

SECTION 11110 - COMMERCIAL LAUNDRY EQUIPMENT

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Washer extractors.
- B. Drying tumblers.

1.2 RELATED SECTIONS

- A. Section 033000 - Cast-In-Place Concrete: Foundation bases for equipment.
- B. Division 15 Sections for supply and exhaust fans; exhaust ductwork; service roughing-ins; drain traps; valves, pipes, and fittings; and other materials required to complete commercial laundry equipment installation.
- C. Division 16 Sections for wiring disconnect switches, and other electrical materials required to complete commercial laundry equipment installation.

1.3 REFERENCES

- A. UL Certification: Provide electric equipment and components that are evaluated by UL for fire, and electric shock according to applicable safety standards and that are UL certified for compliance and labeled for intended use.
- B. NFPA 54 - National Fuel Gas Code.
- C. NFPA 70 - National Electrical Code.

1.4 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
- B. Shop Drawings: Include plans, elevations, sections, roughing-in dimensions, fabrication details, utility service requirements, and attachments to other work.
- C. Coordination Drawings: Indicate locations of laundry equipment and connections to utilities, and clearance requirements for equipment access and maintenance.
- D. Operation and Maintenance Data: For laundry equipment to include in emergency, operation, and maintenance manuals. Include a schedule with the following:
 - 1. Designation indicated on Drawings.
 - 2. Manufacturer's name and model number.
 - 3. List of factory-authorized service agencies including their addresses and telephone numbers.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store equipment on site protected from weather, direct sunlight and temperature extremes. Do not remove packaging prior to storage.
- B. Consult manufacturer if machines are to be stored for an extended period of time.

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.7 WARRANTY

- A. Washer Extractors: Manufacturer's standard form in which manufacturer agrees to repair or replace any part of the equipment assembly that fails within specified warranty period.
 - 1. Warranty Period: Three years from date of Substantial Completion.
- B. Washer Extractors - Mainframe and Cylinder Shaft Assembly Warranty.: Manufacturer's standard form in which manufacturer agrees to repair or replace main frame, bearing, cylinder or cylinder shaft assembly that fails within specified warranty period.
 - 1. Warranty Period: Five years from date of Substantial Completion.
- C. Dryer Tumblers: Manufacturer's standard form in which manufacturer agrees to repair or replace any part of the equipment assembly that fails within specified warranty period.
 - 1. Warranty Period: Three years from date of Substantial Completion.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: UniMac/Alliance Laundry Systems, Shepard St., P. O. Box 990, Ripon, WI 54971-0990. ASD. Tel: (800) 587-5458. Fax: (920) 748-4411. Email: sales@alliancels.com. Web: <http://www.uniwash.com>., or equal.

2.2 UC WASHER EXTRACTOR MODELS AND COMPONENTS

- A. Model UC General Characteristics:
 - 1. Frame: Heavy-duty structural steel A frame.
 - 2. Construction: Cabinet front, top sides, and inner and outer tubs shall be of 304 grade stainless steel.
 - 3. Control System: 30 cycle programmable microprocessor, with cycle time remaining and cycle counter.
 - 4. Chemical Supply System:
 - a. Three compartment, manually filled dry chemical dispensing system.
 - b. Automatic flushing and connections for 4 external supply lines and control signals for 7 external supplies.
 - 5. Automatic Supply Dispenser: Self-cleaning multi-compartment dispenser
 - 6. Drain Valve: Automatic opening in event of power failure.

- B. Model No. UC20:
 - 1. Capacity: 20 lb (9 kg).
 - 2. Cylinder Volume: 2.81 cu. ft. (79.36 L).
 - 3. Extract G Force: 82.
 - 4. Drive Motor: 1 hp.
 - 5. Water Inlet Valves and Size: 2 at 1/2 inch (12 mm) with 3/4 inch (19 mm) NH male connectors.
 - 6. Drain Valves and Diameter: 1 at 2 inches (52 mm).
 - 7. Electrical Requirements: 208v-240v/60Hz/1phase.

2.3 DRYER TUMBLER MODELS

- A. Dryer Tumbler General Characteristics:
 - 1. Construction: Heavy duty embossed steel with electrostatically applied baked enamel finish.
 - 2. Control System: Programmable microprocessor with 8 auto drying cycles, ability to time dry, with variable temperature settings and wrinkle free at cycle end to allow tumble action until door opens or maximum of 60 minutes.
 - 3. Lint Filter: Self-cleaning, depositing lint to large storage area at bottom of tumbler.
- B. Dryer Tumbler Model No. UT030:
 - 1. Capacity: 30 lb (13.6 kg).
 - 2. Lint Filter: 576 sq. in. (3617 sq.cm).
 - 3. Door: High grade stainless steel door with rubber gasket and heavy duty hinge.
 - 4. Exhaust Size: 6 inches (152 mm).
 - 5. Heat Source: Electric 21 Kw.
 - 6. Electrical Requirements: 208v-240v/60Hz/1phase or 3 phase.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. System Startup and Commissioning: Arrange for a local manufacturer's representative to inspect machines prior to startup and operation.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION