

Two-Speed Laboratory Blenders

No confusing settings—easy push-button operation

- Make easy work out of routine blending—speeds from 18,000 to 22,000 RPM
- Don't over blend with optional 3-minute timer that provides auto shutoff



Container material	rpm	Motor type	Power		Catalog number	Price
			VAC	Hz		
Two-speed blenders; 1L						
Glass SS	18,000; 22,000	Standard	120	50/60	GY-04242-10 GY-04241-10	
Glass SS	18,000; 22,000	Standard	240	50/60	GY-04242-11 GY-04241-11	
Glass SS	18,000; 22,000	Heavy-duty	120	50/60	GY-04241-20 GY-04241-22	
Two-speed blenders with 3-min timer; 1L						
Glass SS	18,000; 22,000	Standard	120	50/60	GY-04245-30 GY-04245-20	
Glass SS	18,000; 22,000	Standard	240	50/60	GY-04245-31 GY-04245-21	
Glass SS	18,000; 22,000	Heavy-duty	120	50/60	GY-04245-40 GY-04245-42	

SS Mini Containers for all one-liter blenders on this page (includes lid).

Capacity	Catalog number	Price
Containers		
12 to 37 mL	GY-04248-10	
37 to 110 mL	GY-04248-20	
50 to 250 mL	GY-04248-30	
Replacement PVC lids		
12 to 37 mL	GY-04248-12	
37 to 110 mL	GY-04248-22	
50 to 250 mL	GY-04248-32	

Accessories

[GY-04246-52](#) Variable-speed controller, adjust speed from 1000 to the maximum speed, 120 VAC

04241-10



Variable-Speed Laboratory Blenders

Get better sample processing

The seven-speed, 1-L blenders feature push-button, SCR control that provides speeds from 6800 to 25,000 rpm. The variable-speed blenders provide smooth, adjustable speed control from 0 to 22,000 rpm; easily adjust at any speed for your mixing, stirring, blending, or homogenizing applications.

Container material	rpm	Power		Catalog number	Price
		VAC	Hz		
Glass SS	6800 to 25,000 (7 preset speeds)	120	50/60	GY-04244-85 GY-04244-75	
Glass SS	1000 to 22,000 (variable)	120	60	GY-04245-60 GY-04245-62	

04244-75



Containers (include a cover and blades)

Description	Capacity	Catalog number	Price
Glass container with handles and 2-piece lid	1 L	GY-04243-01	
SS container with handles and 2-piece lid	1 L	GY-04243-02	
SS container and base with snap tight PVC lid	10 to 75 g	GY-04243-22	
SS container with one piece lid; no handles	1 L	GY-04243-23	
Polypropylene container with screw cap	500 mL	GY-04243-25	
Glass container with metal screw cap	30 to 250 mL	GY-04243-28	
SS container with screw cap	75 to 500 mL	GY-04243-29	
SS microcontainer with screw cap	3 to 20 mL	GY-04243-30	

Four-Liter Laboratory Blenders

No need to split up batches—process up to 4 liters

This four-liter blender has two handles to ease lifting, pouring, and carrying. Processes liquids at 15,800, 18,000, or 20,800 rpm and pulse. The easy-to-clean membrane control panel features five settings: Off, Low, Medium, High, and Pulse.



Container material	rpm	Power		Catalog number	Price
		VAC	Hz		
SS	15,800; 18,000; 20,800	120	60	GY-04240-01	

[GY-04240-55](#) Replacement container, SS

[GY-04240-60](#) Cool base container, SS. Allows water cooling, via a jacketed base, during extended use; does not include lid or cover gasket

[GY-04248-10](#) Mini container, 12 to 37 mL

[GY-04248-20](#) Mini container, 37 to 110 mL

[GY-04248-30](#) Mini container, 50 to 250 mL





Blender 04242-92 with membrane keypad and polycarbonate container

Blender 04242-95 with two-speed toggle switch and glass container

Light-Duty Blenders

Stays put—won't wander on your lab bench

- Polycarbonate, stainless steel, and glass containers
- Powerful motor blends and homogenizes laboratory specimens
- Easy-to-read English and metric graduations

Choose from electronic membrane keypad or simple, two-speed toggle switch operation. Blenders with membrane keypad offer easy cleaning after common laboratory spills, and feature high, low, off, and pulse controls. Blenders with toggle switch operation simplify repetitive blending and homogenization of routine laboratory specimens. Durable motor housing and removable blade assembly are easy to clean after use.

