

Rapid Mixer Granulator DTRMG-series



The rapid mixer granulator is comprehensively designed to achieve perfect mixing and consistent granules at a lower cost with higher productivity. The higher speed granulator by us has efficient mixing and enclosed control of granule size that eventually leads to rapid tableting speeds with improvised quality and least pitfalls. RMG is made to use for the making of wet mass, which is thereafter milled by blades to transform into consistent granules. High shear mixer granulator is a complete and sophisticated composition of mixing bowls, mixing blades, granulator, pneumatic discharge, motor, gear box, operating and the control panel.

Process of Operation

The super mixer granulator works on basically two factors to perfectly blend and mix together the granules. Firstly, spinning close to the bottom of mixing bowl under which the rapid mixer granulator spins close to the bottom of mixing bowl. Secondly the impeller in the whole mixture goes in a whirling-rising-tumbling motion that ensures a rapid and smooth distribution of all the dry parts. The big lumps that are formed during the wet mixing get broken down by a chopping tool that rotates at 1440/2880 RPM. The mixture is thereby discharged with the help of impeller that runs through the outlet.

Characteristic features

- Specifically designed to meet the requirements of cGMP
- Comprehensive control panel configured with display system and timer
- All other contact and non contact parts are well furnished with stainless steel finish
- Components flexible for the cleaning purpose
- Pre-wired pneumatic and non pneumatic components for easier installation
- Discharge available on either side in accordance to the customer's needs

Technical Features

MODEL	DTRMG -50	DTRMG -100	DTRMG -150	DTRMG -250	DTRMG - 400	DTRMG -600	DTRMG -750	DTRMG - 1200
Gross Volume	50 Litre	100 Litre	150 Litre	250 Litre	400 Litre	600 Litre	750 Litre	1200 Litre
Working Volume	40 Litre	80 Litre	120 Litre	200 Litre	320 Litre	500 Litre	600 Litre	1000 Litre
Loading Capacity	20 Kg	40 Kg	60 Kg	100 Kg	160 Kg	250 kg	300 Kg	500 Kg
Main Motor HP	3 / 5	7.5 / 10	10 / 15	22.5 / 30	35 / 40	40 / 50	45 / 60	63 / 85
Chopper Motor HP	1.5 / 2	2 / 3	3 / 5	3 / 5	5 / 7.5	5 / 7.5	6 / 7.5	10 / 15