

**NEW!** **MULTI VORTEX-GENIE®**  
Large Capacity Multi Vessel Vortex Mixer



**Vortex Anything and Everything that only a Vortex-Genie® can - Only More!**

- Same true vortexing as with the original Vortex-Genie® 2.
- Designed and built "Genie™" strong rugged and reliable.
- Holds multiple test tubes, vials, or cylinders of various sizes (racks included) or up to six 250mL vessels, or a combination of tubes and vessels such as Erlenmeyer flasks.
- Digital control and display of speed and time for reproducibility and accuracy, with true speed display.

*SPECIFICATIONS*

Supplied (Capacity)	Two 12-Pack Multi-Tube Racks holding up to 24 tubes of any material up to 29mm dia., or up to six 250mL vessels.
Speed	250-1000 RPM (up to 950 RPM for 50Hz models)
Vortexing Orbit	4mm dia. (Same as Vortex-Genie 2)
Timer	1-99 minutes or continuous
Dimensions (D x W x H)	310 x 270 x 195mm (12.2 x 10.6 x 7.7in)
Weight	11.3 Kg (25 lb)

*CATALOG NUMBERS*

120V, 60Hz	SI-M236
230V, 50Hz - No Plug	SI-M246
230V, 50Hz - European Plug	SI-M256
230V, 50Hz - British Plug	SI-M266
230V, 50Hz - Swiss Plug	SI-M276
230V, 50Hz - Australian Plug	SI-M296
100V, 50/60Hz	SI-M286



Home of the Multi-Task Genie™ Family



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# Vortex-Genie® Mixers



## Vortex-Genie® 1

- Violent single high-speed vortexing
- Easy-to-use Touch On operation
- Large, 6mm orbit for aggressive vortexing of difficult samples
- May be used with Pop-off Cup (shown) or optional 3-inch Platform
- Vortex-Genie quality at an even more economical price!

## Vortex-Genie® 2

- OUR MOST POPULAR MODEL
- Variable speed for precise mixing from gentle to vigorous
- Broad range of attachments for most tubes, plates and other containers
- Hands-Free or Touch On control
- May be used in cold rooms and incubators

### SPECIFICATIONS

Vortex-Genie Model	Vortex-Genie 1	Vortex-Genie 2
Supplied	Pop-off Cup	3-inch Platform, Pop-off Cup
Speed (RPM)	3200 (2700 for 50Hz models)	600-3200 (2700 for 50Hz models)
Timer - Touch On: Hands-Free:	N/A	N/A
Weight	4 Kg (8.8 lb)	4 Kg (8.8 lb)
Dimensions (base) (D x W x H)	165 x 122 x 165mm (6.5 x 4.8 x 6.5in)	165 x 122 x 165mm (6.5 x 4.8 x 6.5in)
CATALOG NUMBERS		
120V, 60Hz	SI-0136	SI-0236 (Model G560)
230V, 50Hz - No Plug	SI-0146	SI-0246 (Model G560E)
230V, 50Hz - European Plug	SI-0156	SI-0256 (Model G560E)
230V, 50Hz - British Plug	SI-0166	SI-0266 (Model G560E)
230V, 50Hz - Swiss Plug	SI-0176	SI-0276 (Model G560E)
230V, 50Hz - Australian Plug	SI-0196	SI-0297 (Model G560E)
100V, 50/60Hz	SI-0186	SI-0286

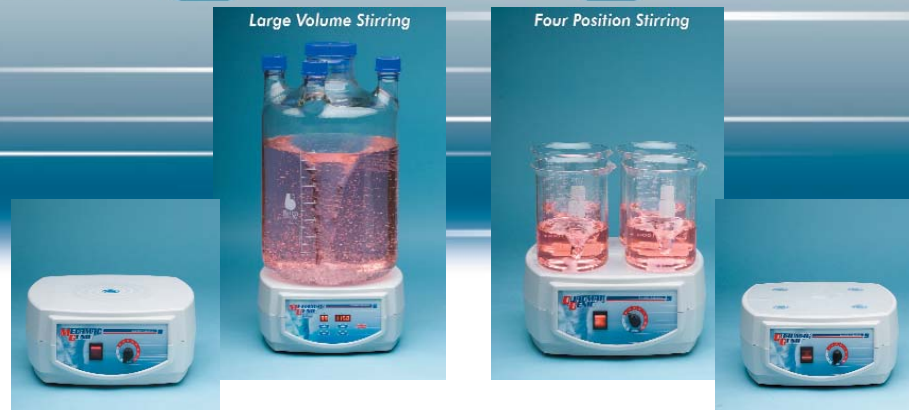
See page 3 for accessories.

