

SECTION 11 70 00
HEALTHCARE EQUIPMENT

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: Except where covered by other Sections, provide healthcare equipment under conditions specified and as shown on Drawings.
- B. Related Sections:
 - 1. [_____].

1.02 REFERENCE STANDARDS

- A. [_____].

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Coordinate healthcare equipment details with other work supporting, adjoining, or fastening to parking control equipment.
 - 2. Coordinate with metal framing specified in Section 09 22 00 - Supports for Plaster and Gypsum Board to ensure proper connections between equipment and structural supports.
 - 3. Coordinate placement of conduit and accessories and power wiring to operating residential equipment.
- B. [Preinstallation Meeting:]
- C. Sequencing:
 - 1. Sequence installation to accommodate required utility connections.
- D. [Scheduling:]
 - 1. Note Section 01 31 10 – Project Management and Coordination referring to sufficient clearances for delivery and installation of equipment.
 - 2. [Items of equipment which may require special attention include, but are not necessarily limited to, the following:]
 - a. [_____].

1.04 [SUSTAINABLE CHARACTERISTICS]

- A. Section 01 35 63 - Sustainability Project Requirements: Requirements for sustainable design compliance.
- B. Materials and Resources Characteristics:
 - 1. [Recycled Content Materials: Furnish materials with maximum available recycled content including:

SPEC NOTE *List materials specified in this section required to have recycled content.*

- a. [_____].
- 2. [Regional Materials: Furnish materials extracted, processed, and manufactured within 500 miles of Project site.]

SPEC NOTE *List materials specified in this section required to be regional materials.*

a. [_____.]

1.05 SUBMITTALS

- A. See Section 01 33 00 - Submittal Procedures, for submittal procedures.
- B. Product Data: Submit manufacturer's product data with pertinent information marked in red. Show necessary space requirements and mechanical and electrical roughing-in requirements.
- C. Certification: Submit Certification of compliance with designated standards.
- D. Shop Drawings: Submit for each item of equipment, showing dimensions, required clearances, location, finish; and where necessary, size, location (especially height above floor), and capacity of all mechanical and electrical services required.
- E. Maintenance Data: Include operating instructions, wiring diagrams, list of parts with recommended spares, and names and telephone numbers of local factory authorized service agencies.

1.06 [SUSTAINABLE DESIGN SUBMITTALS]

- A. Section 01 35 63 - Sustainability Project Requirements: Requirements for sustainable design submittals.
- B. Manufacturer's Certificate: Certify products meet or exceed specified sustainable design requirements.
 - 1. Materials Resources Certificates:
 - a. Certify source and origin for [salvaged] [and] [reused] products.
 - b. Certify recycled material content for recycled content products.
 - c. Certify source for regional materials and distance from Project site.
- C. Product Cost Data: Submit cost of products to verify compliance with Project sustainable design requirements. Exclude cost of labor and equipment to install products.
 - 1. Provide cost data for the following products:
 - a. [Salvage products.]
 - b. [Reused products.]
 - c. Products with recycled material content.
 - d. Regional products.

1.07 QUALITY ASSURANCE

- A. Provide equipment which complies with standards and bears certification labels of the Underwriters Laboratory (UL).
- B. Work and equipment shall be governed by CCR Title 8, Industrial Relations, and CCR Title 24, State Building Standard.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Comply with requirements of Section 01 60 00 - Product Requirements.
- B. Deliver and protect all equipment as required to prevent damage during construction.

1.09 SITE CONDITIONS

- A. Access: Check all clearances and structural requirements for delivery and installation of equipment. No allowance will be made for contractor's negligence to foresee means of installing equipment in final position.

