

Repeatable. Reliable. Results.

Glas-Col, LLC
711 Hulman Street
PO Box 2128
Terre Haute, IN 47802-0128 USA
812.235.6167 (International)
800.GLASCOL (452.7265) (United States)
812.234.6975 fax
pinnacle@glascol.com
www.glascol.com



Repeatable.

Controls



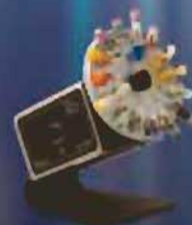
Homogenizing

Results.

Rotating



Evaporating



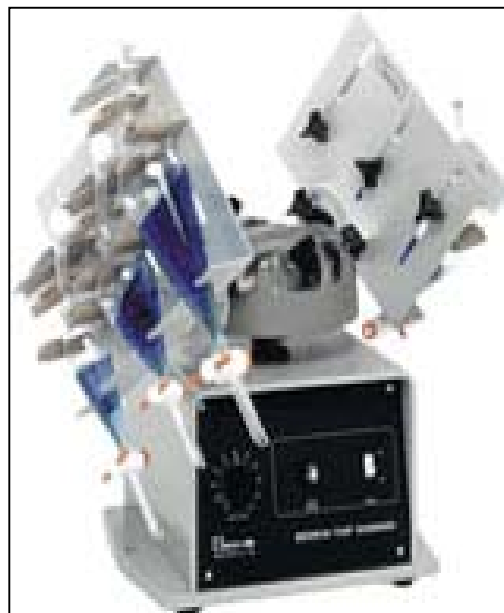
- Designed to accept a variety of holders to meet a wider range of shaking needs
- Motions designed to simulate shaking by hand
- Designed to reduce the handling of glassware for greater safety and cost saving

BENCH-TOP SHAKER

Reciprocating shaking and mixing with bench-top convenience. Glas-Col's Bench-Top Shaker is an adaptable, user-friendly shaker that is capable of many hours of continuous shaking and mixing.

The shaker:

- features a variable-speed motor that provides gentle, low-speed shaking to vigorous, high-speed shaking
- requires no load balancing
- features a built-in shaking head with easy-to-adjust knobs for quick loading
- will accept a variety of glassware holders for mixing and shaking
- may be placed inside a fume hood for added safety



Specifications

Maximum load weight capacity: 9.1kgs

Electrical: On/off switch separate from speed control, circuit breaker, 2.5 meter cord and CEE 7/7 plug

Electrical Rating: 1.5A, 50/60 Hz., 240V

Size: 33.0cm w x 25.4cm d x 29.9cm h

Catalog Number	Description	RPM	Product Weight (kgs)
099A S60024CE	Shaker Base	2-125	22.7

SEPARATORY FUNNEL HOLDER (up to 500 ml)

The funnel holder will accommodate up to three funnels at once, depending on size, and can hold funnels as large as 500 ml. You can mount one or two of these holders on the shaker base.

Just load the funnels with the stopcock down, adjust to the desired shaking position, and turn on the shaker. An easily adjusted yoke secures the funnel, and the stopper is held in place by a built-in elastic band.

If you're mixing materials that create pressure while being shaken, the pressure can be relieved automatically with the Snorkel Stopper, which is substituted for the regular stopper, and is held in place with the elastic band. It automatically relieves pressure over 0.5 psi.



Catalog Number	Description	Product Weight (kgs)
099A FR435SS	One, two, or three 60-250 ml funnels	1.5
099A FR600SS	Two 125-500 ml funnels	2.0

SEPARATORY FUNNEL HOLDER (1000 ml & larger)

The separatory funnel holder is designed to allow 1- or 2-liter separatory funnels to be held in the positions necessary for sample processing, but with minimum handling of fragile funnels.

From the upright, or fill, position the funnel may be rotated to the 45° or 60° position for shaking and then returned to the upright position for the addition of materials or extracting. The flask may remain in the holder during the entire cycle.

This holder requires the use of the Universal Mounting Platform (099A BT6000).

When using standard funnels with glass, plastic, or PTFE stoppers, our Stopper Retainer is required.



Requires 099A BT6000

Catalog Number	Description	Dimensions (cm)	Product Weight (kgs)
099A BT2000S	2-liter separatory funnel holder (099A BT6000 required)	31.75cm w x 24.1cm d x 3.9cm h	1.5
099A BT1000S	1-liter separatory funnel holder (099A BT6000 required)	28.58cm w x 24.1cm d x 3.9cm h	1.5
R80 258	Up to 1L stopper retainer		.2
R80 255	2L stopper retainer		.2

UNIVERSAL MOUNTING PLATFORM

The Universal Mounting Platform is required for mounting Series BT glassware holders. The Series BT holders install quickly atop the platform through pre-located mounting holes. Two locking knobs secure each holder in place. The platform will accept two holders.

It also provides a horizontal surface for the easy attachment of a wide variety of vessels that need to be shaken.

The Universal Mounting Platform is set conveniently on top of the shaker head and is held securely with three hand-tightened locking knobs.



