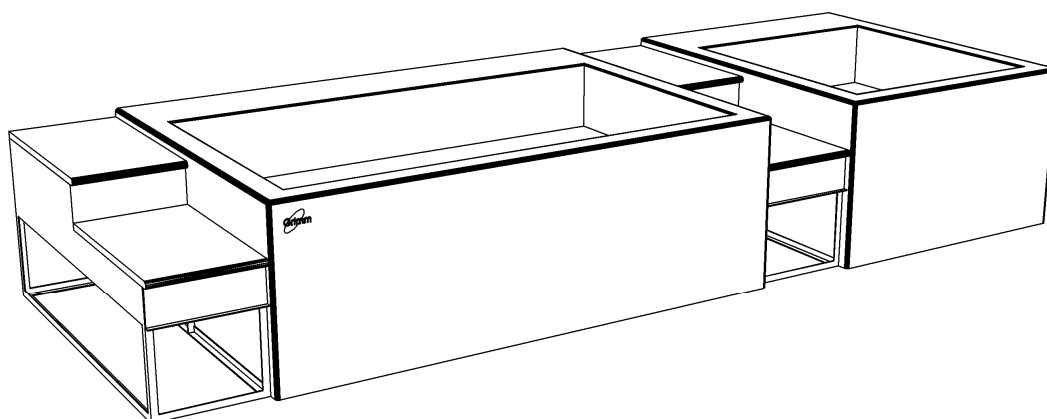


**Model 4991 Cold<sub>2</sub> Warm Hydrotherapy Console**

A versatile and efficient hydrotherapy system for treating multiple athletes. Its stainless steel cold and warm plunge tanks offer seated, waist-high and extremity immersion. Water temperatures are precisely maintained with an internal refrigeration system. No need to add ice or hot water. Standard protocol recommends draining and cleaning only once a week. This self-contained unit fits through a 42" x 96" opening and can be installed in new or existing hydrotherapy areas with minimum site preparation.

**Specifications:****Cold Tank****Cold<sub>2</sub>Warm Tank**

Weight / Tank Empty	3,940 Pounds	
Weight / Tank Full	13,164 Pounds	
Tank Size	108" L x 60" W x 34" D	60" L x 54" W x 34" D
Tank Volume	752 Gallons	353 Gallons
Tank Surface Area	45 Square Feet	22.5 Square Feet
Tank Perimeter	28 Feet	19 Feet
Tank Construction	12 Gauge, Type 304 Stainless Steel	12 Gauge, Type 304 Stainless Steel
Frame Sizes	40" H x 84" W x 144" L	40" H x 84" W x 90" L
Water Temperature Range	40° F to 70° F	40° F to 104° F
Refrigeration System	2-1/4 HP Water Cooled	
Electrical Supply	208 Volt, Single-Phase, 60 Hertz	
Full Load Amperage	38 Amps Max	
Circuit Breaker	2 Pole, 50 Amp GFCI	
Cold Water Supply	Pipe Size = ¾" Copper PSI = 20 Min. 80 Max.	
Gravity Drain Outlet	Pipe Size = 1.5" Copper Max Flow = 61 GPM	

**Stainless Steel Tanks**

The left tank is 108" long, 60" wide, and 34" deep, with a capacity of 752 gallons. The right tank is 60" long, 54" wide, and 34" deep, with a capacity of 353 gallons. It is formed and welded from 12-gauge Type 304 stainless steel into a seamless unit with coved corners for easy cleaning. This high-quality stainless-steel tank assures maximum sanitation and provides a lifetime of durable service.

**Corian Surface**

The exterior is covered with Cameo White Corian solid surface material. This comfortable and easy to clean surface is extremely durable. A wide variety of Corian colors are available for the step surfaces.



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**Recirculation System**

The recirculation system includes 100 sq. ft. cartridge filters with an integrated tablet brominator, 1-1/2-HP dual speed self-priming pumps with flow sensing switch and electrical interlock, and VGB suction outlets.

Pumps	Waterway 1-1/2 HP Dual Speed #3420620-1A	
Filters	Waterway 100sq.ft. Top-Load Cartridge Filter #500-9950	
Chemical Feeders	10 Tablet Brominator Integrated into Filter	
Heater	HydroQuip 5.5kW #28-F0313-7T-GRI	
Inlets	Waterway – Body: 210-5860, Jet w/3/8" Dia. Orifice: 210-8750	
Design Flow Rate (Low Speed)	Left Tank = 35 GPM	Right Tank = 35 GPM
Turnover in 8 Hours	Left Tank = 16,800 Gallons	Right Tank = 16,800 Gallons
Turnover Rate	Left Tank = 21.5 min.	Right Tank = 10.1 min.

**Gravity Drain**

A large 1-1/2" gravity drain outlet located in the center of the stainless-steel tank with creases directing water to the outlet and a hand operated ball valve that simplifies draining and cleaning.

**Water Level Control**

Both tanks have an automatic control to maintain a constant 32" deep water level. This eliminates manual filling and accidental overflows when refilling the tank.

**Refrigeration System**

A self-contained energy efficient 2-1/4 HP refrigeration system chills the water and heat removed from the cold tank is recovered to supplement heating the warm tank. The warm tank can also be switched to cold when both tanks are needed for cryotherapy. This system is charged with environmental friendly, zero ozone depletion potential, R-407A refrigerant.

**Temperature Controls**

Electronic controls accurately maintain and digitally display water temperatures to within 0.1°F in both tanks. The left tank is adjustable from 40°F to 70°F, the right tank from 40°F to 110°F.

