

SI-T246  
Analog+Timer



SI-A246+Optional H-302

Digital

(switch activated Start/Stop) Mode (SI-T246).

- **Reproducibility:** Vortexing time is constant, no matter the day or operator. Accuracy  $\pm 5\%$  (SI-T246).
- **Digital speed control and display:** Provides accuracy, reproducibility and repeatability (SI-A246).
- **Timer Function:** Touch on for 1-99 seconds. Hands-Free for 1-99 minutes or continuous (SI-A246).
- **Hands-Free or Touch:** A 3-position power switch operates with continuous action or "Touch On" control. With the true "Hands-Free" operation of continuous action, lab operators can greatly increase lab efficiency (SI-0246 & SI-T246).

SI-0246, Tube Head & 75mm Platform Head  
SI-T246, Include Timer 1~60 Min

**Features:**

• **Shaking or Vortexing**

**Action:**

Variable speed control allows slow speed shaking action up to high-speed vortexing.

In addition, each attachment is designed to produce different mixing actions, allowing users to choose the correct action for each application.

• **Multi-Task Versatility:**

A broad range of attachments of various shapes, sizes, and materials allows for mixing of almost all common tubes or containers for Hands-Free or Touch operation.

• **Does not walk:**

Tough metal housing combined with "just enough weight", provides a stable platform for all types of mixing.

• **Unmatched Reliability:**

Many years of proven performance in laboratories all over the world.

• **Timer Function:**

Both Touch and Hands-Free mode automatically turns unit off after set time.

Touch Mode: 1-60 seconds. Hands-Free (switch activated Start/Stop) Mode: 1-60 minutes or continuous mode (SI-T246).

• **Convenient:**

No need to watch the clock. Unit automatically stops at set time – in Touch Mode or Hands-Free



SI-0246

Analog

Optional:  
Tube holders  
H-302



**Tube inserts:**

Fits recessed platform. Accepts tubes from 10mm to 37mm diameter. Inserts hold 4 to 8 tubes, depending upon size.

Model	SI-0246	SI-T246	SI-A246
Supplied	3-inch Platform, Pop-off Cup		
Speed (RPM)	600-3200 (2700 for 50Hz models)	600-3200 (2700 for 50Hz models)	500-3000 (2850 for 50Hz models)
Timer – Touch On: Hands-Free:	N/A	1-60 seconds 1-60 minutes or continuous	1-99 seconds 1-99 minutes or continuous
Weight	4 Kg	4 Kg	4 Kg
Dimensions (base) (D x W x H)	165 x 122 x 165 mm	165 x 122 x 165 mm	165 x 122 x 165 mm

## SI-P246, Pulsing Vortex Mixer



SI-P246

- True pulsing action provides more collisions and random motion.
- For applications requiring more aggressive action than standard vortexing.
- Variable "RUN/STOP" time provides quick pulsing or interval mixing.
- Fully programmable "ON" and "REST" function reduces heat buildup within the vessel, while keeping materials in suspension. Ideal for heat sensitive samples.
- Use with all Vortex accessories.
- May also be used as a standard "continuous" Vortex Mixer.
- Digital control and display of speed, time, and "RUN/STOP" time, for reproducibility and accuracy, with true speed display.

Model	SI-P246
Supplied	3 inch Platform, Pop-off Cup
Speed	500-3000 (2850 for 50Hz models)
Timer - Hands Free	1-99 minutes or continuous
Pulse - ON/OFF	0.1 seconds - 99 minutes
Weight	4 Kg (8.8 lb)
Dimensions (base) (D x W x H)	165 x 122 x 165mm

## Accessories for MRC Vortex:

## H-302, Adaptor sets for tubes 10-37mm diameter, Bottles &amp; Flasks

The Large Sample Set (Model H302) can be used with Vortex SI-0246 mixer for beakers, flasks and large tubes. It consists of a Recessed Platform, 2 Elastic Bands, and an assortment of Foam Inserts for tubes of various diameters (10mm to 37.0mm). A Blank Foam Insert is also provided for user customizing.



H-302

## H-301, Adaptor sets for 5 &amp; 1.5 tubes &amp; microplate

The Multiple Sample Starter Set (Model H301) can be used with Vortex SI-0246 mixer and consists of a 6-in (152mm) Platform, Microtube Foam Insert and Microplate Foam Insert. Each insert fits snugly into the 6-in Platform attachment to accommodate either 60 microtubes or one standard footprint microplate, respectively.