Catalog Number	Description	Product Weight (kgs)
099A BT6000	Universal mounting platform	1.8

LARGE-FINGER CLAMP

Large finger clamps are available for use with the Bench-Top Shaker. They can hold various types of glassware up to 57 mm diameter. The clamps may also be adjusted to hold glassware at the most effective shaking angle. Sold individually.



Catalog Number	Description	Product Weight (kgs)
R96 344	Large-finger clamp, each	0.5

TEST TUBE RACK HOLDER

The test tube rack holder lets you shake one or two entire racks of test tubes at once. Even racks containing different size tubes can be shaken simultaneously. Racks are held in place by a restraining cover. This cover automatically releases and remains captive when retaining nuts are loosened for rack insertion or removal. Existing racks up to 30.5 x 12.7cm may be used with capped or stoppered tubes from 75 to 200mm long.



Catalog Number	Description	Dimensions	Product Weight (kgs)
099A TR700	Test tube rack holder	4.5cm h x 5.2cm w x 2.7cm d	1.5

ERLENMEYER FLASK HOLDER

Model 099A EF521 lets you shake one to four Erlenmeyer flasks at a time. It will work with uncapped flasks (for gentle shaking), or you can close them with screw caps or tapered stoppers. An elastic band automatically holds the stoppers in place. One or two flask holders can be shaken at once. A locking knob secures holder in optimum positions for both loading flasks and for effective shaking. While mounted on shaker, the holder can be rotated 180°. Each holder adjusts to accommodate three 500 ml flasks or four 125 or 250 ml flasks. A combination of flasks is possible, as well.



Catalog Number	Description	Dimensions	Product Weight (kgs)
099A EF521	Erlenmeyer flask holder	20.3cm h x 32.4cm w x 11.4cm d	2.5

CENTRIFUGE TUBE HOLDER

The centrifuge tube holder allows shaking vertically to let gases escape, or horizontally with stoppers secured by a plate. Each holder accommodates up to eight tubes. Up to three holders can be shaken at once. The total load may be up to 2.27 kgs and need not be balanced. If sizes other than those listed in the table are needed, call us with your requirements.



Catalog Number	Description	Dimensions	Product Weight (kgs)
099A SR815	15 ml glass centrifuge tubes Test tubes up to 16 mm dia. 126-160 mm long (stoppered)	22.9cm h x 16.5cm w x 17.2cm d	.6
099A SR850	50 ml glass centrifuge tubes Test tubes up to 28 mm dia. 140-180 mm long (stoppered)	22.9cm h x 16.5cm w x 17.2cm d	1.0

FAT-EXTRACTION TUBE HOLDER

This tube holder lets you use the Bench-Top Shaker for Mojonnier fat extraction. Each holder accepts up to four flasks, 37 mm in diameter.

Maximum of two holders can be shaken at one time. The load max of up to 2.27 kgs need not be balanced. Unstoppered flasks may be shaken vertically. For horizontal shaking, flasks should be stoppered and stoppers held with built-in restrainers.



Catalog Number	Description	Dimensions	Product Weight (kgs)
099A MFG3	Fat-extraction tube holder	22.2cm h x 33cm w x 11.4cm d	1.0

PLATFORM SHAKER

Because the versatile, variable-speed Platform Shaker can handle a variety of mixing applications, it's a great choice for any laboratory. The shaking action can range from a gentle rock to firm 3D shaking. Furnished with metallic rack and non-slip rubber pad.

Delivers results for the following applications:

- hybridizations
- DNA extraction
- immunoassays
- staining and destaining of gels
- mixing of blood samples
- reconstituting antibiotics

Specifications

Size: 33.0cm w x 25.4cm d x 29.9cm h
 Electrical Rating: 1.5A, 50/60Hz., 240V
 Electrical: On/off switch separate from speed control, circuit breaker, 2.5 meter cord and CEE 7/7 plug.
 Maximum load weight capacity: 9.1kgs



Catalog Number	Description	RPM	Product Weight (kgs)
099A TDS124CE	Platform shaker base	0-82	26.5
099A TDS100	Multi-tier platform		1.5

WS 180° SHAKER

This shaker efficiently agitates solid phase peptide synthesis flasks, small to medium. It is also useful for shaking culture flasks and for agitating hard-to-dissolve solids such as polymers. Rotation through 180° of arc effectively simulates shaking by hand. This shaker may be used with screw-cap top or side-arm flasks. It will shake two flasks simultaneously.

Two standard large finger laboratory clamps (included) hold glassware securely for shaft diameters up to 57 mm. Design of shaft bearing permits operation in a cold room or incubator. DC filtering allows the motor to run cooler and promotes longer motor life. Base configuration prevents "walking" on bench top.



Specifications

Electrical: On/Off switch, circuit breaker, 2.5 meter cord and CEE 7/7 plug.
 Electrical Rating: 1.5A, 50/60 Hz., 240V
 Size: 35.6cm w x 16.5cm d x 17.8cm h.
 Maximum load weight capacity: 1.5kgs per side

Catalog Number	Description	RPM	Product Weight (kgs)
099A WS18024CE	180° shaker with two large finger clamps.	2-30	11.5