



## MODEL: CR-12 240 Volts 1 Phase

### ELECTRICAL REQUIREMENTS

Breaker/Fuse Size 70 Amps  
Power Supply Wire Size\* #4 AWG

Watts 12,000  
Hz 60  
Volts 240  
Phase 1

\* Must use supply wires suitable for 90°C.  
Wire size may differ depending on temperature rating; consult with certified Electrician.



### PLUMBING REQUIREMENTS

Steam Lines Required\* 2  
Steam Line Size ¾"  
Water Supply Size\*\* ½"  
Drain Line Size\*\*\* ¾"

\* Steam lines must be type 'L' rigid copper.  
\*\* Water supply is reduced to factory supplied ¾" connection.  
\*\*\* Drain line is optional; if drain plug is removed, shut-off valve MUST be installed.

### DIMENSIONS & WEIGHT

Length 16"  
Width 16 ⅝"  
Height\* 11"  
Weight 49 lbs

\* Height is measured from bottom of unit to the top of the union on the steam line.

### STEAM GENERATOR SELECTION

To select the correct size of steam generator, add the cubic footage of the shower with the appropriate adjustment to determine the calculated cubic footage:

1. Length x Width x Height = CUBIC FOOTAGE. Do not deduct for seating.
2. Add appropriate adjustment to account for heat loss through materials:

Acrylic or Fiberglass .....	No adjustment
Ceramic Tile, ¼" thick, or Cultured Marble .....	+ 30%
Ceramic Tile, ⅜" thick or thicker .....	+ 100%
Glass or Glass Block wall .....	+ 15%
Natural Stone or ½" thick material .....	+ 100%
Steam lines over 25 feet (insulate heavily) .....	+ 25%
Cast Iron Tub .....	+ 25%
Exterior walls subject to freezing .....	+ 30%

3. Select the generator that corresponds to your calculated cubic footage:

Model Number	CR-9	CR-11	CR-12	CR-14
Maximum Calculated Cubic Feet	375	460	545	630

4. Line voltage must be specified when ordering. **Units available in 240 or 208 Volts, 1 Phase. Single family dwellings usually have 240 Volts AC while condominiums usually have 208 Volts AC.** Note: Use Copper Wire Only.

#### DISCLAIMER:

The above information represents suggestions only. Each steam room is unique. Relax-A-Mist® manufactures steam generators only and therefore cannot warrant information given regarding steam room materials or construction techniques. Final selection of the steam room temperature setting and the duration of stay, is at the discretion of the operators or owners. Leisure Baths Ltd. shall not be held responsible for any errors in catalogues, brochures, or other printed material. As we are continuously improving and developing our products, we reserve the right to alter products or introduce modifications to the technical data at any time, without notice; therefore, we cannot accept legal liability for the information given, nor for any printing mistakes that may have occurred.

### Relax-A-Mist® Steam Equipment Specifications

Supply and install one only CSA approved, pre-tested, automatic, electric, Relax-A-Mist® steam bath generator complete with internal switching and digital control. See our pricing guides for part numbers and available finishes and controls.

1. The steam unit shall be a Relax-A-Mist® model CR-12 rated at 240 Volts AC, 60 hz, 1 Phase power.
2. The appliance shall be assembled and wired at the factory, ready for the connection of power supply and ground wires, control switch, water supply, steam line piping, and any optional accessories.
3. The appliance shall be supplied complete with:
  - a) A 16 gauge powder coated steel outer jacket with:
    - 1 inch of insulation surrounding the inner copper boiling tank
    - separate boiling tank, supply voltage and low voltage compartments
    - bonding to a copper grounding lug
  - b) The water boiling tank is to be:
    - made of a non-ferrous copper material that is electrolytically compatible with copper piping, and the electric heater element fastened to the steel outer jacket with legs
    - a dual chamber for boiling and controlling the water level
    - bonded to a copper grounding lug
  - c) A 240 Volt copper sheath immersion heater element, mounted in a copper pan assembly with an element thermal protection device.
  - d) An electronic water level control device with no moving parts inside the boiling tank compartments.
  - e) A low water heater cutoff.
  - f) One only, water resistant digital timer switch (plug and play) with numeric display, maximum 60 minutes, counts down to 1 minute and automatically turns off. Includes an 22 gauge solid copper wire plug and play cord set, bonded to a copper grounding lug.
  - g) All controls protected by a transformer and 1 amp fuses.
  - h) All non-current carrying metal parts are bonded to a copper grounding lug.
  - i) Two plated zinc die cast steam nozzles with a minimum  $\frac{3}{4}$  inch diameter flow-through capacity and a  $\frac{3}{4}$  inch discharge capacity; complete with a collar that fits the escutcheon to accommodate various brass nipple installation lengths. The nozzles include an aromatic scent well and diffuser passage.
  - j) Two plated zinc die cast escutcheons, sized to accommodate the steam nozzle adjustment collar.
  - k) A non-pressurized safety flow steam system.
  - l) A  $\frac{3}{4}$  inch drain line for the optional connection of a manual or electric drain valve.
  - m) One brass union to connect steam piping.
  - n) One hose connection: brass union to  $\frac{3}{8}$ " copper tubing to connect the water supply.
  - o) Complete written installation instructions with diagrams.

#### **AVAILABLE FINISHES**

**Chrome**  
**Brushed Nickel**  
**24K Gold**  
**Venetian Bronze**  
**Matte Black**  
**Champagne Bronze**

Custom finishes may be ordered, please enquire for details and pricing.

#### **OPTIONAL ACCESSORIES**

##### **Time & Temperature Control**

Electronic digital control with time and temperature settings and handheld remote.

**Drain Valve - Manual,  $\frac{3}{4}$ "**

**Drain Valve - Automatic, Electronic,  $\frac{3}{4}$ "**

**Steam Nozzle Guard, Acrylic**

**Steam Nozzle Drip Tray, Acrylic**

See Pricing Guides for additional accessories and options.