H-301

Image	Model	Description
	146-6005-00	<b>6-Inch Platform:</b> The 6-inch (152mm) Platform can be used with the Vortex SI-0246 family of mixers in conjunction with either the Microtube Foam Insert (Part No. 504-0234-00), Microplate Foam Insert (Part No. 504-0235-00). The 6-inch Platform is included in the Multiple Sample Starter Set (Model H301).
	504-0234-00	<b>Microtube Foam Insert (2):</b> Two high-density foam inserts to accommodate up to 60 microtubes. This insert fits into the 6-in (152mm) Platform attachment (Part No. 146-6005-00) and one is included in the Multiple Sample Starter Set (Model H301) for use with the Vortex SI-0246 family of mixers.
	504-0235-00	<b>Microplate Foam Insert (2):</b> Two high-density foam inserts to accommodate one standard footprint microplate. This insert fits into the 6-in (152mm) Platform attachment (Part No. 146-6005-00) and one is included in the Multiple Sample Starter Set (Model H301) for use with the Vortex SI-0246 family of mixers.
	504-0039-00	<b>Recessed Platform:</b> The Recessed Platform can be used with the Vortex SI-0246 family of mixers in conjunction with either Foam Inserts (Part No. 503-0278-00, 503-0279-00, 503-0280-00, 503-0277-00) or Elastic Bands (Part No. 568-0001-00). The Recessed Platform is included in the Large Sample Set (Model H302).
	503-0278-00	<b>9-13mm Tube Foam Inserts (2):</b> Two high-density Foam Inserts to accommodate 9-16mm diameter tubes. The insert fits into the Recessed Platform (Part No. 504-0039-00) for use with the Vortex SI-0246 family of mixers. One insert is included in the Large Sample Set (Model H302).



Image	Model	Description
	503-0279-00	<b>14-29mm Tube Foam Inserts (2):</b> Two high-density Foam Inserts to accommodate 14-29mm diameter tubes. The insert fits into the Recessed Platform (Part No. 504-0039-00) for use with the Vortex SI-0246 family of mixers. One insert is included in the Large Sample Set (Model H302).
	503-0280-00	<b>29-37mm Tube Foam Inserts (2):</b> Two high-density Foam Inserts to accommodate 29-37mm diameter tubes. The insert fits into the Recessed Platform (Part No. 504-0039-00) for use with the Vortex SI-0246 family of mixers. One insert is included in the Large Sample Set (Model H302).
	503-0277-00	<b>Blank Foam Inserts (2):</b> Two high-density Foam Inserts are customized by the user for odd-shaped vessels. The insert fits into the Recessed Platform (Part No. 504-0039-00) for use with the Vortex SI-0246 family of mixers. One insert is included in the Large Sample Set (Model H302).
	503-0283-00	<b>Assorted Foam Inserts (4):</b> High-density Foam Inserts for each of the following: 9-16mm Tubes, 14-29mm Tubes, 29-37mm Tubes. A Blank Foam Insert is also included for user customization. Each insert fits into the Recessed Platform (Part No. 504-0039-00) and one of each is included in the Large Sample Set (Model H302) for use with the Vortex SI-0246 family of mixers.
	568-0001-00	<b>Elastic Bands (2):</b> Two Elastic Bands securely fasten various sample vessels to the Recessed Platform (Part No. 504-0039-00). Two bands are included in the Large Sample Set (Model H302) for use with the Vortex SI-0246 family of mixers. Sample vessels of up to 500ml can be used as well as microplates.
	146-3011-00	<b>Pop-Off Cup:</b> Plastic pop-off cup for mixing and vortexing in single tubes. The pop-off cup may be used on the Vortex SI-0146, Disruptor MRC and the Vortex SI-0246 family of mixers.
	0K-0500-902	<b>3-Inch Platform With Rubber Cover:</b> Plastic 3-inch (76mm) platform with rubber cover (consists of Part No. 580-2013-00) for mixing and vortexing in beakers, flasks and multiple tubes. The plastic 3-inch platform with rubber cover may be used on the Vortex SI-0246 family of mixers.
	580-2013-00	<b>Rubber Cover For 3-Inch Platform:</b> Replacement rubber cover for the 3-in (76mm) platform. This may be used on the Vortex SI-0246 family of mixers.
	SI-0564	<b>Turbomix Attachment:</b> The New and Improved patented TurboMix attachment permanently mounts to most existing Vortex SI-0246 family of mixers to provide extremely vigorous mixing of up to twelve 1.5ml or 2.0ml microtubes (snap-top or screw-cap) through a combination of vortexing and impact collision. This system is ideal for aggressive and rapid dissolution, resuspension or mixing of samples and is also convenient and effective for cell disruption in glass bead procedures.
	SI-0565	<b>Universal Microtube Holder:</b> New and Improved patented removable Microtube Holder for use with the TurboMix Attachment (Part No. SI-0564) on the Vortex SI-0246 family of products, and the Vortex SI-P246, as well as the Disruptor SI. Accepts 1.5ml or 2.0ml microtubes (snap-top or screw-cap).
	SI-0511	<b>Large Ampule/Tube Attachment:</b> The Large Ampule/Tube Attachment can be used with the Vortex SI-0246 family of mixers and provides vigorous end-to-end agitation combined with vortexing of up to four 10mm-17mm diameter tubes or ampules.
	SI-0570	<b>Small Ampule/Tube Attachment:</b> The Small Ampule/Tube Attachment can be used with the Vortex SI-0246 family of mixers and provides vigorous end-to-end agitation combined with vortexing of up to four 15mm-17mm diameter tubes or ampules.



