

# B WATER BATHS

## Immersion Coolers



### FIGR-Series, Immersion Coolers

The Immersion cooler can be used with open bath circulators to provide a reliable and flexible alternative to tap water cooling.

This immersion cooler also provides a simple solution for direct cooling of small samples.

- Wide operating temperature range to meet application needs (down to -30°C).
- Eliminates the inconvenience of handling dry ice or liquid nitrogen, saving both time and money.

Used together with open-water bath circulators, this cooler provides an alternative to tap water cooling.

this cooler is equipped with an air-cooled cooling circuit and is suitable for individual cooling applications like cooling smaller volumes, removing reaction heat or replacing tap water cooling. temperature range: -30 to 100°C.

the HC series is a cost effective alternative to dry ice.

Adding one of our Immersion Coolers or Cold Baths to your laboratory is a wise investment.

Both are designed to eliminate the use of dry ice or liquid nitrogen, and feature durable, heavy-duty refrigeration systems that can operate continuously without trouble.

If you calculate the cost of buying a year's worth of dry ice or LN 2 and compare it with the cost of running either, you'll be pleasantly surprised.

3 available to meet your application needs.

See the specification table below for cooling probe options.

Immersion Coolers are primarily used for counter-cooling when connected to a heating circulator, or for rapidly cooling fluids down to low temperatures.

Take advantage of the space-saving design.

Immersion Coolers represent an economical alternative to conventional tap water cooling.

Ease of operation make this model series the ideal instruments for a variety of cooling applications.

**Advantages:** Rapid cooling of liquids to low temperatures • Counter cooling of liquids in combination with open bath circulators • Preventing the use of precious tap water for cooling • Ease of operation • Compact design, small footprint • Much safer and consistent than dry-ice.

Model	FIGR-001	FIGR-002	FIGR-003
Working range	Ambient ~ -20°C	Ambient ~ -30°C	Ambient ~ -30°C
Cooling capacity (at 20°C)	750Kcal/hr	1000Kcal/hr	1500Kcal/hr
Probe	Φ5.1x13.2cm	Φ5.1x20cm	Φ5.1x20cm
Case (mm)	W230xD305xH450	W230xD320xH500	W230xD320xH500
Power source	110/220V 60/50Hz 3/1.5A	110/220V 60/50Hz 3.5S/2A	110/220V 60/50Hz 4A/2A

# BLENDERS

BagMixer is the most effective lab blender for microbiological analyses. It guarantees optimal bacterial extraction of solid samples. Thanks to the unique adjustable paddle system, the blending chamber adapts perfectly to the size of the sample.



### BagMixer 400W, Lab Blender

World best seller, BagMixer® 400 is a powerful & easy-to-use lab blender. In use with a filter-bag, there is no risk of cross-contamination: the blending is accurate, reliable and quick. Adapted to any kind of application, it is the perfect tool for microbiological analysis.

**Performance:** Window door • Fixed blending speed (8 strokes/sec.) • Variable blending time (30-210 secs. or open-running) • Security drip tray.

**Features:** Silent • Optimum extraction • Unbreakable window door • Life-time guarantee on shock-absorbers • All stainless steel • 270° retractable door • Easy cleaning.

### Specifications:

- Useful volume: 50-400ml.
- Size (LxDxH): 39x26x29cm.
- Power: 220/110V-50/60Hz.
- Weight: 16.5kg.

Our Laboratory Blenders are powerful and durable for grinding, blending, chopping, and processing. Designed specifically with the daily requirements of a lab in mind, our blenders are available in either stainless steel or glass. And laboratory professionals know that MRC is the name to trust. Safe and easy to clean, these laboratory blenders are used with both wet and dry ingredients, and are available in various sizes with varying speeds. With all these benefits, a blender is truly the best choice for the lab.

**1 & 1.2 Liters Blenders For Mixing, Stirring, Blending Or Homogenizing**

**Base:** Epoxy coated motor housing. **Capacity:** 1 Liter/1.2 Liter

**Container:** S: 1 liter, Stainless steel with handle & two piece vinyl & styrene lid.

G: 1.2 liter, Heat resistant glass with handle & two piece vinyl and styrene lid.



