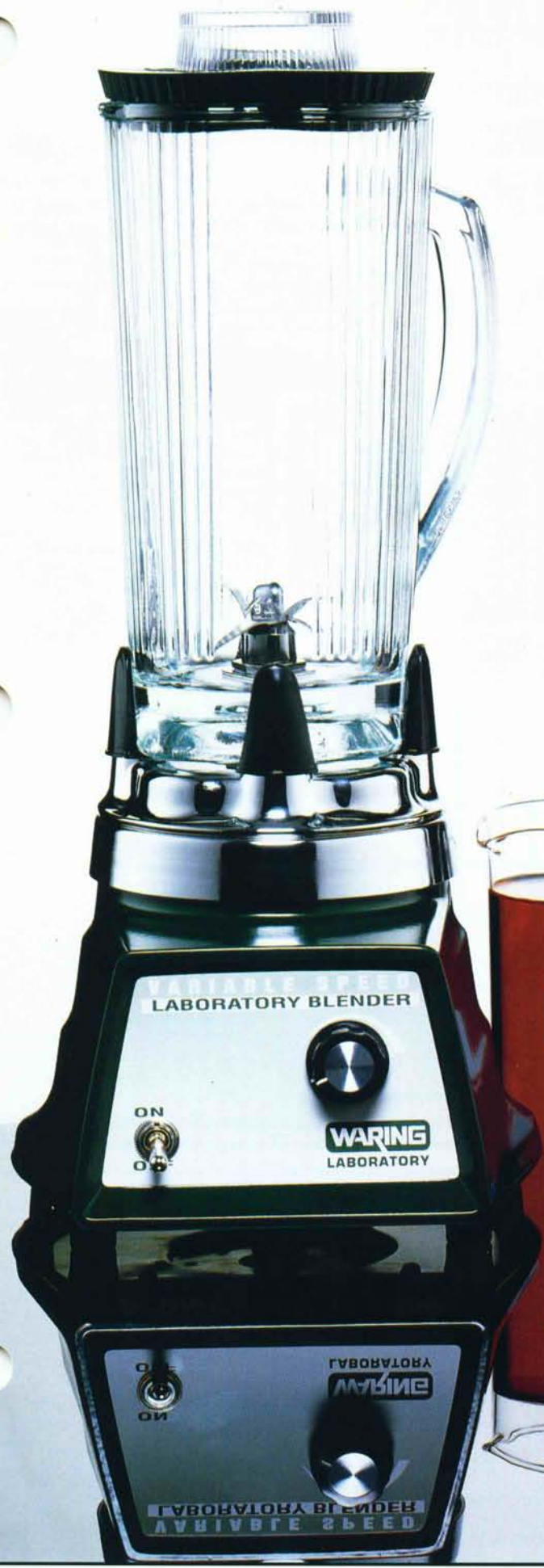
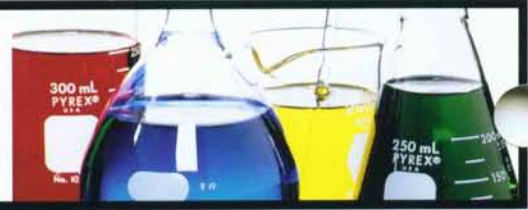


WARING
LABORATORY SCIENCE®

INTERNATIONAL CATALOG



4 Litre Laboratory Blender and Accessories



The Standard in Handling. Waring provides two handles for safer, easier lifting, pouring and carrying.

The Standard in Long Service Life. Waring's sealed, precision, hi-tech ball bearing system extends the life of our blenders.

The Standard in Design and Control. Ergonomic chassis design makes the unit easier to lift and clean. Control panel with Pulse Mode provides precision operation.

The Standard in Quiet Operation. Waring encases its industry-leading 3.75-HP motor for quiet operation.

The Standard in Stability. Deeper, wider, full traction rubber non-skid feet keep the blender stable.

