

Hot Melt Extruder

Model No. VJHME-Labmini



TECHNICAL SPECIFICATIONS



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Application- Spheronizer

General

Hot Melt Extruder -These extruders are a modification of **screw extruders**. A carefully controlled heater, heat the barrel which conducts the heat to the product. The molten polymeric mass is extruded from the die plates

Application- Extruder

- Extruder gives mild compaction and is ideal for most of the Pharmaceutical formulation.
- Extruder consist of Hopper for loading of mass, Hopper as internal blades connected to gear to rotate and push material in a systematic manner in to the feed hopper of Extruder Chamber, Extrusion chamber is Jacketed with heating element from outside maintain temperature of the product in case the product is sensitive in nature.
- Extrusion chamber consist of single screw which transfer the material towards the pressing cam and out from the perforation of the screen of desired Shape.
- Extruder is available from R&D batches with minimum output of 100 gms.
- Extruder is GMP complied equipments with self standing Table Top Model for R&D scale which control operation with built in electrical panel for ease in maintenance.

Technical Specification - Extruder

Sr. No.	Specification	Details
1	Certificates	GMP, ISO, CE
2	Type	Single Screw
3	Production Capacity	2-6 kg/hr depends on formulation.
4	Single Hole diameter/Slit	Ø 1 mm standard / Slit 1mmX 5 mm Optional with addition Cost- Ø 0.5 mm Ø 0.6 mm Ø 0.8 mm Ø 1.2 mm Ø 1.5 mm
5	RPM of screw	10 to 150 rpm
6	Hopper Discharge	Auto discharge by gravity
7	Electric Accessories	230 V 1 Phase 50 Hz
8	MOC Contact Parts	SS 316
9	MOC Non-Contact Parts	SS 304
10	Hardware	Standard Make (Bearing shaft seal of SKF etc or equivalent)
11	Finish	Non Contact Area Matt Finish Contact area Matt Finish Machine part- Machine Finish
12	VFD Drive	Delta
13	Drive Motor	Siemens or equivalent
14	Reduction Gear Box	Siemens Gearbox
15	Documents	User Manual, Warranty Certificate.
16	Electric Consumption	1.5 kWh
17	Temperature Range	Ambient to 80 degree celsius
18	Sensor	PT 100
19	Accuracy	+/- 1 degree Celsius
20	Heater	1 Kw

21	Dimension (LXWXH) in mm	525 mm (L) X 305 mm (W) X 455 mm (H)
22	Weight	50 kg. (Approximately)

Note -

1. All the images displayed in the offer are for representation purpose only but actual may vary.
2. Dimension & weight may vary