

**SECTION 11 79 13
HYDROTHERAPY EQUIPMENT**

PART 1 - GENERAL

1.1 DESCRIPTION

This section specifies hydrotherapy tubs and overhead hoists.

1.2 RELATED WORK

- A. Plumbing Connections: Section 22 11 00, FACILITY WATER DISTRIBUTION AND Section 22 13 00, FACILITY SANITARY SEWERAGE.
- B. Electrical Connections: Section 26 05 21, LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES (600 VOLTS AND BELOW).
- C. Grounding of Equipment: Section 26 05 26, GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS.

1.3 QUALITY CONTROL

- A. Manufacturer Qualifications: Manufacturer regularly and presently manufactures hydrotherapy equipment.
- B. Electrical Components and Devices: UL listed and labeled for intended use.

1.4 SUBMITTALS

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Manufacturer's Literature and Data: Include the following:
 - 1. Illustrations and descriptions of hydrotherapy equipment.
 - 2. Optional auxiliary equipment and controls that will be included for project.
- C. Shop Drawings: Show details of fabrication, installation, adjoining construction, coordination with plumbing and electrical work, anchorage, and other work required for complete installation.
 - 1. Include electrical ratings, equipment and device arrangement, branch-circuit overcurrent protection, wiring diagrams, and connection diagrams.
 - 2. Include dimensions and weights of units.
- D. Field Test Reports: Indicate dates and times of tests and certify test results.

1.5 APPLICABLE PUBLICATIONS

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
- B. Scientific Equipment and Furniture Association (SEFA):

2-10.....Recommended Practices for Installation of
Scientific Laboratory Furniture and Equipment

7-10.....Fixtures

PART 2 - PRODUCTS

2.1 TANKS AND ACCESSORIES

A. Basis of Design: Parker Bath or equal.

BRAND NAME OR EQUAL PRODUCTS

In accordance with VAAR 811.104-71 (b), based on the inclusion of VAAR 811.104-71, Brand Name or Equal, bidders proposing to furnish an "equal product other than referenced in the solicitation, shall insert the following description for each equal product (See also VAAR 852.211-73 (c)(1) and (c)(2)).

Bidding On:

Manufacturer's Name: _____.

Brand: _____.

No.: _____.

B. Tanks:

1. Manufactured of molded Glass-Reinforced Plastic.

C. Accessories:

1. Motor: 245-W (1/3-hp) high-speed motor; 3450-rpm, 110-V ac, 60-Hz, electric turbine ejector-aerator with adjustment and locking device and built-in timer.

2. Thermostatic Mixing Valve: 38 L/min. (10 gal./min.).

3. Digital temperature display.

4. Over the rim water inlet.

5. Integrated disinfecting system for tub, air spa and nozzles.

6. Drain and overflow outlets.

7. Washout hose.

8. Equip with fixtures that comply with relevant requirements in SEFA

7.

2.2 FABRICATION

For electrically controlled components, wire and make connections within unit at factory.

PART 3 - EXECUTION

3.1 INSTALLATION

Install units according to manufacturer's written instructions and relevant requirements in SEFA 2.

3.2 TESTING

A. Field test installed units after water systems are pressurized for proper operation.

1. Operate hydrotherapy tubs for not less than one hour. During and after testing, there shall be no evidence of leaks, overheating, electrical malfunction, or other symptom of failure.
2. For units that fail testing, make adjustments and corrections to installation, or replace units, and repeat tests until units operate properly.

3.3 PROTECTING AND CLEANING

- A. Protect equipment from dirt, water, and chemical or mechanical injury during the remainder of the construction period.
- B. At the completion of work, clean equipment as required to produce ready-for-use condition.

3.4 INSTRUCTIONS

Instruct personnel and transmit operating instructions in accordance with requirements in 01 00 00.

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