24CB10C
Four Litre
Laboratory Blender



2610T
Four Litre
Temperature Control Coil
•Stainless steel coil for use with 2610C or standard 4 litre CAC70 containers
•Water circulated through helical coil cools media being processed
•Comes complete with cover and gasket



2610F
Four Litre
Foam Arrestor
•Adjustable baffle used to reduce foam in media
•For use with 2610C or standard 4 litre CAC70 containers
•Comes complete with cover and gasket



2610C
Four Litre Cool Base Container
•Four litre stainless steel container with jacketed base, allowing for water cooling of bearing during extended operation periods
•Unit does not include lid or cover gasket

CAC72 Four Litre Container
•Four litre stainless steel container with two handles and polycarbonate lid



CBL10
Hot Blending Lid
•Polycarbonate Hot Blending Lid for 4 litre blender

AD1
Four Litre Adapter
•Allows use of one litre and smaller containers on four litre motor units (See page 7 for containers)

Please note that container assemblies are not autoclavable in normal configuration, as washers and seals will eventually break down. Two piece lids are also not autoclavable.

Technical Data	Four Litre Blenders
Capacity:	4 litres
Switch Settings:	Off-Lo-Med-Hi-Pulse
RPM:	16,800 - 18,800 - 21,500 - 21,500
Rating:	230 volts - 50/60Hz - single phase - AC - 7.5 Amps
Base:	Die cast gray epoxy coating
Container:	Stainless steel with stainless steel blades - stainless steel clamp on lid with rubber gasket and stopper
Bearing:	High performance ball bearings
Cord:	7 foot (213 cm) 14 gauge three conductor grounded cord
Overall Height:	22.25 Inches (56.5 cm)
Weight:	Net shipping weight 38 lbs. (17.24k)
Listings:	UL, NSF, CE

Catalog Number	Description
24CB10C	4 litre blender, polycarbonate lid, 230 volt
24CB9EC	4 litre blender, polycarbonate lid, 230 volt, CE certified
2610T	4 litre temperature control coil
2610F	4 litre foam arrestor
2610C	4 litre cool base container
CAC70	2 handle 4 litre container, stainless steel lid
CAC72	2 handle 4 litre container, polycarbonate lid
CBL10	Hot blending lid, polycarbonate
013469	Stainless steel lid for 4 litre blender containers
AD1	Four litre adapter
501697	Blade assembly with carbon bearing & neoprene seals for 4 litre blenders

2 Litre Laboratory Blender and Accessories

Mid-size Blender Convenience. Waring offers a blender specifically designed to process up to two litres of free-flowing material with high liquid content.

Big Blender Toughness. Powerful, 2-speed, 1-HP motor will emulsify, homogenize, grind, shred, disintegrate and mix a wide spectrum of materials in seconds.

HGB550
Two Litre
Laboratory Blender



SS810 Two Litre S.S. Container

- Two litre stainless steel container and handle
- One-piece stainless steel lid & knob
- Fits all two litre Waring laboratory blenders

CAC31 Two Litre S.S. Container

- Two litre stainless steel container and handle
- Two-piece lid
- Fits all two litre Waring laboratory blenders

CAC59

Two Litre Container

- Polycarbonate container complete with lid and blending assembly

CAC21

1.4 Litre Container

- Polycarbonate container complete with lid and blending assembly

SS715

One Litre S.S. Container

- Stainless steel container complete with polystyrene lid and blending assembly

CAC69

Clutch Repair Kit

- Clutch Repair Kit for 2 litre blenders - 2 pack

CAC15

Hot Blending Lid

- Hot Blending Lid for 2 litre stainless steel blender containers only

AD2

Two Litre Adapter

- Allows use of one litre and smaller containers on two litre motor units
(See page 7 for containers)

Please note that container assemblies are not autoclavable in normal configuration, as washers and seals will eventually break down. Two piece lids are also not autoclavable.

Technical Data Two Litre Blenders

Capacity:	2 litres
Switch Settings:	Off-Lo-Hi
RPM:	19,000 - 23,000
Rating:	230 volts - 50/60Hz - single phase - AC - 3.75 Amps
Base:	Stainless steel motor housing with die-cast epoxy coated base
Container:	Stainless steel (HGB550/HGB55E) Polycarbonate (HGB500/HGB50E)
Lid:	Two piece vinyl and styrene cover
Coupling:	Rubber coated metal drive coupling
Cord:	6 feet (183 cm)
Overall Height:	19 Inches (48.26cm)
Weight:	Net shipping weight 14.4 lbs. (6.53k) HGB550/HGB55E 13.8 lbs. (6.26k) HGB500/HGB50E
Listings	UL, NSF, CE