# Magnetic Stirrers



Large Volume Stirring

Four Position Stirring



- Powerful "rare earth" magnets automatically pull stir bars into position and stay coupled even under the most demanding stirring conditions
- Rugged ABS/Polycarbonate housing and the famous Vortex-Genie® heavy-duty motor provide years of reliable service
- Non-skid feet
- Both analog control and digital feedback (true speed) versions are available for MegaMag Genie
- True Speed readout (RPM) with feedback control on digital version of the MegaMag Genie is adjustable in 10 RPM increments. Also includes adjustable digital timer
- Can be used in cold rooms and incubators

### SPECIFICATIONS

	MegaMag Genie / Digital MegaMag Genie	QuadMag Genie
Stirring Speed	200-1300 RPM	150-1500 RPM
Time	1-99 min or continuous (digital only)	N/A
Maximum Stirring Positions	1	4
Maximum Stirring Capacity	38 L	2 L each position
Stir Bar Maximum Length	7.6cm (3in)	5.1cm (2in)
Material	N/A	ABS/Polycarbonate Non-skid Top Pad (1)
Top Surface Dimensions (D x W x H)	305 x 305mm (12 x 12in)	305 x 305mm (12 x 12in)
Overall Dimensions (D x W x H)	310 x 305 x 130mm (12.25 x 12 x 5.1in)	310 x 305 x 130mm (12.25 x 12 x 5.1in)
Weight	3 Kg (6.6 lb)	3 Kg (6.6 lb)

### CATALOG NUMBERS

230V, 50Hz - Australian Plug	SI-2296 / SI-3296	SI-4296
230V, 50Hz - No Plug	SI-2246 / SI-3246	SI-4246
230V, 50Hz - European Plug	SI-2256 / SI-3256	SI-4256
230V, 50Hz - British Plug	SI-2266 / SI-3266	SI-4266
230V, 50Hz - Swiss Plug	SI-2276 / SI-3276	SI-4276



ETL Listed Conforms to UL Std. 3101-1  
ETL Listed Certified to CAN/CSA C22.2



## Magnetic Stirrers

# MAGSTIR & MULTIMAGSTIR GENIE®

Single Position Stirring



Four Position Stirring



### Programmable High/Low Speed Stirring

- High and low speed range including reverse and interval stirring for applications ranging from gentle stirring for cell culture to aggressive mixing for viscous polymers
- Three power levels are available for various sample viscosities
- Low-profile magnetic stirrers use microprocessor control for precise and reproducible operation without heat build-up from internal friction
- Manual mode provides stir, stir reverse, and time functions
- Profiles mode allows users to quickly program speed, ramp rate, stir direction, time (including pause), and power level in up to 9 distinct steps. Up to 4 stirring programs can be saved
- Automatic mode recalls and executes one of up to 4 user-defined profiles

#### SPECIFICATIONS

	MagStir Genie	MultiMagStir Genie
Stirring Speed	10-1800 RPM	10-1200 RPM
Time	1 second - 99 hours	1 second - 99 hours
Power Levels	Low, Medium, High	Low, Medium, High
Selectable Ramp Rates	5 - 300 rpm/sec	5 - 300rpm/sec
Memory	Up to 4 user-defined profiles	Up to 4 user-defined profiles
Maximum Capacity	5.0 Kg (11 lb)	10.0 Kg (22 lb)
Dimensions (D x W x H)	200 x 160 x 55mm (7.9 x 6.3 x 2.2in)	375 x 325 x 48mm (14.8 x 12.8 x 1.9in)
Weight	1.0 Kg (2.2 lb)	3.2 Kg (7.0 lb)
CATALOG NUMBERS		
230V - Australian Plug	SI-0306	SI-3006
230V - No Plug	SI-0301	SI-3001
230V - European/Swiss Plug	SI-0302	SI-3002
230V - British Plug	SI-0303	SI-3003

U.S. Pat. 6,962,433

ETL Listed Conforms to UL Std. 3101-1  
ETL Listed Certified to CAN/CSA C22.2

## Vortex-Genie® Mixers



Vortex-Genie® 2T

- Same great features as the Vortex-Genie 2 with an integrated timer
- Timer function:
  - Touch On: 1-60 seconds
  - Hands-Free: 1-60 minutes or continuous
- Unit automatically stops at the end of user-programmed time
- May be used in cold rooms and incubators

Digital Vortex-Genie® 2

- Same great features as the Vortex-Genie 2 with digital control and display of speed and time
- Digital display provides accuracy, reproducibility and repeatability
- Timer function:
  - Touch On: 1-99 seconds
  - Hands-Free: 1-99 minutes or continuous
- May be used in cold rooms and incubators

