

Rapid Mixer Granulator

High Shear Mixer Granulator



RMG - With Left Side Discharge Valve ▶

Operation

Rapid Mixer Granulator is designed to achieve excellent mixing and consistent granules at lower operating cost along with higher productivity. Better mixing and closed control of granule size leads to faster tableting speeds with improved quality and least rejections.

Special Features

- Model available from 60 Liters to 1250 Liters capacity gross capacity.
- The gross capacity & working capacity in liters and working capacity in Kgs. are mentioned on next page.



◀ RMG - With Right Side Discharge Valve



Model	Gross Capacity In Litres	Working Capacity In Litres	Working Capacity In Kgs. At Bulk Density of Material 0.50 GMS/CC
RMG - 60	60	45	25
RMG - 100	100	80	40
RMG - 150	150	120	60
RMG - 250	250	200	100
RMG - 400	400	320	150
RMG - 600	600	480	240
RMG - 750	750	600	300
RMG - 1250	1250	1000	500

Special Features

- Homogeneous binder distribution.
- Short batch time and reduce cleaning time.
- Maximize CIP effectiveness.
- Air purge sealing system for main stirrer shaft and granulator shaft.
- All internal contact parts are polished to the mirror finish.
- PLC based operating panel for precise control of process & automation.
- A high-speed granulator is inserted horizontally through wall of bowl to assist blending of powder and to break the product to the granules of required size.
- The seal housing and drive shaft may be flushed with cleaning water, which is then drained away from the machine through built in drain tubes.
- Granulator motor is provided with a removable stainless steel shroud which covers the motor and simplify cleaning.
- All moving part of the machine are totally enclosed to eliminate accident.
- The machine can not be started unless and until the mixer cover is properly closed.
- All contact parts are made out of SS304. SS316 provided on demand on extra cost.
- Flush wall type discharge valve eliminates pockets at the port of discharge valve.

Optional Facility Available On Demand At Extra Cost

- Flameproof motors with flameproof operating panel.
- Discharge provided on left or right side (as per granulation room layout) to suit client's requirement.
- IPC LIFTER or VACUUM LOADING SYSTEM for dust free material charging.
- General Structure made out of completely from SS304 material instead of SS304 cladding on mild steel structure.
- Water jacketed product container with temperature sensor for product.
- A.C. Frequency Drive for speed variation of Main Motor & Granulator Motor.
- Pneumatic system for opening and closing of the top lid.
- Triclover ended connection on top cover for fitting of spray ball for inbuilt cleaning.
- Triclover ended connection on top cover for fitting of spray nozzle for spray of binders.
- Proxy for FBD bowl detection at discharge valve.
- Wet mill at discharge valve.
- Binder spray system.



▲ Container Top View



▲ Operating Panel