Catalog Number

Description

HGB550	2 litre blender with S.S. container, 230 volt
HGB55E	2 litre blender with S.S. container, 230 volt, CE certified
HGB500	2 litre blender with polycarbonate container, 230 volt
HGB50E	2 litre blender with polycarbonate container, 230 volt, CE certified
CAC31	2 litre replacement container w/lid
SS810	2 litre container w/lid, stainless steel
CAC59	2 litre container w/lid, polycarbonate
CAC21	1.4 litre container w/lid, polycarbonate
SS715	1 litre container w/lid, stainless steel
CAC69	Clutch repair kit
CAC15	Hot blending lid
AD2	2 litre adapter

1 Litre Laboratory Blender and Accessories



800S/800G

Capacity: 1 litre/1.2 litres

Switch Settings: One speed

Base: Die cast epoxy coated base

Container: Stainless steel with handle and two piece vinyl and styrene lid - 800S.
Heat resistant glass with handle and two piece vinyl and styrene lid - 800G.

Overall height: 14/16 inches (35.5/40.5 cm)

Weight: 8.4/10.1 lbs. (3.8/4.58k)

8010S/8010G

Capacity: 1 litre/1.2 litres

Switch Settings: Two speed, 60 second mechanical timer

Base: Die cast epoxy coated base

Container: Stainless steel with handle and two piece vinyl and styrene lid - 8010S.
Heat resistant glass with handle and two piece vinyl and styrene lid - 800G.

Overall height: 15/16 inches (38/40.5 cm)

Weight: 9.4/11.4 lbs. (4.3/5.2k)



8009S/8009G

Capacity: 1 litre/1.2 litres

Switch Settings: Two speed; features jack to accept digital tachometer

Base: Die cast epoxy coated base

Container: Stainless steel with handle and two piece vinyl and styrene lid - 8009S.
Heat resistant glass with handle and two piece vinyl and styrene lid - 8009G.

Overall height: 16 inches (40.5 cm)

Weight: 9.4/11.4 lbs. (4.3/5.2k)



8011S/8011G

Capacity: 1 litre/1.2 litres

Switch Settings: Two speed

Base: Die cast epoxy coated base

Container: Stainless steel with handle and two piece vinyl and styrene lid - 8011S.
Heat resistant glass with handle and two piece vinyl and styrene lid - 8011G.

Overall height: 15/16 inches (38/40.5 cm)

Weight: 9.4/11.4 lbs. (4.3/5.2k)

Catalog Number	Container Replacement	Rated Amps	Rated Volts	Peak HP	Motor and Blade	No-Load RPM	CE Certified
800S	S.S. CAC33	1.8	230 volts 50/60 Hz	.40	Standard	High 22,000	No
800G	Glass CAC32	1.8	230 volts 50/60 Hz	.40	Standard	High 22,000	No
800ES	S.S. CAC33	1.8	230 volts 50/60 Hz	.40	Standard	High 22,000	Yes
800EG	Glass CAC32	1.8	230 volts 50/60 Hz	.40	Standard	High 22,000	Yes
800BU	---	1.8	230 volts 50/60 Hz	.40	Standard	High 22,000	No
800EBU	---	1.8	230 volts 50/60 Hz	.40	Standard	High 22,000	Yes
8010S	S.S. CAC33	1.8	230 volts 50/60 Hz	.40	Standard	High 22,000 Low 18,000	No
8010G	Glass CAC32	1.8	230 volts 50/60 Hz	.40	Standard	High 22,000 Low 18,000	No
8010ES	S.S. CAC33	1.8	230 volts 50/60 Hz	.40	Standard	High 22,000 Low 18,000	Yes
8010EG	Glass CAC32	1.8	230 volts 50/60 Hz	.40	Standard	High 22,000 Low 18,000	Yes
8011S	S.S. CAC33	1.8	230 volts 50/60 Hz	.40	Standard	High 22,000 Low 18,000	No
8011G	Glass CAC32	1.8	230 volts 50/60 Hz	.40	Standard	High 22,000 Low 18,000	No
8011ES	S.S. CAC33	1.8	230 volts 50/60 Hz	.40	Standard	High 22,000 Low 18,000	Yes
8011EG	Glass CAC32	1.8	230 volts 50/60 Hz	.40	Standard	High 22,000 Low 18,000	Yes
8009S	S.S. CAC25	3.5	230 volts 50/60 Hz	.70	Heavy Duty	High 22,000 Low 18,000	No
8009G	Glass CAC48	3.5	230 volts 50/60 Hz	.70	Heavy Duty	High 22,000 Low 18,000	No

1 Litre Laboratory Blender and Accessories



LB20ES/LB20EG

Capacity: 1 litre/1.2 litres

Switch Settings: Variable speed 0-20,000 RPM, for mixing, stirring, blending, or homogenizing

Base: Die cast epoxy coated base

Container: Stainless steel with handle and two piece vinyl and styrene lid - LB20ES. Heat resistant glass with handle and two piece vinyl and styrene lid - LB20EG.