#### SPECIFICATIONS

Vortex-Genie Model	Vortex-Genie 2T	Digital Vortex-Genie 2
Supplied	3-inch Platform, Pop-off Cup	3-inch Platform, Pop-off Cup
Speed (RPM)	600-3200 (2700 for 50Hz models)	500-3000 (2850 for 50Hz models)
Timer - Touch On:	1-60 seconds	1-99 seconds
Hands-Free:	1-60 minutes or continuous	1-99 minutes or continuous
Weight	4 Kg (8.8 lb)	4 Kg (8.8 lb)
Dimensions (base) (D x W x H)	165 x 122 x 165mm (6.5 x 4.8 x 6.5in)	165 x 122 x 165mm (6.5 x 4.8 x 6.5in)

#### CATALOG NUMBERS

230V, 50Hz - Australian Plug	SI-T286	SI-A286
230V, 50Hz - No Plug	SI-T246	SI-A246
230V, 50Hz - European Plug	SI-T256	SI-A256
230V, 50Hz - British Plug	SI-T266	SI-A266
230V, 50Hz - Swiss Plug	SI-T276	SI-A276
See page 3 for accessories.		

# Vortex-Genie® Family Accessories

For use with Vortex-Genie 2, Vortex-Genie 2T and Digital Vortex-Genie 2

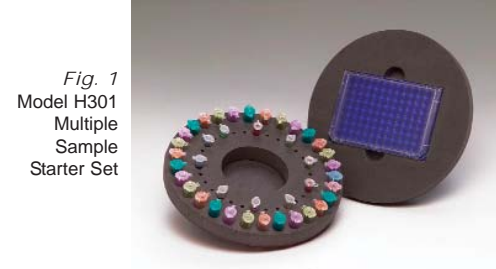


Fig. 1  
Model H301  
Multiple  
Sample  
Starter Set



Fig. 4  
Model H302  
Large  
Sample  
Set

Fig.	Cat. No.	Description	Fig.	Cat. No.	Description
1	504-0233-00	Model H301 Multiple Sample Starter Set	4	503-0282-00	Model H302 Large Sample Set
--	146-6005-00	6-inch Platform (not shown separately)	5	504-0039-00	Recessed Platform
2	504-0234-00	Microtube Foam Insert (2)	6	503-0278-00	9-16mm Tube Foam Inserts (2)
3	504-0235-00	Microplate Foam Insert (2)	7	503-0279-00	14-29mm Tube Foam Inserts (2)
11	146-3011-00	Pop-off Cup	8	503-0280-00	29-37mm Tube Foam Inserts (2)
12	0K-0500-902	3-inch Platform with Rubber Cover	9	503-0277-00	Blank Foam Inserts (2)
13	SI-0563	TurboMix™ Attachment, 1.5ml Tubes	--	503-0283-00	Assorted Foam Inserts (4)
--	SI-0562	TurboMix Attachment, 2.0ml Tubes (not shown)	10	568-0001-00	Elastic Bands (2)
--	0A-0563-010	1.5ml Microtube Holder* (not shown separately)	--	SI-0510	Two-Tier Microplate Foam Insert (not shown)
14	0A-0563-011	2.0ml Screw-cap Microtube Holder*	15	SI-0511	Large Ampule/Tube Attachment
			16	SI-0570	Small Ampule/Tube Attachment

\* May be used with TurboMix Attachment or Disruptor Genie®

# Rotator/Rocker/Stirrer and Temperature Control



**BENCHTOP REFRIGERATED INCUBATOR!**



- Chiller, incubator, rotator, rocker and stirrer in one compact unit
- Magnetic platform and various accessories securely hold almost any sample
- Optional 3-D orbital attachment transforms the unit into a temperature-controlled orbital platform shaker
- RS232 interface for data download and/or remote operation

### SPECIFICATIONS

Supplied	Magnetic Platform, 1 Clip Plate each for 10-13mm, 15-17mm, and 28-30mm Tubes, 4 Bag Mounting Strips, Non-Skid Tray, and Stackable Shelf
Rotating	1-35 RPM
Rocking / Rocking Angle	2-70 cycles per minute / ±10 degrees from horizontal
Stirring	1-2000 RPM including stir reverse
Platform Capacity	4.5 Kg (10 lb)
Temperature Range	4-75°C (39-167°F)
Accuracy / Uniformity	±0.2°C / ±0.5°C
Resolution / Stability	0.1°C / ±0.1°C
Chamber Dimensions (D x W x H)	254 x 362 x 260mm (10 x 14.25 x 10.25in)
Overall Dimensions (D x W x H)	495 x 622 x 368mm (19.5 x 24.5 x 14.5in) Depth with Rocker Tray - 305mm (12in)
Chamber Volume	24 L (0.86 ft³)
Weight	36 Kg (80 lb)

