

NAUTA MIXER



Siddhi Pharma Equipment

Mfg.& Exp. Of Plants & Machineries for Pharmaceuticals,
Cosmetics, Chemicals food & Beverage Industries

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Octagonal Blender :

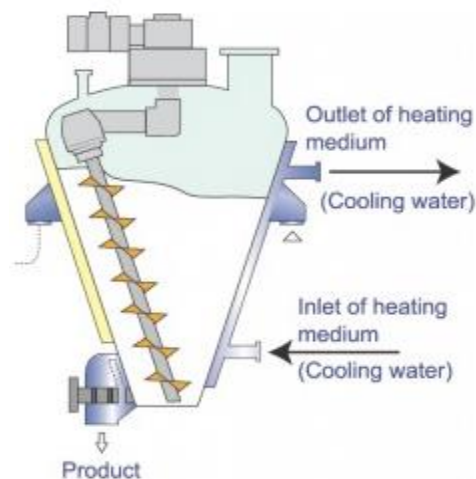
The **NAUTA CONICAL SCREW MIXER** is a batch mixer specially designed for segregate, free-flowing powders and pastes.

The Nauta conical screw mixer is famous for its low-intensity mixing and is a pioneer in mixing technology. It's especially suited for delicate products and processes where very accurate results are required and is synonymous with gentle mixing of large volumes

The Nauta conical screw mixer is a convective mixer with high mixing efficiency. It is gentle and guarantees the highest level of mixing accuracy without product distortion. The screw has an average speed of 70 rpm whilst the arm rotates at 1 to 2 rpm. The tip speed of the screw can fluctuate between 0.5 and 2 m/s, making it suitable for all ATEX zones.

The rotating cantilevered (free hanging) mixing screw conveys the product from bottom of the vessel to the product surface. The mixing screw is suspended from an orbital arm, which rotates the mixing screw along the conical inner vessel wall causing convective mixing of particles and shear.

The speed of particles in the downward mass flow when recirculated by gravity in a conical vessel increases as the vessel diameter decreases. The result of these simultaneous actions is a fast and intensive mixing with low consumption of power together with high standards of mixing accuracy.



Silent Features :

- Limited air tight part. Structurally, it has smaller airtight part.
- Easy discharge and less remaining product in the vessel.
- Conical casing with discharge port at the bottom. Product discharge is easy and less residue remaining.
- Easy to clean A simple machine structure with one screw inside a vessel allows for easy cleaning. This makes changing products easier and maintenance is also simplified.
- Simplifying processes A single machine can be used for mixing, drying, reaction and cooling on purpose.
- Sealing is free from the powder As the drive unit is located at the top of the machine, there is no need for seals to be in the powder bed. This prevents the seal from damage by wearing.

Advantageous \ Benefits :

- Good for free flowing powders/ granules.
- Mix from approximately 50 gram to over 100 kg
- Can be used to produced ordered mixes
- Used in the blending of lubricants, glidants or external disintergrants with granules prior tabling.

Technical Specification :

Capacity (LIT.)	Main Motor HP	Planetary Motor HP	Overall Dimensions (mm)		
			L	H	O H
100	3	NA	900	1030	1470
200	3	NA	1075	1320	1760
500	5	NA	1375	1765	2205
750	5	NA	1540	2035	2475
1000	7.5	1.5	1750	2310	2890
1500	7.5	1.5	1975	2656	3240
2000	10	2	2125	2810	3390
2500	10	2	2440	3295	4725
3000	12.5	2	2565	3485	4905
4000	15	3	2740	3755	5185
5000	15	3	2940	4065	5410
7500	20	3	3315	4640	5990

Single Source Provider for all your technical requirements.

One of the most important “Siddhi Pharma Equipment” guideline is to be closest to our Customers. We strive to create end-to-end solutions that meet our clients needs and their expectation.

Application :

- Pharmaceutical
- Food / Spices
- Chemical/ Dye / Herbal
- Cosmetics
- Allied Industry