Overall height: 15/16 inches (38/40.5 cm)

Weight: 9.4/11.4 lbs. (4.3/5.2k)



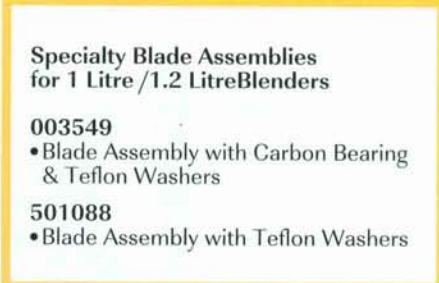
CAC32
1.2 Litre Glass Container
• Heat resistant glass with handle and two piece vinyl and styrene lid



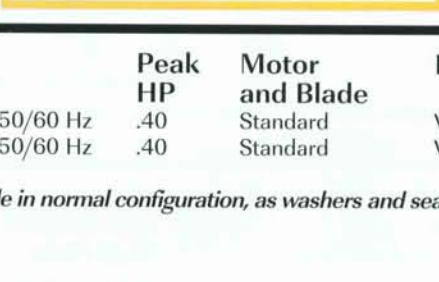
CAC33
One Litre Stainless Steel Container
• Stainless steel container with handle, two piece vinyl and styrene lid, and blending assembly



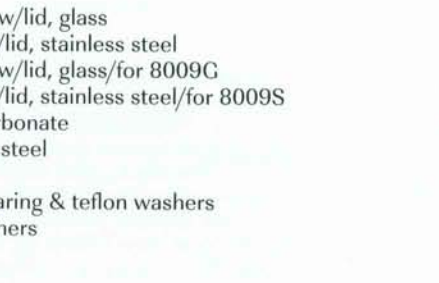
CAC48
1.2 Litre Glass Container
• Heat resistant glass with handle and two piece vinyl and styrene lid for 8009C blender



CAC25
One Litre Stainless Steel Container
• Stainless steel container with handle, two piece vinyl and styrene lid, and blending assembly for 8009S blender



CAC19
1.4 Litre Container
• Polycarbonate container complete with lid and blending assembly



CAC64
500 ml Container
• 500 ml polypropylene container
• Screw cap and standard blending assembly

Specialty Blade Assemblies for 1 Litre /1.2 Litre Blenders

- 003549**
• Blade Assembly with Carbon Bearing & Teflon Washers
- 501088**
• Blade Assembly with Teflon Washers

See page 7 for specialty containers and accessories for 1 Litre/1.2 Litre blenders

Catalog Number	Container Replacement	Rated Amps	Rated Volts	Peak HP	Motor and Blade	RPM	CE Certified
LB20ES	S.S. CAC33	1.5	230 volts 50/60 Hz	.40	Standard	Variable Speed 0-20,000	Yes
LB20EG	Glass CAC32	1.5	230 volts 50/60 Hz	.40	Standard	Variable Speed 0-20,000	Yes

Please note that container assemblies are not autoclavable in normal configuration, as washers and seals will eventually break down. Two piece lids are also not autoclavable.

Catalog Number	Description
CAC32	1.2 litre replacement container w/lid, glass
CAC33	1 litre replacement container w/lid, stainless steel
CAC48	1.2 litre replacement container w/lid, glass/for 8009C
CAC25	1 litre replacement container w/lid, stainless steel/for 8009S
CAC19	1.4 litre container w/lid, polycarbonate
CAC69	1 litre container w/lid, stainless steel
CAC64	500 ml container
003549	Blade assembly with carbon bearing & teflon washers
501088	Blade assembly with teflon washers

Hazardous Location Blenders and Accessories



The Standard in Safety. Depend on these Waring blenders to provide optimum safety and reliable performance when working with heat and/or highly volatile substances.