What's included: container and blade assembly, and US standard plug.



Color	Container material	Capacity	Power		Catalog number	Price
			VAC	Hz		
Light-duty blenders with electronic membrane keypad						
Black	Polycarbonate	1.3 L	120	50/60	GY-04242-92	
Black	SS	1 L			GY-04242-93	
Light-duty blenders with two-speed toggle switch						
Chrome	Glass	1.2 L	120	50/60	GY-04242-95	
Black					GY-04242-96	



Two-Liter Laboratory Blenders

Designed to provide long service life

- Sealed, precision sleeve bearing system extends the life of the blenders
- Process up to 2 liters of sample in seconds

What's included: a stainless steel (SS) or polycarbonate (PC) 2-L container, cover, and heavy-duty motor and blades. The 120 VAC models include 6-ft (1.8-m) cord with plug; 240 VAC models come with 6-ft (1.8-m) cord only.



Container material	rpm	Agency approval	Power		Catalog number	Price
			VAC	Hz		
SS	20,000; 24,000	UL-listed CSA-certified	120	50/60	GY-04254-00	
SS PC	16,500; 20,000	—	240	50/60	GY-04254-02 GY-04254-32	

[GY-04254-60](#) Replacement container, SS
[GY-04254-63](#) Replacement blade assembly



Explosion-Proof Laboratory Blenders

Safely mix volatile substances

One-Liter Blender base is UL-listed for use in Class 1, Group D hazardous locations; requires explosion-proof switch 04257-60 and 1-liter stainless steel container 04257-70 (sold separately below).

Four-Liter Blenders feature a 1.5-hp explosion-proof motor with automatic reset thermal protection. The motor is UL-approved for Class I, Group D and Class II, Group E and F environments. Container and blade sold separately below.

Capacity	rpm	Power		Shpg wt lb (kg)	Catalog number	Price
		VAC	Hz			
1 L	18,500	115	50/60	20 (9.1)	GY-04257-50	
		240	50/60	21 (9.6)	GY-04257-55	
4 L	11,500	115/230	60	124 (56.3)	GY-04253-00	
	1150 to 11,500	115/230	50/60	124 (56.3)	GY-04253-10	

[GY-04257-60](#) Explosion-proof switch for 1-L hazardous-location motor bases
[GY-04257-70](#) Stainless steel container and blade for 1-L hazardous-location motor bases
[GY-04249-00](#) Replacement blade assembly for 1-L blender
[GY-04240-80](#) Container and blade for 4-L explosion-proof blenders
[GY-04240-70](#) Replacement blade for 4-L blenders

Paddle Lab Blenders

Eliminate cross-contamination

- Adjustable paddle ensures quick and sterile blending of samples
- Automatically filter sample prior to analysis with filter bag
- Easy-to-clean stainless steel chamber and exterior
- Get proper homogenization of your sample with adjustable timer

Stainless steel chamber and fully opening door offer easy access for cleaning. Models 36850-09 and 36850-13 feature the Click and Clean® system with adjustable and removable paddles for even easier cleaning.

Starter kit includes: paddle blender, 1500 blending bags, 50 bag clips, 1 bag holder, and bag rack.

Classic kit includes: paddle blender, 2000 blending bags, 50 bag clips, 1 bag holder and bag rack, petri dish storage rack, pipettor, and disinfecting wipes.



