



AERO
CONDITIONER COMPANY, LLC.

Industrial and Hazardous-Duty Bottled-Water Coolers

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

Aero manufactures the first line of truly industrial bottled-water coolers.

*Made of 316 stainless steel, all are designed specifically for corrosive, dusty, hot, humid, and **hazardous (explosive) locations***

- To resist corrosion and damage, all cabinets made with 18-gauge stainless-steel (type 316) with lustrous satin finish
- 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 units also meet 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. Accepts all standard-sized bottles
- All units can be modified for hazardous locations “explosion-proof” — Gases and Dusts — 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)
- Maintenance facilitated by refrigerant access valves & filter-dryer
- ADA compliant and 115/60/1 or 220-240/50-60/1



Some of Aero’s Satisfied Customers:



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 Aero's 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 Barges and Loading Docks
 - 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
 - Soybean Processors
 - Tankers
 - Textile Plants
 - Vehicle Air-Bag Makers
 - Waste-Treatment and
 - Sewer Plants

Hazardous (Explosive) Locations:

When specified, Aero makes units suitable for hazardous-duty ("explosion-proof" or "flame-proof") conditions.

We use hazardous-duty compressors specifically recognized by Underwriters Laboratories (UL) for use in the area as classified. Aero 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.

Aero seals the coolers in the factory for fast and easy installation, and hazardous-duty coolers retain all the same corrosion protection and other harsh-duty features as Aero's standard coolers.

Specifications:

Cabinet: All corrosion-resistant stainless steel type-316, 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.

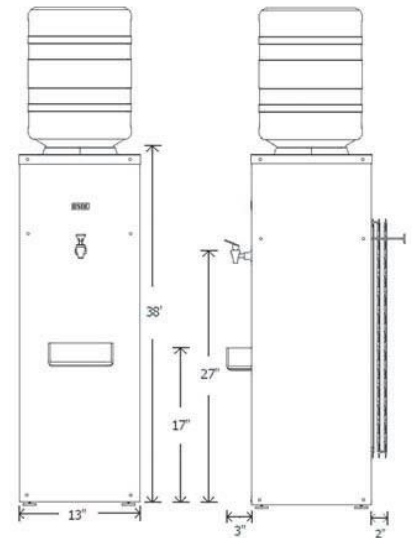
Compressor: Andover Protection Systems' Model EEG (for 115/60/1) or APS Model EEJ (220-240/50-60/1). These compressors are specifically designed for and recognized by UL (Underwriters Laboratories) for use in hazardous ("explosive") areas, even those requiring explosion-proof or flame-proof equipment.

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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