The Hazardous Location Blender. (BHL240) Heat is generated within motor housings during normal operation. This blender is designed to prevent the electrical arcing and generated heat from igniting ambient atmospheres. **UL listed.**

Explosion Resistant Blender. (707SB2) This blender requires external compressed air with delivery of minimum 10 SCFM, discharging of 10 PSIG. Not UL Listed.

BHL240 Hazardous Location Blender Motor

Capacity: 1 litre

Switch Settings: Two speed switch available as an accessory - BHLSW

Base: Natural finished aluminum and steel housing

Container: One litre stainless steel with stainless steel lid available separately - HL515

Cord: not included. Must be hard-wired via explosion-proof conduit.

Overall height: 14-3/4 inches (37.5 cm)

Weight: 19 lbs. (8.62k)

UL Listed for use in Class 1, Group D hazardous locations



707SB2 1.2 Litre Explosion Resistant Blender

Capacity: 1.2 litres

Switch Settings: Two speed

Base: Zinc die-cast powder coated

Container: Heat resistant glass with handle and two piece vinyl and styrene lid

Overall height: 16 inches (40.5 cm)

Weight: 13 lbs. (5.9k)



HL515
One Litre Stainless Steel Container

- Stainless steel container and lid with special teflon seals and blending assembly for BHL 240
- Please note that the BHL240 will lose Class D Explosion Resistant Rating unless used with this container.



CAC32
1.2 Litre Glass Container

- Heat resistant glass with handle and two piece vinyl and styrene lid for use with 707SB2



SS515
One Litre Stainless Steel Container

- One litre stainless steel container and one-piece stainless steel lid.
- Standard blending assembly with teflon gaskets
- Catalog SS515 fits all one litre Waring laboratory blenders

Please note that container assemblies are not autoclavable in normal configuration, as washers and seals will eventually break down. Two piece lids are also not autoclavable.

Catalog Number	Container Replacement	Rated Amps	Rated Volts	Peak HP	Motor and Blade	No-Load RPM	CE Certified
BHL240	HL515, 1 litre S.S.	4.0	230 volts 50/60 Hz	.70	Single Phase	High 18,500	No
707SB2	CAC32, Glass	1.8	230 volts 50/60 Hz	.70	Two Speed	High 22,000 Low 18,000	No

Catalog Number	Description
HL515	1 litre container, stainless steel/ for BHL240
CAC32	1.2 litre container w/lid, glass
SS515	1 litre container, stainless steel w/ stainless steel lid
BHLSW	Two speed switch for BHL240

Specialty Containers and Accessories

Please note that container assemblies are not autoclavable in normal configuration, as washers and seals will eventually break down. Two piece lids are also not autoclavable.



- SS110 Pulverizer**
- Stainless steel container
 - Stainless steel base
 - Snap tight medical grade Plastisol lid
 - 75 gram dry capacity
 - Reduces 10 grains of tablets to a dust in 10 seconds at 20,000 RPM
 - Fits all 1 litre Waring laboratory blenders



- SS115 Dry Blending Container**
- Stainless steel container and one-piece stainless steel lid and knob
 - Stainless steel base
 - Unique blade for dry homogenizing and pulverizing
 - 500 ml approximate working capacity
 - Some substances require use of adapter and larger motor units (example: soil processing requires use of 4 litre base and AD 1 adapter)



- SS510S One Litre Sealed Cover Container**
- Stainless steel container with o-ring type gasket for positive sealing of cover
 - Cover has stainless steel plug for sampling
 - Unit may be autoclaved
 - Fits all 1 litre Waring laboratory blenders



- SS515 One Litre S. S. Container**
- One litre stainless steel container and one-piece stainless steel lid.
 - Standard blending assembly with teflon gaskets
 - Fits all one litre Waring laboratory blenders



- SS610 One Litre S.S. Container**
- One litre stainless steel container, same as CAC33 except has one-piece stainless steel lid and knob
 - Fits all 1 litre Waring laboratory blenders



- AS1 One Litre Aseptic Dispersion Container**
- Stainless steel container with o-ring type gasket for positive sealing of cover, standpipe blending assembly and biologically inert teflon-based bearings
 - Jacketed base allows circulation of water for cooling during operation



- SS510C One Litre Cool Base Container**
- One litre stainless steel container
 - Unit is complete with one-piece stainless steel lid
 - Fits all 1 litre Waring laboratory blenders



