	3325	925	500	2450	1400	205	3200	380	2300	1860	2550	3-20	250	707	2.2
HYD-600	3325	925	500	2550	1400	205	3200	380	2300	1990	2550	3-20	300	707	2.3
HYD-800	3425	925	500	2650	1400	255	3200	330	2300	2060	2750	3-20	400	707	2.4
HYD-1000	3525	925	500	2850	1400	365	3400	330	2400	2205	2950	3-15	500	805	2.8
HYD-1200	3625	925	500	3100	1400	480	3600	330	2500	2220	3200	3-15	600	805	3
HYD-1500	3625	925	500	3100	1400	480	3600	330	2500	2400	3200	3-15	750	805	3.4
HYD-1800	4015	1025	500	3350	1550	575	3850	350	2600	2575	3450	3-15	900	10.5	3.5
HYD-2000	4115	1025	500	3240	1550	520	3600	450	2600	2620	3340	3-15	1000	10.5	3.6
HYD-2500	4125	1025	500	3500	1550	600	3900	430	2800	2800	3600	3-15	1250	10.5	3.8
HYD-3000	4235	1025	500	3800	1550	800	4100	430	2900	3050	3900	2-10	1500	10.5	4