



GS 1500 Vacuum Mixer

Product Information

Application:

The GS1500 vacuum mixer is designed to create solid surface material by evacuating air from the matrix during the blending process. Vacuum mixed materials can be fabricated to create seamless and durable products popular in today's kitchen and bath industry.

Description:

The GS1500 vacuum mixer includes the following features, heavy duty steel construction, stainless steel mixing pot with an approximate capacity of 325 lb., aluminum mixing vessel lid with replaceable seal, heavy duty contoured stainless steel mixing blade, and a vacuum pump that requires no oil. The GS1500 vacuum mixer is available in three phase, 50 or 60 hz.

Product Range:

111690	GS1500 vacuum mixer, 3Ø, 60hz	111095	M-60 SUB MICRO AIR FILTER
111699	GS1500 vacuum mixer, 3Ø, 50hz	111096	M-60 REPLACEMENT FILTER
111691	GS1500 stainless steel mixing vessel	1116925	GS1500 SHAFT SEAL
111692	GS1500 stainless steel mixing blade	1116927	GS1000/1500 VACUUM JAR
1116935	GS1500 pot lifter ring	0830915	GS1500 1/4X6X6 DELRIN PLT
111693	GS1500 pot lifter assembly	0830921	GS1500 SS SHAFT-MACHINED
111694	GS1500 pot lifter-no ring	0830934	GS1500 GASKET
111663	GS1000/1500 Pneumatic Spring	0838194	R.T.V.-"L" LID SEAL KIT



Equipment Requirements:

115V, 60hz mixers are equipped with power chord and plug for testing proposes only. 220V, 60hz and all 50hz models are equipped with a power chord only and would require a plug to match service outlet for testing purposes only. Mixers should be hardwired to an appropriate 30A circuit by a qualified electrician to meet your local electrical codes. Additional controls may be necessary to meet your local regulations. Any additional requirements needed to deem this equipment operational will be obtained by buyer at buyers expense.

Specifications:

Electrical controls:

- Vacuum pump and mixer drive motors are classified as U.L. and CSA explosion proof and are pre-wired to control switches that are rated for use in hazardous areas.

Power requirements:

- 60 hertz: 230/460V 3Ø
- 50 hertz: 220/380/440V 3Ø

Vacuum Pump:

- Rotary vane, fan cooled and oil-less. Separate drive motor base mounted and coupled to pump. Includes muffler, filter, vacuum relief valve and vacuum gauge.

Mixing vessel drive:

	60 hertz	50 hertz
• Input speed:	1725 rpm	1425 rpm
• Reduction ratio:	30 to 1	30 to 1
• Output speed:	57.5 rpm	47.5 rpm
• Output torque:	2466"lb/992cm.kg.	2985"lb/945cmkg
• Oil capacity:	1qt 6oz/1.514L	1qt

Vacuum pump performance:

- 60 hertz
- Metric-vacuum (mbar): Free air flow 10m3/h at 200 mbar
- U.S./Imperial-vacuum (inch-hg): Free air flow 6cfm at 24"hg
- 50 hertz
- Metric-vacuum (mbar): Free air flow 8 m3/h at 240 mbar
- U.S./Imperial-vacuum (inch-hg): Free air flow 5cfm at 23"hg

Mixing Vessel:

- Material:
 - Bottom - 10ga/3.4mm S.S. domed tank head.
 - Side - 16 ga/1.6mm S.S.
- Specifications:
 - Inside Dia. - 25 1/2"/648mm
 - Inside depth -22"/559mm
 - Mixing capacity -110/180 qt. Approx. 325lb. matrix
 - Shipping weight - 73lb/33kgs.
 - Shipping size - 32"x32"x24"/813mmx813mmx559mm

Mixing blade:

- Material: 1/2"/13mm x 3"/76mm S.S. contoured to mixing vessel with 1 5/8"/41mm i.d.x3/8"/10mm wall S.S. hub.
- Features: Quick release 3/8"/13mm dia. S.S. push button pin.
- Specifications:
 - Overall height - 21"/533mm
 - Overall width - 15"/ 381mm
 - Shipping weight - 18lb/8kg
 - Shipping size - 25"x19"x9"/635mmx483mmx229mm

Mixing Vessel Lid:

- Material: 3/4"/19mmx30"/762mm dia. aluminum plate.
- Features: Utilizes a replaceable L-RTV rubber seal for pot rim.



Molds and Process Control Equipment for Composites Manufacturing

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