- SS510F/SS610F One Litre Foam Arrestor**
- Adjustable baffle used to reduce foam in media
 - SS510F fits SS515 and SS510C
 - SS610F fits SS610 and standard 1 litre stainless steel containers with handles
 - Comes complete with cover and gasket



- MCC3 Cool Jacketed Stainless Steel Mini Container**
- MCC3 (50-250 ml)
 - Snap tight medical grade Plastisol lid



- MC1-MC2-MC3 Mini Containers**
- Stainless steel containers and base for processing small quantities
 - Standard blending assembly with stainless steel blade
 - Snap tight medical grade Plastisol lid
 - Three sizes: MC1 (12-37 ml), MC2 (37-110 ml), and MC3 (50-250 ml)



- SS510T/SS610T 1 Litre Temperature Control Coil**
- Stainless steel coil for use in 1 litre stainless steel containers
 - Water circulated through helical coil cools media being processed
 - Comes complete with cover and gasket
 - SS510T fits SS515 and SS510C
 - SS610T fits SS610 and standard 1 litre stainless steel containers with handles

Blade Assemblies with Teflon Washers for Mini Containers

- 501699**
- Blade assembly for MC1
- 501700**
- Blade assembly for MC2
- 501701**
- Blade assembly for MC3

Specialty Lab Equipment NEW for 2003



WSB33E Immersion Blender

- 2-speed fingertip control
- High-efficiency motor
- Removable stainless steel blade with open end and nut wrench included
- NSF approved stainless steel blade guard
- 6 foot (183 cm) cord with 2 prong plug



**CAC08
Butterfly Agitator**
• Stainless steel agitator for DMX20M/DME20M Lab Mixers

**CAC09
Solid Agitator with Screw**
• Stainless steel agitator for DMX20M/DME20M Lab Mixers

**CAC20
Mixer Cup**
• Stainless steel Mixer Cup
• 20 ounce / 0.83 litre capacity



An Industry First. This chopper/grinder from Waring® by Cuisinart® has dual capabilities. Separate bowl assemblies provide all the right tools for the right job.

WCG75E

- Pro Prep™ Chopper Grinder**
- Chopping assembly: 0.7 litre work bowl, two blade hub, cover with 2 protected openings for adding ingredients while processing
 - Grinding assembly: 0.7 litre work bowl, 3-blade hub, sealed cover with handle
 - Hi-speed 2-pole induction motor
 - Bowl assemblies stack for storage



DMX20M/DME20M Lab Mixer

- Two speed: High 20,000 RPM, Low 15,000 RPM
- Commercial motor/ Durable housing/ Shock resistant rubber mounts
- Lifetime sealed ball bearing
- Easy to clean removable front panel
- Two agitators included: butterfly agitator and solid agitator
- 28 ounce (0.83 litre) stainless steel container included

Technical Data WSB33E
Switch Settings: Off-Hi-Lo
Rating: 230 volts - 50Hz - .44 Amps
Overall Height: 16 Inches (40.6cm)
Weight: 2.5 lbs. (1.1k)
Listings: CE

Technical Data WCG75E
Capacity: 0.7 litre Work Bowl for Chopping Assembly
0.7 litre Work Bowl for Grinding Assembly
Switch Settings: Off-On-Pulse
Rating: 230 volts - 50/60Hz - 1.75 Amps
Base: Polycarbonate
Container: 2 Polycarbonate see-through Work Bowls
Cord: 5 feet (152.4 cm)
Overall Height: 10 Inches (25.4cm)
Weight: 11.5 lbs. (5.2k)
Listings: UL, CE

Technical Data DMX20M / DME20M
Switch Settings: Off-On-Pulse
Rating: 230 volts - 50/60Hz - .5 Amps
Housing: Aluminum, Die-Cast Powder Coated
Container: 28 ounce (0.83 litre) Stainless Steel Cup
Bearing: Sealed Ball Bearing, Lubed for Life
Overall Height: 19 Inches (48.26cm)
Weight: 12.4 lbs. (5.6k)
Listings: UL, NSF (DMX20M); CE(DME20M)

Catalog Number	Description
CAC20	Mixer cup, stainless steel/ for DME20M/DMX20M
CAC08	Butterfly agitator/ for DME20M/DMX20M
CAC09	Solid agitator with screw/ for DME20M/DMX20M



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