

### BLENDING ASSEMBLIES

#### Standard Size Blending Assembly

Order No. E8670

- As supplied with blending containers E8440, E8442, E8490, E8500, E8510 and E8520.
- Assembly has S/S blades
- Blade diameter is 2-3/8"

#### All Stainless Steel, Standard Size Blending Assembly, Order No. E8672

- Like 8670, but ALL stainless steel blades, bearing holder, shaft, bearing cap and cap nut

#### Small Size Blending Assembly, Order No. E8710

- As supplied w/ E8470 and E8495 containers
- Overall diameter of stainless blades 1-7/8"

#### All Stainless Steel, Small Size Blending Assembly, Order No. E8712

#### Semi-micro Blending Assembly, Order No. E8730

- As supplied with blending containers E8485, E8580, E8581 and E8590
- Overall diameter of stainless steel blades 15/16"

#### All Stainless Steel, Semi micro Blending Assembly, Order No. E8732

#### Eberbach Labtools Centrifugal-Flow Blending Assembly, Order No. E8650.

- Stator, rotator configuration of this blending assembly forces the flow of liquids through cutting blades, causing efficient cell and tissue homogenization via high speed mechanical disruption.
- May be used for emulsification of non-miscible liquids, re-suspension of slurries and, at lower speeds, general mixing with minimal aeration of sample.
- May be used in all standard, small or semi-micro blending containers. All metal components are made of stainless steel.
- For use with Waring or Eberbach blending containers.

#### Sealed Blending Assemblies

In order to minimize leakage of sample solution through the drive shaft/bearing interface we have added a nitrile seal below the bearing cap. Positive pressures to 32 psi may be held for extended periods thus allowing the introduction of controlled atmospheres into the container. These sealed assemblies may be used in all Eberbach and Waring containers.

Standard size, Order No. E8671

Small size, Order No. E8711

Semi-micro size, Order No. E8731

Standard size all S/S, Order No. E8673

Small size all S/S, Order No. E8713

Semi-micro size all S/S, Order No. E8733

Replacement seal, Order No. E8734

#### Waring® 4-Liter Blending Assembly, Order No. E8660

- Less washer and lock nut; for E8020 Waring 4-Liter container. Suitable for aqueous blending applications.

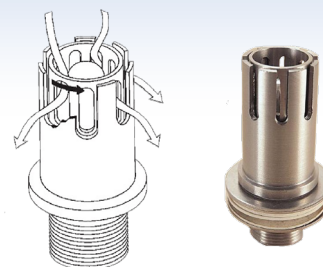
#### Harsh Condition 4-Liter Blending Assembly, Order No. E8661

- Less washer and lock nut. Suitable when using liquids that would otherwise attack the nitrile. Seals of the standard 4-liter assemblies.

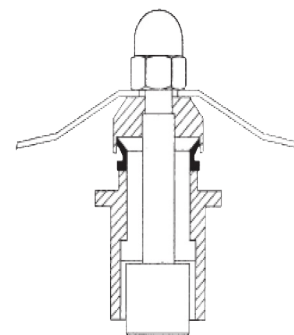
Conventional Blending Assemblies are supplied with many Waring® and Eberbach blending containers. Blades are stainless steel and vary in size and shape depending on the type and size of the container. Other metal parts in contact with sample material are of corrosion resistant chromium plated brass. Wrench set (Order No. E8770) is designed for easy blending assembly removal and installation. Stainless Steel Blending Assemblies are for use with highly corrosive sample materials or where metal ion contamination adversely affects sample preparations. All metal surfaces are of stainless steel. The blending assembly washers are Teflon®. The bearing is pure carbon.



4-Liter Blending Assembly  
Assembly No. E8660










Homogenizing Blending  
Assembly No. E8650



Sealed Blending Assembly  
Assembly No. E8671








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Image	Description	Autoclavable	Catalog number
	Glass Container w/1-Piece Acrylic Cover. 1-Liter container with working maximum of 500 ml and minimum of 75 ml. This heat resistant glass container measures 8”H x 4-2/4” dia at top. Contains a standard blending assembly (E8670). Fits Waring power units.	No	E8440
	Glass Container w/2-Piece Vinyl Cover. Like #8440 but 1150 ml container with glass handle. Unit measures 8-5/8” x 5” diameter at the top. Contains a standard blending assembly (E8670). Fits Waring power units.	No	E8442
	Small Glass Container w/Metal Screw Cover. 500 ml container with working maximum of 250 ml and minimum of 30 ml. This Borosilicate glass container measures 6-1/2”H x 3-3/4” diameter at the top. Contains a small size blending assembly (E8710). Fits Waring power units.	Yes	E8470
	Polypropylene container (2”D x 2”W x 4”H) is easily replaced with removal of one nut. Replacement container E8585.002. The 150ml container has a working maximum of 100ml and a minimum of 50ml. Contains a semi-micro blending assembly.	Yes	E8485
	Blender Base for Wide Mouth or Mason Jars. Comes with one Borosilicate glass wide mouth 250 ml jar and small size blending assembly (E8710). Also available with Centrifugal Flow Blending Assembly, Order No. E8497. Fits Waring power units.	Yes	E8495
	Centrifugal Flow Blending Assembly with Blender Base. The stator, rotor configuration of the blending assembly forces the flow of liquids through the cutting blades causing the efficient cell and tissue homogenization via high speed mechanical disruption. May be used for emulsification of non-miscible liquids, resuspension of slurries and at lower speeds, general mixing with minimal aeration of sample.	Yes	E8497
	SPECIAL-PURPOSE CONTAINER FOR Waring® BLENDERS, 1-Liter, Stainless Steel With 2PC. Vinyl Lid, 500 mL Working Max., Min. 75 mL	Yes	E8505

