

SMG-10

Laboratory High Shear Granulator





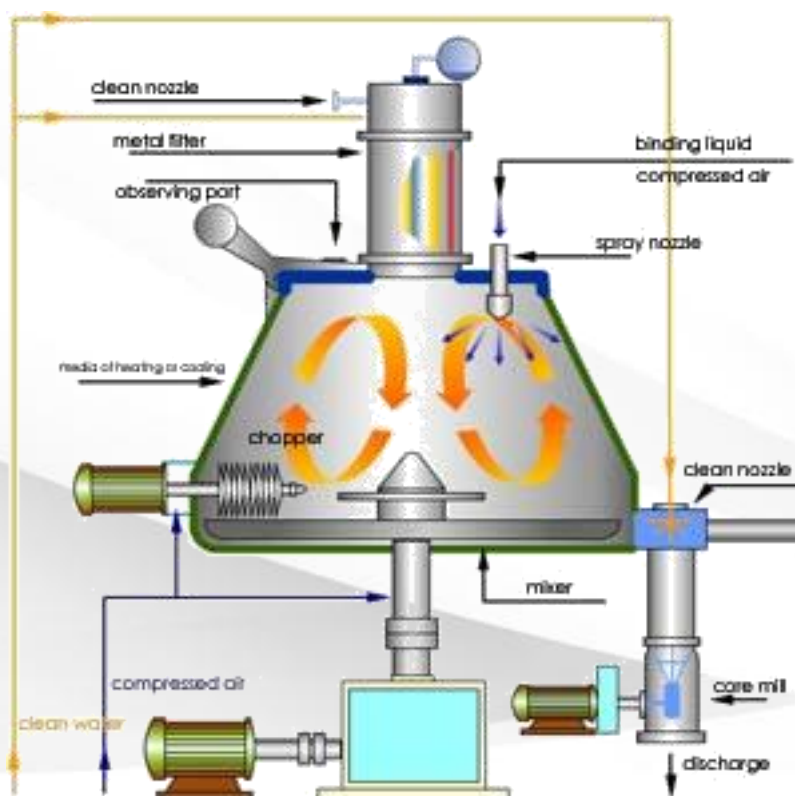
Laboratory High Shear Granulator

Control Functions

- Touch Screen
- Power On/Off
- Start Process with Timer
- Variable Speed Motor Controls
- Discharge Function

Model SMG-10 (Bottom Drive) :

- Bottom Drive Main Impeller/Side Mounted Multi-Bladed Chopper
- 10 Liter Total Volume Product Bowl
- GMP design for processing 1 to 3 kilos
- Spray Nozzle Assembly
- Type 316 Stainless Steel Product Contact Surfaces
- Pharmaceutical Finish
- Sanitary Clamps
- Liquid or Powder Addition Hopper
- Filter Housing with Metal Cartridge and Sanitary Clamp Connection
- Portable on 4 Casters
- Automatic Product Discharge Valve
- Sight Glass
- Counter-Weighted Sealed and Gasketed Lid
- Wash-In-Place
- Dimensions (43" L x 22" D x 42" H)
- Power requirements, 480V/110V, 3 ph, 60 Hz, 2.25 Kw, 4 bar air pressure
- Service and spare parts provided from our facility
- Technological expertise and testing for process optimization



High Shear Granulator

The unit has a working bench of stainless steel on castors for portability in the lab. It is compact and very useful for early development work.

Using engineering principles and current production technology, we designed this unit to be scalable to larger models. The shape of the bowl and a triple bladed main impeller with wing tips are key factors in scalability when operating the granulation process.



Technical Data	SMG-10		
Capacity	1.5 kilos to 3.5 kilos		
Voltage	460 V	3 Phase/Frequency	60Hz
Impeller Motor Power	1.5 Kw	Variable speed	50~960rpm
Chopper Motor Power	0.5 Kw	Variable speed	300~3600rpm
Compressed air for purging seals and discharge valve	4 bar	Consumption	0.2 m ³ /min
WIP Cleaning Water Flow Rate (intermittent)	10 PSIG	Consumption	0.2 m ³ /min
Noise	Less than 63 dB		
Dimension (L×D×H)	1100 × 540 × 1055 mm		
Net weight	160 Kg		

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