

Laboratory High Shear Granulator



Control Functions

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

Model MHS-10B (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



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MHS-10B Specifications

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

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.



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