

## **Part 1 General**

### **1.1 RELATED SECTIONS**

- .1 Division 22 – Plumbing.
- .2 Division 26 – Electrical.

### **1.2 SUBMITTALS**

- .1 Shop Drawings.
  - .1 Submit shop drawings in accordance with Section 01 33 00.
  - .2 Include product literature by manufacturer's catalogue or model number.
  - .3 Provide templates, patterns, fixing diagrams, and other related data required for coordination and connection.
  - .4 Show general arrangements, dimensions, locations of service outlets, built-in equipment, groups of service fittings, special installation conditions.
- .2 Closeout Submittals
  - .1 Provide operation and maintenance data for incorporation into Operation and Maintenance Manual specified in Section 01 78 00.

### **1.3 QUALITY ASSURANCE**

- .1 All electrical equipment must have CSA electrical approval or Manitoba Department of Labour electrical approval prior to being delivered to project site.

### **1.4 DELIVERY, STORAGE, AND HANDLING**

- .1 Deliver equipment to site in manufacturer's unopened packaging clearly indicating manufacturer's name, intended location in building, and any other identifying symbols or information.
- .2 Contractor to receive equipment and safely store in convenient location until installation begins. Store in ventilated areas, protected from extreme changes of temperature or humidity. Damaged equipment will not be accepted.
- .3 Equipment to be accompanied by copies of operations manual, service manual, schematics, wiring diagrams and parts list.
- .4 Cleaning and Waste Management in accordance with Section 01 74 00.

## Part 2 Products

### 2.1 MANUFACTURER

- .1 Acceptable Products.
  - .1 Undercounter Steam Scrubber Washer (Equipment No. 4).
    - .1 Labconco #4400321 Undercounter SteamScrubber.

### 2.2 EQUIPMENT

- .1 Undercounter Steam Scrubber Washer.
  - .1 Description: made from type 304 brushed stainless steel door and interior, sanitizes glassware with water that reaches 93° C (199° F) on 230 Volt models.
  - .2 Dimensions: 24.1" w x 27.4" d x 34.1-36.1" h.
  - .3 Electrical Specification: 230V, 50/60Hz, 12amps.
  - .4 Features.
    - .1 LCD for customizing cycles, monitoring water temperature and cycle progress.
    - .2 Water recirculation rate of 96 gal/min (363 liters/min) on 115 V and 230 V 50Hz models and 112 gal/min (424 liters/min) on 230 Volt 60 Hz models for thorough cleaning.
    - .3 Dual pumps, one for washing and one for draining, to reduce cross contamination potential.
    - .4 Built-in deionized water pump to bring non-pressurized or pressurized deionized or purified water into the chamber for up to six pure water rinses.
    - .5 Steam generation that produces hot vapor to penetrate and remove dried residue for cleaner glassware.
    - .6 Manual-fill detergent dispenser for powder or liquid detergent.
    - .7 Seven pre-set cycles including DRY ONLY, RINSE ONLY, PLASTIC, GLASS, GLASS PLUS, SCIENTIFIC, SCIENTIFIC PLUS, (230 Volt unit includes three additional cycles of INTENSE, INTENSE PLUS, and EXTREME).
    - .8 Two user set cycle programs; user-set delayed start of up to 8 hours.
    - .9 Forced air drying.
    - .10 Upper and lower racks of Type 304 stainless steel,
    - .11 Accommodates optional upper and lower spindle racks (without forced air drying through spindles).

### **Part 3 Execution**

#### **3.1 PREPARATION**

- .1 Verify all dimensions on site and coordinate with Contractor dimensions not available to ensure no delay to scheduling.
- .2 Provide built-in items as required to other Sections with sufficient time for incorporation into work.

#### **3.2 INSTALLATION**

- .1 Install equipment in accordance with reviewed shop drawings and manufacturer's printed installation instructions.

#### **3.3 FIELD QUALITY CONTROL AND ADJUSTING**

- .1 Contractor responsible for supervising installation, start up and testing equipment, and for adjustments to place equipment into full operation to satisfaction of Contract Administrator. Cooperate with other trades concerned in this matter.
- .2 Supplier is entirely responsible for correct functioning of equipment supplied by him. Equipment will not be accepted by Contract Administrator until equipment is installed and working to his complete satisfaction.

#### **3.4 CLEANING**

- .1 Remove packaging debris and clean adjacent surfaces immediately after installation.
- .2 Clean surfaces after installation using manufacturer's recommended cleaning procedures.

#### **3.5 DEMONSTRATION**

- .1 Provide demonstration and training for all equipment in accordance with Section 01 79 00, manufacturer's recommendations and requirements of this Section.

#### **3.6 PROTECTION**

- .1 Protect all equipment from damage until completion of construction.

END OF SECTION