SECTION 22 47 00 – DRINKING FOUNTAINS AND WATER COOLERS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Electric water coolers.
B. Drinking fountains/Hydration Stations.

1.02 RELATED REQUIREMENTS

A. Section 22 05 00 – Common Work Results for Plumbing
B. Section 22 10 05 – Plumbing Piping.
C. Section 22 11 16 – Domestic Water Piping
D. Section 22 13 00 – Facility Sanitary Sewerage
E. Section 22 30 00 – Plumbing Equipment.
F. Section 22 40 00 – Plumbing Fixtures

1.03 SUBMITTALS

A. Product Data: Provide catalog illustrations of fixtures, sizes, rough-in dimensions, utility sizes, trim, and finishes.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

A. Potable Water Systems: Provide plumbing fittings and faucets that comply with NSF 61 and NSF 372 for maximum lead content; label pipe and fittings.

2.02 DRINKING FOUNTAINS AND WATER COOLERS

A. Water Cooler: Electric, mechanically refrigerated; surface mounted, ADA compliant; stainless steel top, vinyl on steel body, elevated anti-squirt bubbler with stream guard, automatic stream regulator, push button, mounting bracket; integral air-cooled condenser and stainless-steel grille.

1. Capacity: 8 gallons per hour (30.3 liters per hour) of 50 degrees F (10 degrees C) water with inlet at 80 degrees F (27 degrees C) and room temperature of 90 degrees F (32 degrees C), when tested in accordance with ASHRAE Std 18.
2. Electrical: 115 V, 60 Hertz compressor, 6 foot (2 m) cord and plug for connection to electric wiring system including grounding connector.

B. Hydration Station:

   a. WaterSentry Plus 3000-gallon capacity filtration system, certified to NSF/ANSI 42 & 53 (Lead, Class 1 Particulate, Chlorine, Taste 7 Odor)
   b. Integrated silver ion anti-microbial protection
   c. Fill rate: 1.5 gpm; 1.1 gpm when connected to a remote chiller
   d. Laminar flow to reduce splash
   e. Real drain system
   f. Visual user interface display includes:
      g. Green Ticker counts bottles saved from waste
      h. LED visual filter monitor indicates when to replace filter
   i. Optional remote chiller can be installed within 15 feet of unit to deliver chilled drinking water.

2.03 EMERGENCY EYE AND FACE WASH

A. Emergency Wash: ANSI Z358.1; wall-mounted, self-cleaning, non-clogging eye and face wash with quick opening, full-flow valves, stainless steel eye and face wash receptor, twin eye wash heads and face spray ring, stainless steel dust cover, copper alloy control valve and fittings.

PART 3 EXECUTION

2.04 INSTALLATION

A. Install components level and plumb.

END OF SECTION 22 47 00