



An ISO 9001:2008 Company



RAPID MIXER GRANULATOR

APPLICATION:

PHARMACEUTICALS

CHEMICALS

FOOD PRODUCTS



TECHNICAL:

Model	RMG 10	RMG 25	RMG 100	RMG 150	RMG 250	RMG 400	RMG 600
Gross - Ltrs.	10	25	100	150	250	400	600
Working - Ltrs.	8 LTRS	20 LTRS	80 LTRS	120 LTRS	200 LTRS	320 LTRS	480 LTRS
Main Motor - HP	2/3 HP	3/5 HP	7.5/10 HP	10/12.5HP	22/30 HP	30/40 HP	40/50 HP
Impeller Motor RPM	75/150	75/150	75/150	75/150	100/150	100/150	100/150
Chopper Motor -HP	1/1.5 HP	1/1.5 HP	2/3 HP	3/5 HP	3/5 HP	5/7.5HP	5/7.5HP
Chopper Motor RPM	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000
Weight - Kgs. -Approx.	425	650	1400	1600	2000	2500	3000
OVERALL DIMM.							
Length - mm	1450	1800	1900	2100	2150	2750	2850
Width - mm	600	1200	1300	1900	1900	2420	2530
Height - mm	950	1400	1450	1500	1650	1900	2070
Lid Open Height	1060	1600	2150	2300	2550	2950	3250

■ TECHNICAL SPECIFICATION FOR CAPACITY ABOVE 600 LTRS WILL BE AVAILABLE ON REQUEST.

SILENT FEATURES:

- Better productivity & short mixing granulation time.
- Uniform mixing & granulation.
- Bowl shape design to have no dead spaces.
- Less handling, more hygienic.
- Meets cGMP & FDA Norms.
- Contact parts are SS 316/316L.

DESCRIPTION:

The "Precikot" Rapid Mixer Granulator is designed to achieve in reducing processing time, more homogenous mixing consistent granules at lower operating cost and above all maintaining improved hygienic compliant to cGMP norm.

WORKING PRINCIPLE:

"PRECIKOT" Rapid Mixer Granulator working principles are based on two decisive factors essential for the intimate mixing system.

- Spinning close to bottom of mixing bowl.
- The impeller sets the entire mixture in whirling-rising tumbling motion ensuring a quick & even distribution of all dry components. This leads to an even distribution of all dry components & an even wetting of every granule. The large lumps occurred during wet mixing are broken up, by the strategically ated chopping tool rotating at 1440/2880 RPM.
- The mixture can be discharged with the impeller running through outlet located on the side of the mixing bowl flush to the bottom. Easy accessibility for cleaning is guaranteed by the low profile. The mixing tool is easily removed from the drive shaft providing an unobstructed mixing area which may be cleaned very easily.

MIXING BOWL & COVER:

- Dome shaped bowl, which directs loose particles into whirling motion with help of impeller.
- Inclination of the mixing blades accelerates rising and tumbling motion of the product.
- Especially design chopper blades driven at high speed gives fast & even granulation.
- For the easy accessibility in cleaning the side

CONTROL SYSTEM:

- Manual Control - Process Timer for Main Motor & Chopper.
AMP Meter for Main Motor of chopper.
On/Off Push Button.
- Auto Control - PLC based with touch Screen and password level to feed the parameter of process for Wet/Dry Granulation.
- Pre stored process parameter will help to achieve consistent product quality.
- MMI (Touch Screen) for visualization of machine of specific process condition and data.
- PLC indicates: Visualization of Machine process condition & date.
 - Alarm Signal
 - Fault Message
- SCADA package (optional)

OPTIONAL:

- Flame Proof Motors & operating panel.
- Jacketed bowl for heating & cooling.
- Binder solution adding/spraying device.
- Cleaning in place (CIP) in built.
- IPC Lifter or Vacuum loading system for dust free material charging.
- Variable frequency drive for speed variation.

DOCUMENTS & SERVICES:

A complete documentation support in terms of DQ/ IQ/ OQ/ FAT/ SAT.

We provide necessary support for installation commissioning and start-up of the machine at site.

CAPACITY:

Models available from 10Ltr to 800Ltrs.

PRECIKOT PHARMA PVT. LTD

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