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Image	Description	Autoclavable	Catalog number
	Stainless Steel Container w/ Stainless Press Fit Cover. 1-Liter container with working maximum of 500 ml and minimum of 75 ml. Container has standard blending assembly (E8670). Fits Waring power units.	Yes	E8510
	1 Liter Stainless Steel Container w/ Screw Cover and Sample Plug. 1-Liter container with working maximum of 500 ml and minimum of 75 ml. The screw cover is sealed with neoprene o-rings on both the outside diameter and sample plug. Fits Waring power units.	Yes	E8520
	Stainless Steel, Micro Container. Working capacity of 3 ml min. to 30 ml max. Container and cutting assembly are stainless steel with Teflon gaskets for screw cover and threaded sampling plug. Base is cast aluminum providing a stable support and heat sink. Entire container can be pre-chilled to provide additional heat absorbing capacity. The unit is 6 3/4" H overall. The container measures 1 1/4" dia x 3 1/2" H. The unit can be disassembled for cleaning and sterilizing with the tools provided. Fits Waring power units.	Yes	E8575
	Semi-Micro Container, Stainless Steel with Press Fit Lid. Total capacity is 360 ml with a maximum working volume of 250 ml and a minimum of 25 ml. Measures 6 3/4" H x 1 1/8" dia at bottom, flaring to 1 15/16" on top. Complete with semi-micro blending assembly (E8730). Fits Waring power units.	Yes	E8580
	Semi-Micro Container, Stainless Steel with Screw Cover and neoprene cover gaskets. Same as the E8580 but with screw cover and sample plug. Fits Waring power units.	Yes	E8581
	Semi-Micro container assembly with Cooling Jacket and press fit lid. Like E8580 but surrounded by a stainless steel cooling jacket. The cooling jacket is 5 1/2" dia x 4" H. Tablatures for circulating liquid are 3/8" in diameter x 1 1/2" long. Ice or dry ice may be added to the surrounding fluid through holes in the jacket top. Complete with semi-micro blending assembly (E8730). Fits Waring power units.	Yes	E8590
	1-LITER BLENDING CONTAINER ADAPTER FOR 4-LITER POWER UNITS, Waring Model CB-6, Eberbach E8015/E8017/E8018	N/A	E8051

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**PRODUCT:** | E8530

**PURPOSE:** | MULTI-BLADE BLENDING CONTAINER

1-Liter stainless steel multi-blade container. Working maximum of 750 ml and minimum of 75 ml. The screw cover and sample plug are sealed with neoprene o-rings. Useful in applications where the entire fluid column must be blended as when dealing with viscous liquids or semi-solids.



Inside view of E8530 container



E8530 Multi-Blade with Cap


### PRODUCT SPECIFICATIONS...

<b>BLENDING CAPACITY</b>	<ul style="list-style-type: none"> <li>• 75 ml Minimum Blending Capacity</li> <li>• 750 ml Maximum Blending Capacity</li> </ul>
<b>MATERIAL:</b>	<ul style="list-style-type: none"> <li>• 300 Series Stainless Steel</li> </ul>
<b>COMPATIBLE BLENDERS:</b>	<ul style="list-style-type: none"> <li>• All 1-liter Waring Blenders (4 Liter blenders with Adaptor E8051)</li> <li>• Eberbach Hazardous Location Blenders</li> </ul>
<b>SIZE AND WEIGHT:</b>	<ul style="list-style-type: none"> <li>• Height: 8.5 in</li> <li>• Width: 4.5 in</li> <li>• Weight: 3.8 lbs</li> </ul>