Click and Clean® paddle blender

Specifications

Power: 110/220 VAC, 50/60 Hz



Description	Capacity	Blending speed	Dimensions (W x H x D)	Catalog number	Price
MiniMix Click and Clean® paddle blender, window door	5 to 80 mL	Variable, 3 to 12 strokes/sec.	8" x 8" x 14½" (20.3 x 20.3 x 36.8 cm)	GY-36850-09	
Standard paddle blender, solid door	50 to 400 mL	Fixed, 8 strokes/sec.	11" x 10" x 15" (27.9 x 25.4 x 38.1 cm)	GY-36850-10	
Standard Click and Clean® paddle blender, window door	50 to 400 mL	Variable, 4 to 10 strokes/sec.	11" x 10" x 17" (27.9 x 25.4 x 43.2 cm)	GY-36850-13	
Jumbo Mix paddle blender, solid door	200 to 2000 mL	Variable, 1.5 to 6 strokes/sec.	18" x 20" x 18" (45.7 x 50.8 x 45.7 cm)	GY-36850-14	
Jumbo Mix Standard paddle blender, window door	200 to 2000 mL	Variable, 1.5 to 6 strokes/sec.	18" x 20" x 18" (45.7 x 50.8 x 45.7 cm)	GY-36850-15	

Sterile Blender Bags

Description	Nominal volume	Qty/ cs	Catalog number	Price
Page filter bag	100	500	GY-36850-25	
Page filter bag	400	500	GY-36840-56	
Lateral filter bag	400	500	GY-36850-22	
Plain bag without filter	400	1000	GY-36840-62	
Page filter bag	3500	100	GY-36850-30	
Lateral filter bag	3500	100	GY-36850-23	

BagMixer Accessories

Description	Qty	Catalog number	Price
BagClip 400—for 400 mL bags	50	GY-36850-46	
BagClip 3500—for 3500 mL bags	50	GY-36850-47	
BagRack 400—holds ten 400 mL blending bags	1	GY-36850-43	

Laboratory Blenders

Stop cleaning between samples

- Blend and homogenize within sealed processing bags—simply discard bags after use
- Small footprint offers convenient placement on your lab bench
- Paddle design processes materials that cannot be handled by conventional lab blenders

The unique acting Stomacher uses paddles to homogenize samples through a combination of crushing and stirring forces. Gamma-irradiated sterile disposable bags allow you to homogenize and transport samples without changing containers or handling sterile samples.

Stomacher 80 Biomaster is the smallest paddle blender on the market—it can fit into safety cabinets to reduce your exposure to hazardous materials. Three time settings plus continuous cycle help processes sample volumes from 5 to 80 mL.

Stomacher 400C processes larger sample volumes from 80 to 400 mL. One-touch user-programmable time, three paddle speeds, and “hands-free” auto-run.



Stomacher 400c



Description	Capacity	Timer	Power (VAC)	Catalog number	Price
Stomacher 80 Biomaster	5 to 80 mL	30 to 120 seconds	110	GY-36850-00	
			220	GY-36850-02	
Stomacher 400C	80 to 400 mL	Adjustable	110	GY-36850-04	
			220	GY-36850-06	

Stomacher Blending Bags (at right)

High-grade, durable 70-micron-thick polyethylene bags will not tear during processing and can be heat sealed. Sterile; gamma irradiated. Choose bags with filter when processing gritty samples that might cause pipette blockage.

For use with	Description	Capacity	Catalog number	Qty	Price/qty
Stomacher 80 Biomaster	Square-bottom bag	250 µL to 80 L	GY-36850-91	2000	
	Square-bottom bag with filter	250 µL to 80 L	GY-36860-00	200	
Stomacher 400C	Square-bottom bag	80 to 400 mL	GY-36850-97	500	
	Round-bottom bag	80 to 400 mL	GY-36850-93	500	
	Round-bottom bag with filter	80 to 400 mL	GY-36860-01	200	
	Bag rack	Holds 1 bag	GY-36860-03	1	
Both models	Bag clips	—	GY-36860-04	200	