**800G**

**8011S**

**8010S**

**LB20S**

**800G/S** - Heavy duty blender, One speed 22,000 rpm, Epoxy coated motor housing, container with handle & 2 piece vinyl and styrene lid.

**8011G/S** - Heavy duty blender, 2 speed 22,000rpm & 18,000rpm, Epoxy coated motor housing, Container with handle & two piece vinyl & styrene lid.

**8010G/S** - Heavy duty blender, 2 speed 22,000rpm & 18,000rpm, Epoxy coated motor housing, Container with handle & two piece vinyl and styrene lid.

**LB20G/S** - Heavy duty blender, Variable speed 0-20,000rpm, Epoxy coated motor housing, container with handle & 2 piece vinyl and styrene lid.

**HGBSS/LBC10, 2/4 Liter Blenders**



**HGBSS**

**LBC10**

**HGBSS, 2 Liter Blender**

**Mid-size Blender Convenience.**

MRC offers a blender specifically designed to process up to two liters of free-flowing material with high liquid content.

**Big Blender Toughness.**

Powerful, 2-speed: Low-19,000rpm, High-23,000rpm

1-HP motor will emulsify, homogenize, grind, shred, disintegrate and mix a wide spectrum of materials in seconds.

**LBC10, 4 Liter Blender**

**The Standard in Handling.** Provides two handles for safer, easier lifting, pouring and carrying.

**The Standard in Long Service Life.** 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 & clean. Control panel with Pulse Mode provides precision operation.

**The Standard in Quiet Operation.** Encases its industry-leading 3-HP motor for quiet operation.

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

Speed: Off-Low-Med-Hi-Pulse 16,000-18,000-20,000rpm.



**BHL-240**

### BHL-240, 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)

The Standard in Safety. Depend on this MRC blender 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.



**8020 container**

**8017**

### 8017/8018, 4 Liter Explosion Proof Blender

MRC's Explosion-Proof Blender 8017 is designed for laboratory situations made hazardous by the blending of mixtures containing volatile solvents. Unit features a 1.5 hp explosion-proof motor with automatic reset thermal protection. The 8017 is designed to accommodate a MRC 4-Liter blending container (#8020 not included). The explosion-proof motor is UL approved (applies to motor only) for Class I, Group C and D and Class II, Group F and G operation. Model 8017 is a single-speed blender operating at 11,500 rpm. Model 8018 is a variable-speed version of the 8017. It will provide constant torque in a speed range from 1,150 to 11,500 rpm. Blender is powered by a PWM scalar drive and speed is monitored by a digital display. Although both blenders are designed to use a 4-Liter container, you can adapt unit to fit all Eberbach blending containers with the use of a Model 8051 adapter. Both Model 8017 and 8018 must be installed by a qualified electrician to preserve their explosionproof capability. Units are supplied without container, power switch or adapter.

#### Features:

- Blending speed - 8017: fixed@11500rpm  
8018: variable between 1150-11500rpm, displayed by digital output
- Optional power requirements - 8017: 230/460V, 50/60Hz three phase  
8018: 230V, 50/60 Hz, three phase
- Power requirements - 8017: 115/230V, 60Hz, 16.4/8.3Amps.  
8018: 230V, 50/60Hz, 16.4 Amps
- Blender motor - 8018/8017: explosion-proof single phase UL approved for Class I, Group D and Class II Group, F and G. Rated 1.5 hp
- Dimensions - Height: 18 in without container (45cm)  
Width: 10.4 in (26cm)  
Length: 20.4 in (52cm)
- Weight - 90 lbs (40kg)

#### Accessories:



**CAC-33**

**CAC-32**

#### CAC-32

1.2 liter Glass Container Complete with Blade and Lid.

#### CAC-33

1 liter stainless steel Container Complete with Blade and Lid.



**MC-1**

**MC-2**

3 sizes:

- MC-1** (12-37ml)
- MC-2** (37-110ml)
- MC-3** (50-250ml)

Stainless steel containers and base for processing small quantities. Stainless steel base Standard blending assembly with stainless steel blade Snap fit lid. 3 sizes: MC1 (12-37 ml), MC2 (37-110 ml), MC3 (50-250ml)