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### BLENDING ASSEMBLIES



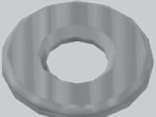

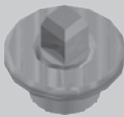
	Assembly parts	Standard No. E8670	Small No. E8710	Semi-Micro No. E8730	Standard No. E8672	Small No. E8712	Semi-Micro No. E8732	
	Cap Nut	E8670.05 pkg of 6	E8670.05 pkg of 6	E8670.05 pkg of 6	E8672.06 Stainless	E8672.06 Stainless	E8672.06 Stainless	
	Stainless Blade	E8680	E8720	E8740	E8680	E8720	E8740	
	Bearing Cap	E8670.10	E8670.10	E8670.10	E8672.11 Stainless	E8672.11 Stainless	E8672.11 Stainless	
	Seal Washer	E8670.15 pkg. of 12	E8670.15 pkg. of 12	E8670.15 pkg. of 12	Teflon E8672.16 pkg. of 12	Teflon E8672.16 pkg. of 12	Teflon E8672.16 pkg. of 12	
	Bearing Holder	E8670.20	E8670.20	E8670.20	E8672.22 Stainless	E8672.22 Stainless	E8672.22 Stainless	
	Thrust Washer	E8670.25 pkg. of 12	E8670.25 pkg. of 12	E8670.25 pkg. of 12	E8670.25 pkg. of 12	E8670.25 pkg. of 12	E8670.25 pkg. of 12	
	Socket Head Drive Shaft	E8670.30	E8670.30	E8670.30	E8670.30	E8670.30	E8670.30	
	Nylon Washer	E8670.32 pkg. of 12	E8670.32 pkg. of 12	E8670.32 pkg. of 12	E8670.32 pkg. of 12	E8670.32 pkg. of 12	E8670.32 pkg. of 12	
	Stainless Washer	E8670.35 pkg. of 12	E8670.35 pkg. of 12	E8670.45 pkg. of 6	E8670.35 pkg. of 12	E8670.35 pkg. of 12	E8670.45 pkg. of 6	
	Gasket	Rubber E8750 pkg. of 12	Rubber E8750 pkg. of 12	Rubber E8760 pkg. of 12	Teflon E8752 pkg. of 5	Teflon E8752 pkg. of 5	Teflon E8762 pkg. of 5	
	Container Base Parts							
	Gasket*	Rubber E8750 pkg. of 12	Rubber E8750 pkg. of 12	Rubber E8750 pkg. of 12	Teflon E8752 pkg. of 5	Teflon E8752 pkg. of 5	Teflon E8762 pkg. of 5	
	Stainless Washer	E8670.35 pkg. of 12	E8670.35 pkg. of 12	E8670.35 pkg. of 12	E8670.35 pkg. of 12	E8670.35 pkg. of 12	E8670.35 pkg. of 12	
	Hex Nut	E8670.40 pkg. of 6	E8670.40 pkg. of 6	E8670.40 pkg. of 6	E8670.40 pkg. of 6	E8670.40 pkg. of 6	E8670.40 pkg. of 6	

\*Number of washers/gaskets needed may vary in order to maintain 3/16" clearance between socket head drive shaft and bottom of container base

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**PARTS FOR BLENDING POWER UNITS**

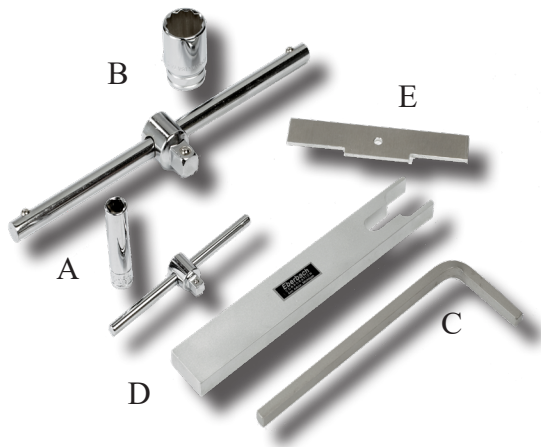
	Part	4-Liter	One-Speed	Two-Speed	Two-Speed w/ Timer
	Square Drive Stud*	n/a	E8400.55 (1/4-28) E8400.57 (12-24)	E8400.55 (1/4-28) E8400.57 (12-24)	E8400.55 (1/4-28) E8400.57 (12-24)
	Washer Drive Stud	n/a	E8400.60	E8400.60	E8400.60
	Slinger	n/a	E8400.65	E8400.65	E8400.65
	Rubber Coupling	n/a	E8400.70 (1/4-28) E8400.72 (12-24)	E8400.70 (1/4-28) E8400.72 (12-24)	E8400.70 (1/4-28) E8400.72 (12-24)
	Coupling Assembly (includes 4 parts listed above)	Complete E8000.75	E8400.75 (1/4-28) E8400.77 (12-24)	E8400.75 (1/4-28) E8400.77 (12-24)	E8400.75 (1/4-28) E8400.77 (12-24)

\* Note thread size in parenthesis

\*\* Parts are available for all Waring Blenders; contact Eberbach Customer Service

**Eberbach Labtools Wrench Set  
Order No. E8770**

- For removing and installing blending assemblies
- Consists of 4 wrenches:
  - (A) for cap nut to secure the blades;
  - (B) for large nut which secures assembly in container;
  - (C) for holding drive shaft when removing cap nuts;
  - (D) spanner wrench for securing bearing holder during assembly
  - (E) gap tool for aligning blending assembly with drive stud size gauge
- Not for use with 4-Liter blending assembly



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