




Industrial and Hazardous-Duty Bottled-Water Coolers

Standardized Units Designed Specifically for Long Life in Harsh and Explosive Industrial, Marine and Military Conditions

DMC manufactures the first line of truly industrial bottled-water coolers. Made of 316L stainless steel, all are designed specifically for corrosive, dusty, hot, humid, and, when necessary, hazardous (explosive) locations.

These Are Standard Features, Not Options:

- ▶ To resist corrosion and damage, all cabinets made with 18-gauge stainless-steel (type 316L)
- ▶ Anti-corrosion coating baked onto all condensers and tubing
- ▶ Full rated cooling capacity up to 131°F (55°C) — not just up to the normal 95°F (35°C) — without modification or electronic controls
- ▶ Mechanical controls only — eliminates vulnerability of electronics and their high cost to repair
- ▶ All controls protected in NEMA 4 (IP65) or NEMA 4/7/9 enclosure. All complete units also meet the NEMA 4 or NEMA 4/7/9 standards
- ▶ Units have extra-large condensers to provide cooling at high altitudes and at high ambient temperatures
- ▶ Corrosion-resistant valve for filling cups from an extra-large reserve of cold water
- ▶ All units available modified for hazardous locations (“explosion-proof”) — Divisions/Zones 1 or 2
- ▶ Energy efficient at high ambient temperatures and under other harsh conditions, as well as at temperatures below 95°F (35°C)
- ▶ Accepts all standard-sized bottles
- ▶ Maintenance facilitated by refrigerant access valves and filter-dryer
- ▶ ADA compliant 
- ▶ 115/60/1 or 220-240/50-60/1



IF YOUR BOTTLED-WATER COOLER MUST WORK, WE HAVE UNITS WAITING FOR YOU

These coolers are not simply ordinary coolers modified for industrial conditions—we build them from scratch to last!

Frequent Users of DMC Industrial Coolers In Tough Applications That Require Cold, Safe Drinking Water, Especially If Conditions Are Harsh or Hazardous:

- Airplane Hangers
- Alcohol Extract Plants
- Cement and Lime Plants
- Chemical and Gas Plants
- Coal and Coke Plants
- Corn-Alcohol Refineries
- Dry-Cleaners and Dyers
- Explosives and Munitions Manufacturers
- Fertilizer Plants
- Flour and Feed Mills
- Fragrance and Extract Plants
- Fuel Storage and Handlers
- Grain Elevators
- Guard Buildings
- Hazardous-Goods Storage Facilities
- Hospitals
- Laboratories
- Land Fills
- Recycling Plants
- Mining
- Munitions Handling and Storage
- Nuclear Power Plants
- Offshore Oil-Drilling Platforms
- Oil Refineries
- Painting and Solvents
- Paper Manufacturing
- Pharmaceutical Plants
- Refueling/Loading Facilities
- Ships, Civilian and Military
- Tankers
- Textile Plants
- Vehicle Air-Bag Makers
- Waste-Treatment and Sewer Plants

Hazardous (Explosive) Locations:

When specified, DMC makes units suitable for hazardous-duty (“explosion-proof” or “flame-proof”) conditions.

We use UL-recognized hazardous-duty compressors appropriate for the classification of the area.

DMC offers bottled-water coolers suitable for use in areas classified as any of the following types of locations: NEC Classes I, II, or III, Groups B, C, D, E, F or G, and Division/Zone 2 or 1 and IEC Classes I, IIA, IIB, and IIC Zones 1 and 2. The units will also be temperature-coded T3B.

DMC seals the coolers in the factory for fast and easy installation, and they retain the same corrosion resistance and other harsh-duty features as DMC’s standard coolers.

Specifications:

Cabinet: All corrosion-resistant stainless steel type-316L, inside and outside including interior shelves, mountings and drip basin. Satin finish on all exterior surfaces for an attractive and easily-cleaned lustrous appearance. Bottle-support ring made of durable and corrosion-resistant polypropylene.

Controls: Protected from environment by installation inside NEMA 4 (IP65) or NEMA 4/7/9 enclosure.

Valves: Self-closing, no-drip. Made from durable and corrosion-resistant polypropylene.

Cold Water Reservoir: Flat-bottom stainless steel basin with approximately 2-1/2 quarts (2.4 liters) useable capacity and polypropylene fittings. Corrosion-protected copper evaporator coil is wrapped around reservoir, insulated with closed-cell elastomer.

Corrosion Protection: Capillary tube, sight glass, filter-dryer, two access valves and all other metal tubing protected with either a special epoxy coating (e-coat) with near-zero porosity applied electrostatically and baked or with Dupont Corlar enamel to protect them from acidic and caustic corrosion.

Condenser: Triple layer, sized for high ambient temperatures and high altitudes, and protected against acidic and other corrosion with a special epoxy coating (e-coat) with near-zero porosity applied electrostatically and baked.

Compressor: Andover Protection Systems’ Model EEG (for 115/60/1) or APS Model EEJ (220-240/50-60/1). These compressors are specifically designed for and recognized by UL (Underwriters Laboratories) for use in hazardous (“explosive”) areas, even those requiring explosion-proof or flame-proof equipment.

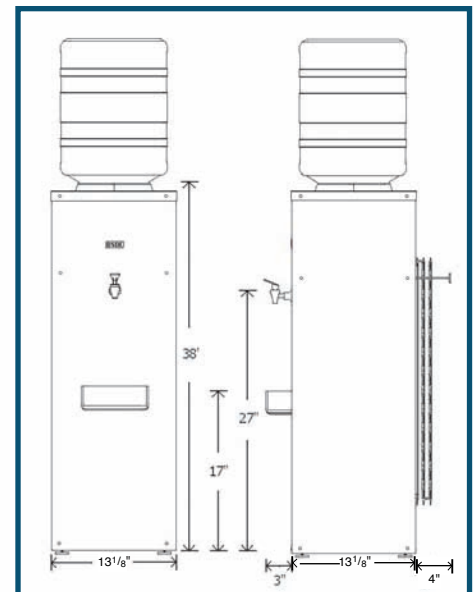
Capacity:

Rated Capacity - At water and air temperature of 131°F (55°C)— lower 1/2 gallon per hour of water from 131°F (55°C) to 50°F (10°C) — Note: 131°F water will scald skin; therefore, chiller must lower the water 81°F (27°C) degrees to reach the standard chilled-water temperature of 50°F (10°C).

Capacity at ARI standard conditions - At water and air temperature of 90°F (32.2°C)—lower 0.9 gallons per hour of water from 90°F (32.2°C) to 50°F (10°C) — (produce 50% more cold water than standard units).

A.D.A.: Overall, the coolers comply with the requirements of the ADA specification 4.15.2-4 

Shipping Dimensions: Approximately 73 lbs. and 8.6 cubic feet.



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