1.10 EQUIPMENT RESPONSIBILITY

- A. Assignment of any equipment responsibility designation shall entail the following contract work:
 - 1. Verification of utility requirements.
 - 2. Provision of utility rough-ins for all equipment, whether furnished in contract or not.
 - 3. Rough-in locations and requirements are referenced on the Drawings or in the Specifications.
- B. The installation of equipment comprises responsibility designations which correspond with the following: (Symbols: Shown on Equipment Schedule on Drawing):
CFCI = Contractor Furnished, Contractor Installed
UFCI = University Furnished, Contractor Installed
VFVI = Vendor Furnished, Vendor Installed
UFVI = University Furnished, Vendor Installed
UFUI = University Furnished, University Installed
- C. Contractor shall perform the following work:
 - 1. Receive item at site and give written receipt for item at time of delivery, noting visible defects or omissions. If such declaration is not given, the contractor shall assume responsibility for such defects and omissions.
 - 2. Store item until ready for installation.
 - 3. Uncrate, assemble, and set item in place.
 - 4. Contractor shall provide rough-in utilities.
 - 5. Contact manufacturer's representative and install item in accordance with manufacturer's recommendations, instructions and shop drawings, supplying labor and material required and making mechanical, plumbing and electrical connections necessary to operate equipment.
- D. University's responsibilities for University Furnished Equipment:
 - 1. Furnish standard integral parts of equipment.
 - 2. Tailgate-deliver items to site.
- E. University and Contractor shall coordinate deliveries of equipment to coincide with construction schedule to minimize storage of equipment before installations.

1.11 EQUIPMENT SUBSTITUTIONS

- A. If University substitutes an item similar to that which is specified, there shall be no change in rough-in cost unless the substitution occurs after rough-in is completed, or rough-in involves other utilities, or utilities of capacity is different from that which was originally specified.

PART 2 PRODUCTS

2.01 GENERAL PRODUCT REQUIREMENTS

- A. Groups of equipment of similar nature, when provided by Contractor, shall be by a single manufacturer to facilitate maintenance and service.
- B. Compatibility with Space and Service Requirements:

1. Equipment items shall be compatible with space limitations shown and with mechanical and electrical services shown and specified elsewhere.
 2. For custom-fabricated items, verify dimensions at job site before fabrication.
 3. Modifications to equipment items necessary to conform with space limitations or with utility services specified for rough-in shall not cause additional cost to the Contract.
 4. Door swings of equipment to be identified on submittals and coordinated for best ease of access.
- C. Equipment to be provided by Contractor shall be complete with necessary standards, valves, gauges, controls and other related appurtenances, and shall be connected to utility lines.
- D. Medical gas service outlets shall meet requirements of Division 22 Plumbing.
- E. Electrical work herein shall meet requirements of Division 26 Electrical.
- F. Refrigerators shall be self-contained with condensate evaporator and automatic defrost except as noted.

2.02 EQUIPMENT

- A. Equipment item numbers are shown on the Equipment Schedule on Drawings.
- B. Equipment Item #1
1. Equipment Responsibility: UFCI
 2. Description: Drinking Water Dispenser
 3. Product: WaterLogic WL350 Dispenser, Tower (13.6" w x 40.6" h x 14.4" d, 58 lbs.) or Countertop (13.6" w x 17.75" h x 14.4" d, 42 lbs.), dispense area height 8.5", 120V/60Hz compressor, with UV sensor and BioCote antimicrobial surface protection.
 4. Contact: www.waterlogicsusa.com, Telephone: 844-283-3514
- C. Equipment Item #2
1. Equipment Responsibility: UFCI
 2. Description: Filter for Drinking Water Dispenser
 3. Product: Pentair, Everpure 4FC-L Filter Cartridge, 14.5" h x 3.25" d, 10-125 psi, NSF Rated-Lead Removal: 4,900 gallons, Taste & Odor Capacity: 9,800 gallons.
 4. Contact: www.everpure.com, Telephone: 800-942-1153

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine areas to receive equipment and verify that:
1. Conditions are suitable and critical dimensions are correct.
 2. Framing is prepared properly and surfaces are free of defects that would adversely affect the equipment.
- B. Do not install equipment until unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Furnish templates as required for correct locations of bolt holes.

3.03 INSTALLATION

- A. Install healthcare equipment in exact accordance with manufacturer's instructions and reviewed Shop Drawings.
- B. Install healthcare equipment plumb and level, and in correct locations.
- C. Install healthcare equipment securely in place, rigidly or flexibly mounted in accordance with manufacturer's directions.
- D. Touch up and restore damaged or defaced finishes.

3.04 PROTECTION OF INSTALLED WORK

- A. Protect installed Work under provisions of Section 01 76 00 - Protecting Installed Work.
- B. Provide protective covering on installed items until final clean up.

3.05 ADJUSTING

- A. Employ manufacturer's qualified factory-trained service engineer to test equipment and make adjustments required for proper operation.
- B. Repair or replace any item not acceptable to University's Representative.

3.06 INSTRUCTIONS

- A. Operating Instructions: Upon project completion, provide minimum three working days' instruction to University's employees during their working hours in the operation, adjustment, care and maintenance of all parts of equipment.

END OF SECTION