

PREPARATORY **ELECTRICAL** SPECIFICATIONS AND GUIDELINES

**HYDROTONE THERMAL LEVEL 3i**

(Inverter Unit)

[www.hydroco.com](http://www.hydroco.com)



- The following information is to assist the electrical contractor in preparation for the delivery and installation of the Hydrotone Thermal Level **3i**.
- All electrical work performed **must** be in accordance with the local and national codes.
- An installation and user guide is supplied with the equipment.

**GENERAL DESCRIPTION** The Hydrotone Thermal Level **3i** is a stand alone hydrotherapy tub/capsule. Two removable panels surround the tub. Remove the panels to gain access to the electrical termination Box no: 1.

|                                   | <b>REQUIREMENTS</b>   |
|-----------------------------------|---|
| <b>Electrical Supply</b>          | <ul style="list-style-type: none"> <li>• L1 &amp; L2 electrical supply lines connect directly to the terminals marked "A" &amp; "N" inside Box no: 1</li> <li>• Ground connects directly to the copper busbar provided inside Box no: 1.</li> <li>• A <b>dedicated</b> 240 volt electrical supply is required.(Nth American 208-240 volt supply two phases, each phase 120 volt to Ground)</li> <li>• The electrical supply cable should exit the floor in the location as shown in the floor plan provided.</li> <li>• A 2" (50mm) clearance between the tub chassis and the floor is allowed in the tubs design. The clearance allows for the correct routing/ securing of the electrical cable.</li> </ul>   |
| <b>Wiring</b>                     | <ul style="list-style-type: none"> <li>• Electrical Terminals are suitable for connection of wire size ranges as follows: 10 to 14 AWG gauge stranded conductors or 8 to 14 solid conductors.</li> </ul>  |
| <b>Rating</b>                     | <ul style="list-style-type: none"> <li>• <b>240 volt, 50/60 Hz, 20 Amp</b></li> </ul>   |
| <b>Branch Circuit Supply</b>      | <p><b>The branch circuit supplying the tub must:</b></p> <ul style="list-style-type: none"> <li>• Be provided with a mains disconnect all pole and protected by a class "A" GFCI all pole, located and mounted in accordance with local and national codes.</li> <li>• SBSG model LC 220-D class "A" GFCI with disconnect. This unit has been specifically designed to perform with such componentry as utilized on the Hydrotone equipment. Alternative models have demonstrated excessive nuisance tripping and are therefore not suggested.</li> <li>• Obtain <b>Ground Fault Circuit Interrupter</b> from electrical supplier or HydroCo.</li> </ul>  |
| <b>Electrical Termination Box</b> | <ul style="list-style-type: none"> <li>• Electrical termination Box no: 1 is located on the tub chassis.</li> <li>• The electrician <b>must</b> provide a suitable water protective conduit bushing. A 1" (25mm) hole for bushing is located in the termination Box no: 1.</li> <li>• Ground wiring <b>must</b> be terminated inside Box no: 1 on busbar provided.</li> <li>• <b>Do not</b> connect additional ground wiring to the tubs chassis as this will interfere with the GFCI / systems operation. All grounding <b>must</b> be terminated on copper busbar in Box no: 1.</li> <li>• Ensure that the lid of the electrical termination box is secured tightly after completion of termination. This will provide a water-protective rating of the box.</li> </ul> |
| <b>Important</b>                  | Upon completion of electrical connection, ensure that no metal pipes or fittings such as water or drainage pipes are in contact with the tubs metal framework.  |

*Manufacturer reserves the right to amend specifications without prior notice*

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