### CATALOG NUMBERS

120V, 60Hz	SI-1200
230V, 50Hz - No Plug	SI-1201
230V, 50Hz - European Plug	SI-1202
230V, 50Hz - British Plug	SI-1203
230V, 50Hz - Swiss Plug	SI-1204
230V, 50Hz - Australian Plug	SI-1206
100V, 50/60Hz	SI-1205



ETL Listed Conforms to UL Std. 3101-1  
ETL Listed Certified to CAN/CSA C22.2





Fig.	Cat. No.	Description
1	SI-1123	1 Clip Plate for 12 each 10-13mm tubes
2	SI-1124	1 Clip Plate for 6 each 15-17mm tubes
3	SI-1125	1 Clip Plate for 3 each 28-30mm tubes
4	SI-1120	6 Clip Plates for 12 each 10-13mm tubes
5	SI-1121	6 Clip Plates for 6 each 15-17mm tubes
6	SI-1122	6 Clip Plates for 3 each 28-30mm tubes
7	SI-1126	Bag Mounting Strips (pack of 16)
8	SI-1127	Expansion Kit - two stainless steel trays, 24 bag mounting strips
9	SI-1130	2 Clip Plates for Hybridization Tubes
10	SI-1131	1 Stackable Shelf for Enviro-Genie
--	SI-1132	Serial Cable for Enviro-Genie (picture not shown)
11	SI-1134	2 Universal Clip Plates
12	SI-1135	1 Magnetic Covered 100 Microtube Box
13	SI-1136	1 Clip Plate for 100ml Volumetric Flasks
14	0A-1100-070	Non-Skid Tray for Roto-Shake Genie
14	0A-1200-001	Non-Skid Tray for Enviro-Genie
15	SI-1150	3-D Orbital Shaker Attachment for Roto-Shake Genie
15	SI-1250	3-D Orbital Shaker Attachment for Enviro-Genie



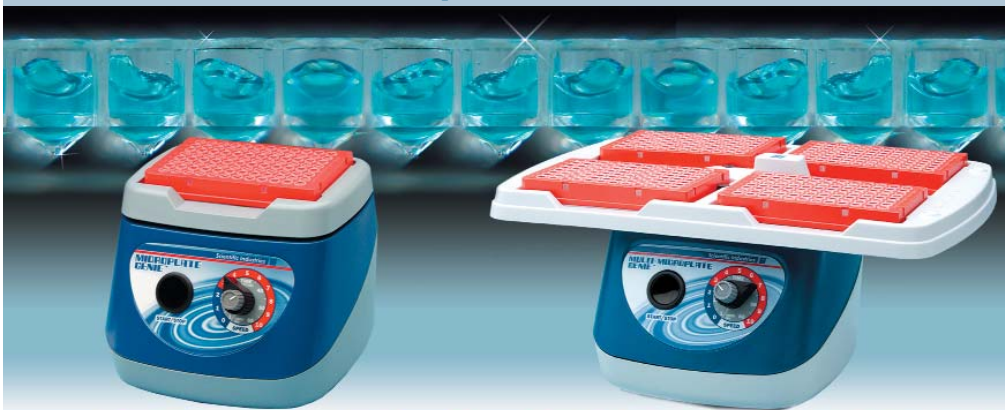
- ### Disruptor Genie®
- Rapid hands-free disruption of up to 12 microtubes (1.5ml or 2.0ml) at one time
  - Unique agitation, vortexing, and collision actions for cell disruption and sample resuspension
  - Maintains operating speed for up to 15 minutes, or continuous operation, even in cold rooms
  - Supplied Pop-off Cup easily attaches for use as a standard single-tube vortex mixer
  - Ideal for glass bead procedures using Disruptor Beads
  - Less costly than ultrasonic units or homogenizers

- ### Disruptor Beads®
- Spherical lead free soda lime glass beads are available in two sizes
  - Can be used for disruption of yeast, bacteria, and other samples
  - Used in combination with Disruptor Genie or TurboMix™ attachment for Vortex-Genie® 2, Vortex-Genie® 2T or Digital Vortex-Genie® 2