Image	Model	Description
	SI-H506	<b>Horizontal 50ml Tube Holder:</b> Tube Holder holds six 50mL tubes horizontally. Holder snaps on to any Vortex SI-0246 mixer. No additional attachment necessary.
	SI-H512	<b>Horizontal 15ml Tube Holder:</b> Tube Holder holds twelve 15mL tubes horizontally. Holder snaps on to any Vortex SI-0246 mixer. No additional attachment necessary.
	SI-H524	<b>Horizontal Microtube Holder:</b> Tube Holder holds twenty-four microtubes horizontally. Holder snaps on to any Vortex SI-0246 mixer. No additional attachment necessary.
	SI-V203	<b>Vertical High Speed 50ml Tube Holder:</b> Tube Holder holds three 50mL tubes vertically. Holder snaps on to any Vortex SI-0246 Mixer. Optimized for high speed vortexing a small number of tubes. No additional attachment necessary.
	SI-V206	<b>Vertical High Speed 15ml Tube Holder:</b> Tube Holder holds six 15mL tubes vertically. Holder snaps on to any Vortex SI-0246 Mixer. Optimized for high speed vortexing a small number of tubes. No additional attachment necessary.
	SI-V209	<b>Vertical High Speed Microtube Holder:</b> Tube Holder holds nine microtubes vertically. Holder snaps on to any Vortex SI-0246 Mixer. Optimized for high speed vortexing a small number of tubes. No additional attachment necessary.
	SI-V506	<b>Vertical 50ml Tube Holder:</b> Tube Holder holds six 50mL tubes vertically. Holder snaps on to any Vortex SI-0246 mixer. No additional attachment necessary.
	SI-V512	<b>Vertical 15ml Tube Holder:</b> Tube Holder holds twelve 15mL tubes vertically. Holder snaps on to any Vortex SI-0246 mixer and the Vortex SI-P246. No additional attachment necessary.
	SI-V524	<b>Vertical Microtube Holder:</b> Tube Holder holds twenty-four microtubes vertically. Holder snaps on to any Vortex SI-0246 mixer. No additional attachment necessary.
	SI-V525	<b>Vertical 50ml, 15ml, Microtube Holder:</b> Tube Holder holds six 50mL, six 15mL and twelve microtubes vertically. Holder snaps on to any Vortex SI-0246 product. No additional attachment necessary.
	0K-0236-408	<b>Bottom Closure With Feet Kit:</b> This kit contains the Bottom Closure with Feet and (4) Screws. The Bottom Closure can be easily installed using either a 1/4" nut driver or pliers.
	0K-0236-900	<b>Shock Absorbing Feet (4):</b> Replacement rubber feet kit. This kit is an upgrade to the standard Vortex-SI rubber feet. These feet are made of shock absorbing Sorbothane™ rubber. Fits on all Vortex-SI mixers and Disruptor SI. Kit includes rubber feet plus four mounting screws, which can easily be mounted using a standard screwdriver.