

Rapid Mixer Granulator RMG **10/25/50/100/150/250/400/600/1000**



Rapid mixer granulator is a multi-purpose processor equally suitable for high speed dispersion of dry powders, aqueous or solvent granulation, and effervescent products and melt pelletization.

Wet granulation is a common step in the manufacture of many solid dosage pharmaceuticals. Wet granulation can be accomplished in a mixer granulator. A mechanical impeller moves the powder while a liquid binder is applied onto a moving powder bed. Addition of the liquid binder starts the formation of granules. The granulator also has a chopper.

Impeller and chopper are mainly responsible for wet granulation in the mixer granulator.

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.

Specification:

Model	RMG 10	RMG 25	RMG 50	RMG 100	RMG 150
Gross Volume in litres	10	25	50	100	150
Working Volume in litres	8	20	40	80	120
Main Motor in HP	2/3	3/5	3/5	7.5/10	10/15
RPM Dual speed	750 / 1500	750 / 1500	750 / 1500	750 / 1500	750 / 1500
Mixing speed RPM	75 / 150	75 / 150	75 / 150	75 / 150	75 / 150
Chopper motor HP	1/1.5	1/2	2/3	2/3	3/5
RPM Dual speed	1440 / 2880	1440 / 2880	1440 / 2880	1440 / 2880	1440 / 2880
Output speed RPM	1440 / 2880	1440 / 2880	1440 / 2880	1440 / 2880	1440 / 2880
Weight in Kgs.	200	900	1000	1400	1500
Length	1450	1440	1700	2350	2400
Width	600	700	750	1100	1430
Height	950	1310	1400	1750	2185
H-1	1060	1345	1600	1900	2280

Model	RMG 250	RMG 400	RMG 600	RMG 1000
Gross Volume in litres	250	400	600	1000
Working Volume in litres	200	320	480	800
Main Motor in HP	20 / 30	30 / 40	40 / 50	63 / 85
RPM Dual speed	750 / 1500	750 / 1500	750 / 1500	750 / 1500
Mixing speed RPM	75 / 150	75 / 150	75 / 150	75 / 150
Chopper motor HP	3/5	5/7.5	5/7.5	10/15
RPM Dual speed	1440 / 2880	1440 / 2880	1440 / 2880	1440 / 2880
Output speed RPM	1440 / 2880	1440 / 2880	1440 / 2880	1440 / 2880
Weight in Kgs.	1800	2000	2500	3500
Length	2550	2880	3100	3300
Width	2350	2450	2690	3150
Height	2050	2275	2510	3035
H-1	2585	2960	3250	3765