SPECIFICATIONS			
	Disruptor Genie 1.5ml	Disruptor Genie 2.0ml	Disruptor Beads
Supplied	1.5ml Microtube Holder (tubes not included) and Pop-off Cup	2.0ml Microtube Holder (tubes not included) and Pop-off Cup	0.1mm diameter beads for bacteria 0.5mm diameter beads for yeast
Dimensions (base) (D x W x H)	165 x 122 x 190mm (6.5 x 4.8 x 7.5in)	165 x 122 x 190mm (6.5 x 4.8 x 7.5in)	
Weight	4.3 Kg (9.5 lb)	4.3 Kg (9.5 lb)	375g (8 fl. oz.)
CATALOG NUMBERS			
120V, 60Hz	SI-D236	SI-D237	SI-BG01 (0.1mm)
230V, 50Hz - No Plug	SI-D246	SI-D247	SI-BG05 (0.5mm)
230V, 50Hz - European Plug	SI-D256	SI-D257	
230V, 50Hz - British Plug	SI-D266	SI-D267	
230V, 50Hz - Swiss Plug	SI-D276	SI-D277	
230V, 50Hz - Australian Plug	SI-D296	SI-D297	
100V, 50/60Hz	SI-D286	SI-D287	

U.S. Pats. 5,707,861  
4,781,487

## Microplate Mixers



### MICROPLATE GENIE® & MULTI-MICROPLATE GENIE®

- Small vortexing orbit of 1.0mm for thorough mixing regardless of sample viscosity
- High speed and small orbit combine to offer true vortexing action in each well of the microplate
- Accepts most microplate types within the recommendations of the Society for Biomolecular Screening (SBS), even in 384-well formats
- Multi-MicroPlate Genie may be used to shake up to 4 microplates. An optional accessory tray is available to double capacity to shake up to 8 microplates at one time
- Both models may be used in cold rooms and incubators for temperature sensitive applications
- Built-in timer operates from 1 - 60 minutes or continuous for hands-free use

#### SPECIFICATIONS

	MicroPlate Genie	Multi-MicroPlate Genie
Stirring Speed	750-3200 RPM (750-2700 RPM for 50Hz models)	750-3200 RPM (750-2700 RPM for 50Hz models)
Time	1-60 minutes or continuous	1-60 minutes or continuous
Vortexing Orbit	1.0mm diameter	1.0mm diameter
Maximum Capacity	1 microplate, any type with standard SBS footprint	4 microplates (8 microplates with optional tray)
Dimensions (D x W x H)	150 x 180 x 165mm (5.75 x 7.0 x 6.5in)	335 x 240 x 165mm (13.2 x 9.4 x 6.5in)
Weight	2.75kg (6.1lb)	3.7kg (8.1lb)

#### CATALOG NUMBERS

120V, 60Hz	SI-0400	SI-4000
230V, 50Hz - No Plug	SI-0401	SI-4001
230V, 50Hz - European Plug	SI-0402	SI-4002
230V, 50Hz - British Plug	SI-0403	SI-4003
230V, 50Hz - Swiss Plug	SI-0404	SI-4004
230V, 50Hz - Australian Plug	SI-0406	SI-4006
Multi-MicroPlate Accessory Tray	N/A	SI-4010

## Combination Rotator and Rocker



*Rotate, Rock, or 3-D Orbit Any Container!*

- Combines rotating and rocking in one compact unit
- Magnetic platform and various accessories securely hold almost any sample
- Optional 3-D orbital attachment transforms the unit into an orbital platform shaker
- A variety of attachments/accessories are available to provide maximum application versatility
- Maintains set speed between 0-38°C for use in cold rooms or incubators



#### SPECIFICATIONS

Supplied	Magnetic Platform, 1 Clip Plate each for 10-13mm, 15-17mm, and 28-30mm Tubes, 4 Bag Mounting Strips, and Non-Skid Tray
Rotating	5-35 RPM
Rocking	10-70 cycles per minute
Rocking Angle	±10 degrees from horizontal
Platform Capacity	4.5 Kg (10 lb)
Dimensions (D x W x H)	252 x 508 x 267mm (9.9 x 20 x 10.5in) Depth with Rocker Tray - 305mm (12in)
Weight	11.8 Kg (26 lb)
Temperature	0-38°C (32-100°F) 95% maximum relative humidity

#### CATALOG NUMBERS

120V, 60Hz	SI-1100
230V, 50Hz - No Plug	SI-1101
230V, 50Hz - European Plug	SI-1102
230V, 50Hz - British Plug	SI-1103
230V, 50Hz - Swiss Plug	SI-1104
230V, 50Hz - Australian Plug	SI-1106
100V, 50/60Hz	SI-1105