SWH Series 3D Motion Mixer

This machine is applicable for mixing of powdery and granulate material in pharmaceutical, chemical foodstuff, ligh industry, electronic, mining and metallurgy, national defense industry and scientific research institutes.

This machine is composed of base, governor motor shaft, rotary connecting rod and barrel etc., material barrel is driven by the positive shaft to make complex movement including horizontal move, rotation and roiling etc, which makes the material moved to 3 directions along the barrel, therefore, highly uniform mixing of various material is realized. This machine is a kind of full closed high efficient energy saving mixer without germ and dust. When he material is being mixed, no centrifugal force effect and situation of gravity segregation and laminar accumulation are occurred. In addition, it has larger loading capacity, short mixing time and high efficiency.

Feature:

- The mixer is provided with three-dimensional movement so that the materials complete the process of mutual mixing from the agglomeration status to dispersion status under the actions of flowing, shearing, translational movement and dispersion, even mixing of materials is ensured and the evenness reaches 99.9%. In ordinary mixers, the materials only make simple dispersion and agglomeration movement in the vessel, which is featured by low efficiency and bad mixing quality.
- With short mixing time and high efficiency, the effective loading rate of the vessel reaches 80%. (The rate of ordinary mixers in only 40%.)
- The machine is low and does not have special requirements for plants, so that investment in basic construction is reduced.
- The mixing barrel and machine body driving part can adopt partition installation to meet GMP requirement.
- For the SYH-2 model mixer, mixing vessels of various shapes can be placed in the mixing barrel for mixing with convenient use.

- Stepless speed adjustment can be realized to facilitate material loading and unloading.
- It is featured by long service life and low noise.
- Vacuum feeding and lifting machine feeding are available.

Technical Parameters:

Model	Barrel volume	Max loading volume	Max loading weigh	Spindle speed	Motor power	Overall dimension	Weight
SWH-10	10L	7L	7kg	0-22r/min	0.18kw	640*620*55mm	150kg
SWH-25	25L	18L	18kg	0-15r/min	0.55kw	900*900*75mm	150kg
SWH-50	50L	40L	40kg	0-15r/min	0.75kw	970*950*120mm	300kg
SWH-100	100L	75L	75kg	0-15r/min	1.5kw	1200*1600*1500mm	500kg
SWH-200	200L	160L	160kg	0-15r/min	2.2kw	1400*1800*1600mm	800kg
SWH-400	400L	320L	320kg	0-12r/min	4kw	1700*2100*1850mm	1200kg
SWH-600	600L	480L	480kg	0-11r/min	5.5kw	2100*2400*2250mm	1500kg
SWH-800	800L	640L	640kg	0-10r/min	7.5kw	2200*2500*2300mm	2000kg
SWH-1000	1000L	800L	800kg	0-10r/min	7.5kw	2280*2600*2500mm	2500kg
SWH-1200	1200L	950L	950kg	0-10r/min	11kw	2400*2800*2550mm	2800kg
SWH-1500	1500L	1200L	1200kg	0-10r/min	15kw	2500*3100*2600mm	3000kg
SWH-2000	2000L	1600L	1600kg	0-9r/min	18.5kw	2800*3600*3200mm	3800kg