

Sigma Mixer SS-series



Vitro Pharma Machine provides Sigma Mixer which is used in operation for various applications like mixing, kneading, grinding, dispersion, drying etc. Sigma Mixers have application to process viscous to highly viscous material in various industries like Adhesives, Broke lining, Chemical, Confectionery, Carbon Black, Ceramic, Dyes & Pigments, Food Products, Fiber Glass, Grease, Lead Storage Battery, Memory Device Coatings, Paint, Polymers Plastic, Putties, Plastic, Pharmaceuticals, Printing ink, Resin, Rubber, Soap & Detergent etc.

Construction

SIGMA MIXER consists of "W" shaped container made of either Mild Steel or Stainless Steel 304 or 316 with the jacket of Carbon Steel covering two sides for heating or cooling application free cowl to induce Vacuum if desired or traditional cowl. The mixing components (Blades) are of Sigma type Steel casted and duly finished two in number which contra-rotate inward fitted at close or specified clearance with the container to give thorough and uniform mixing. There is a secreter pusher of Gun Metal Bush that ensures minimal friction and extends the life of combining components (Blades) Shaft.

Drive

The Drive consists of Motor type of TEFC Or TEFC Flameproof which is Specified HP.1 440 RPM, Reduction Gear Box of reputed make having suitable size and ratio, Spur Gears are also provided adequate size and having the machine cut teeth between the front and rear blade complete with guard suitable for grease lubrication.

Features

- Sigma Mixer is Mounted on Steel Fabricated stand of suitable strength to withstand the vibration and give noise free performance.
- Sigma Mixer container is either made of Stainless Steel or Mild Steel.
- The Sigma Mixer is the best-suited mixer for pasty, sticky and gritty slurries with high viscosities.
- In Sigma Mixer the mixed product can be easily discharged by tilting the container by hand lever manually either by a system of gears manually operated or motorized.

Standard Mixer - Desing Features

MODEL	CAPACITY - LTRS.		MOTOR HP
	WORKING	BRIM	
SS-01	10	15	1
SS-2.5	25	40	3
SS-5	50	80	5
SS-7.5	75	110	7.5
SS-10	100	150	10
SS-15	150	200	15
SS-20	200	300	20
SS-40	400	550	30
SS-50	500	750	40
SS-75	750	1150	50
SS-100	1000	1500	60
SS-150	1500	2100	75
SS-200	2000	2600	80
SS-300	3000	3800	100