

OCTAGONAL BLENDER

Mechanised transfer system with dust containment



CE

TAPASYA

Octagonal Blender, due to its octagonal shape is designed to process larger volume of material. It occupies less space compared to other similar blenders like 'V' and Double Cone. Power consumption is also less. The blending takes place at low speed during operation. It is well balanced even in higher capacities.

It is very useful for pharmaceutical industries wherein gentle blending of dry granules of powder is to be done. It is a slow speed blender and has removable type baffles mounted on a rectangular shell. The important feature of the machine is easy to wash in place.

Octagonal blender is supplied with a bin charging system or can be designed for vacuum charging. Dust free charging system is also incorporated, which is a completely closed system for charging and discharging of powders or granules. The power consumption is comparatively lower than other similar type of blenders.

The machine basically consists of shell welded with conical Octagonal shape ends and supported with sturdy supports on both side. The right hand side shaft is connected to a standard gearbox by means of chain and sprockets, which in turn is coupled to an electric motor. The whole drive assembly is covered with S.S. side panel. The inside portion of Octa body is mirror polished and the Outside surface of Octa body; frame & guards are matt polished.

The material to be mixed is charged in machine either manually from top or bin charging system or vacuum charging system and then the port is locked positively. Then blender is started to preset blending time. At the end of process, machine is stopped and the product is transferred to process containers by opening the butterfly valve.



APPLICATION

Dry powder mixing for tablets and capsules formulations

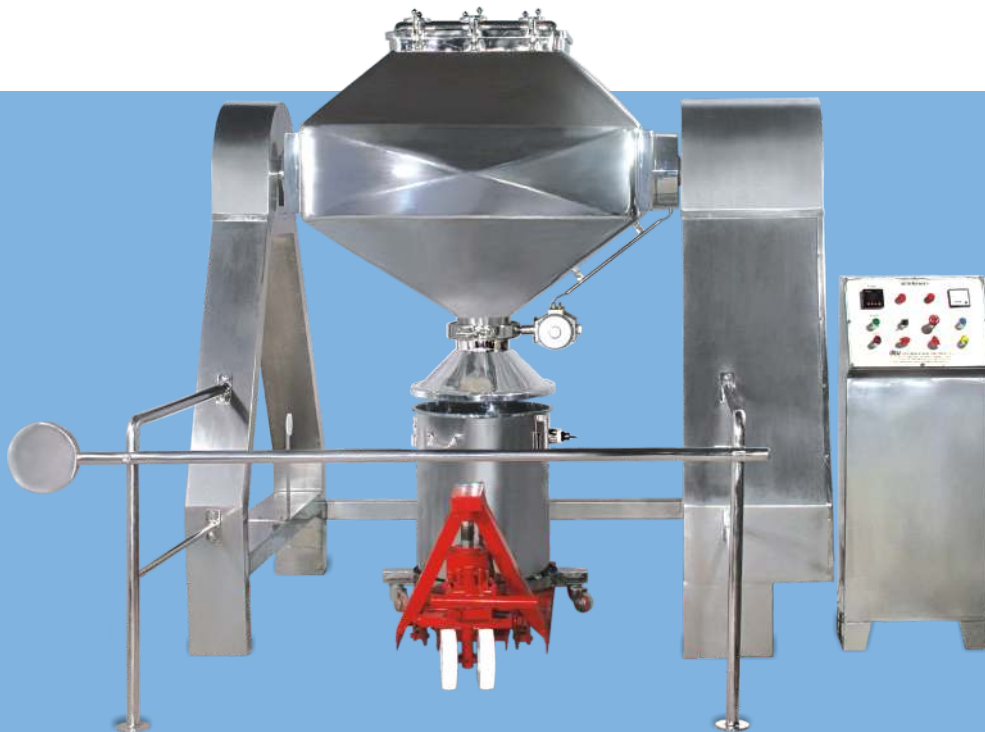
Dry granules sub lots mixing to increase the batch size at bulk lubrication stage of tablet granules.

SALIENT FEATURES

- Material handling in Octa Blender is through Bin charging or a Vacuum charging system
- Bin charging system ensures Dust free closed system for Charging and Discharging of Product
- Power consumption is relatively lower than other tumble blenders
- Capacities available from 1 L to 10000 L (Higher capacity upto 20000 L on demand)
- Slow speed Blender with Gentle blending of Dry granules
- Rectangular opening Lid with Removable Baffle mounted inside
- Over 1800 machines installed Worldwide
- Optional in built in Vacuum design. No external PTS required.
- Zero Jerk Load as machine is both dynamic and statically balanced.
- Totally enclosed.
- The baffles are eliminated with blending profile analysis available.
- Complete Design engineering along with the Extrapolation data available.
- Maintenance free design.
- Detailed torque calculation for the Bin; loading Model available.
- Pneumatically actuated valves for dust free transfers.
- Bins with Level sensory for automatic cut off.
- Mechanical Seals on shafts for Pneumatic connections.
- cGMP design for ease of cleaning.
- CE Certified.

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TECHNICAL SPECIFICATION

Model	Gross Cap in Liters	Working Cap in Liters	Overall Dimension L x W x H		RPM	HP
			with bin charging	without bin charging		
SAI-OBC-1	250	175	2000 x 1650 x 2800	2000x 1000 x 1800	4/8 8	3/5 1
SAI-OBC-2	500	350	2350 x 1900 x 3100	2350 x 1100 x 2100	4/8 8	5/7.5 2
SAI-OBC-3	750	500	2450 x 2250 x 3250	2450 x 1200 x 2250	4/8 8	5/7.5 5
SAI-OBC-4	1000	750	2600 x 2450 x 3400	2600 x 1400 x 2400	4/8 8	7.5/10 7.5
SAI-OBC-5	1500	1000	2800 x 2600 x 3600	2800 x 1600 x 2600	4/8 8	7.5/10 7.5
SAI-OBC-6	2000	1400	3000 x 2800 x 3650	3000 x 1800 x 2650	4/8 8	10/15 10
SAI-OBC-7	3000	2150	3175 x 2850 x 3800	3175 x 1850 x 2800	4/8 8	10/15 10
SAI-OBC-8	4000	2800	3200 x 2950 x 3900	3200 x 1950 x 2900	4/8 8	15/20 15



Specification and technical data are subject to change without prior notice



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