**Optional Corian Logo Inlays**

Logo inlay pricing is based on the number of Corian colors required. Your logo is carved into the Corian exterior with a CNC router. Individual logo pieces are also carved from the desired Corian color(s) and inlaid to create your custom graphic.

**Foamed-In-Place Insulation**

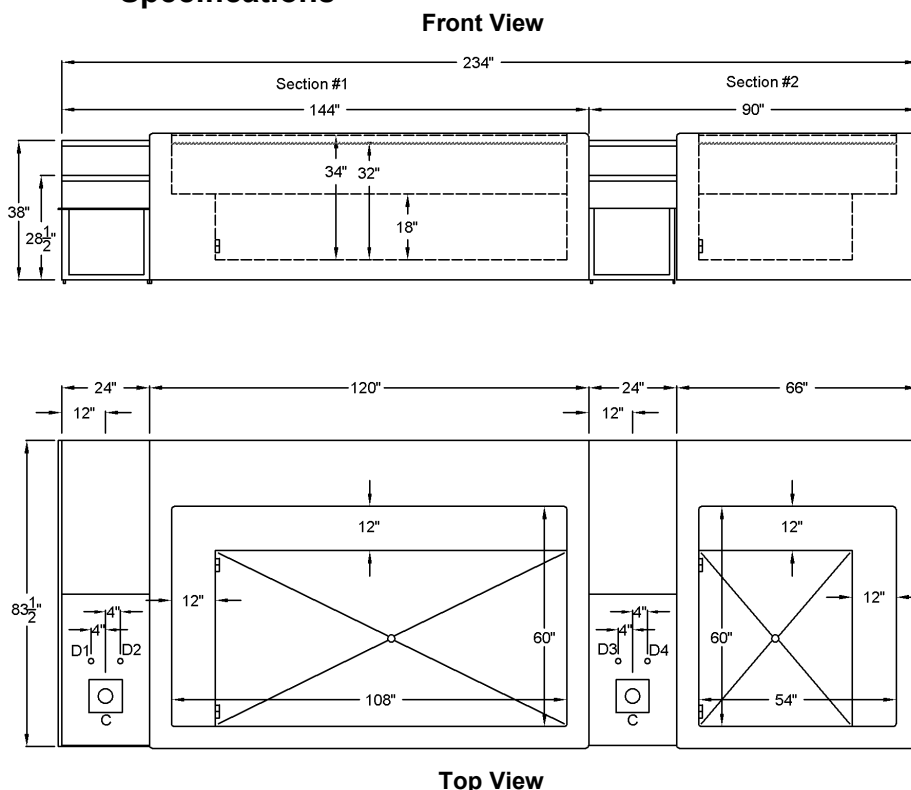
At least six inches of foamed-in-place polyurethane insulation surrounds and supports the tank. This exceptional insulation significantly reduces heat loss. CRYOTherm saves with energy and water savings when compared to conventional whirlpools.

**Installation**

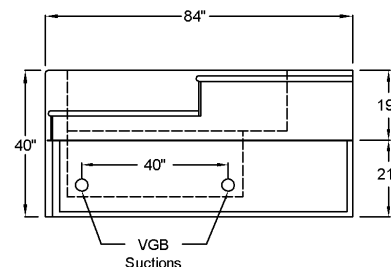
Delivery, installation supervision, and field-testing are provided with the CRYOTherm Cold & Warm Hydrotherapy Console.



## Specifications



Right Side View

**FDA Listed Medical Device**

**Built to Meet UL 1795 Standard for Safety – Hydrotherapy Bathtubs**  
**Optional: ETL Field Certification**

Left Tank.....	40°F to 70°F
Right Tank.....	40°F to 110°F
Left Tank Capacity.....	752 gal.
Right Tank Capacity.....	353 gal.
Weight (Filled).....	13,164 lb.
Weight (Empty):	
Section #1 .....	2,130 lb.
Section #2 .....	1,810 lb.

**One-Year Warranty**

The CRYOTherm warranty applies to purchaser and any subsequent owner. Grimm Scientific Industries, Inc. (warrantor) warrants this product to be free from defects in material and workmanship under normal use for one year from the date the product is installed. The warrantor may opt to replace the product, rather than repair it. This warranty does not cover damage resulting from accidents, improper use, or maintenance of this product, and in no case shall warrantor's liability exceed the original purchase price paid for the product. This warranty is expressly in lieu of all other express warranties.

**Contact Us:**

Grimm Scientific Industries, Inc  
P.O. Box 2143  
Marietta, OH 45750  
Phone....800-223-5395  
Fax.....740-374-5745  
E-mail....info@grimmscientific.com

**A = Electrical Connection**

**208/230 Volt, 60 Hertz, Single Phase 4-Wire**

Rating at Full Load = 38 Amp Max

\* Circuit Breaker = 2-Pole, 50 Amp, GFCI

\* Wall Outlet = NEMA 14-50R

(\* Supplied by Customer)

**B = Cold Water Supply Connection**

Pipe Size = 3/4 FPT Brass

Water Pressure = 20 PSI Min. 60 PSI Max.

Water Temperature = 45°F Min. 80°F Max.

\* Backflow Preventer

(\* Supplied by Customer)

**C = Drain Outlet**

Pipe Size = 1-1/2" Copper

Flow = 61 GPM Max.

\* Floor Sink with 4-Inch drain is recommended

(\* Supplied by Customer)



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