STEAM SAUNA BENEFITS

Hydration for good health:
When in the steam room, you will find your skin getting wet; this is not only because you will be sweating, but it is also coming from the steam. When the room fills with steam, it is not uncommon for your hair/skin to have a white appearance; this is normal due to the water particles on your hair.

It is very important to stay hydrated when using a steam room. This will ensure that proper hydration and ensure bodily functions will work properly. Dehydration can come about quickly and is something you want to avoid at all costs.

Health Benefits:
- Soothes your mind & body to relieve stress and relax muscles.
- Increases body metabolism.
- Helps eliminate toxins.
- Boosts your immune system.
- Relieves discomforts of asthma, allergies, and arthritis.
- Relieves throat irritation by moistening the air.
- Keeps mucous membranes from excessive drying.
- Relieves coughing.
- Relieves inflammation and congestion of the upper respiratory mucous membranes.
- Loosens secretions and stimulates discharge of mucus from the throat and lungs.

Beauty Benefits:
- Intensive and comprehensive cleansing effect on your skin.
- Enhances circulation and blood flow to your skin.
- Nourishes your skin with nutrients.
- Superior to body wraps in treatment of cellulite.
- Emulsifies the fat of sebaceous glands.
- Enhances the development of collagen.
- Hydrates dry skin.

STEAM RANGER™ FEATURES

AUTOMATIC FLUSH (Conventional)
Automatically flushes out the boiling water through the motorized drain valve when the system stops. Comes with the option of manual flush.

i-CLEANING: Exclusive, upgraded from Automatic Flush
Pressurized city water hits the sloped bottom of the boiling tank, flushes sediments out, and repeats the cycle three times, resulting in complete sediment removal. Optimizes efficiency and hygiene, prevents sediment buildup, and extends unit life.

THE INSTANT STEAM:
Steam-On-Demand
You get steam instantly, no waiting time. Automatically switches from the standby mode by the touch of a button.

i-TOUCH CONTROL
Innovatively designed, elegant looking touch pad with built-in 30-min. operation is compatible with other master controllers.

100% DIGITAL CONTROL SYSTEM
The steam functions are fully controlled by a programmable microprocessor.

304 STAINLESS STEEL
Type 304 high-quality Stainless Steel enclosure.

MIW TECHNOLOGY
Advanced MIW technology ensures accurate water level detection.

POWER ADJUSTABLE
With the Steam Ranger™ Unit, you have the complete flexibility of usage, and can change the steam density from very low to very high as per your individual needs.

6-YEAR LIMITED WARRANTY
6-year limited warranty or optional lifetime warranty offers you a worry-free lifestyle.

LOW DENSITY
Industrial process low-density 800 series Incoloy heating elements, corrosion-resistant.

90-MIN. SAFETY SHUTOFF
Built-in 90-min. safety automatic shutoff.

EASY FITTING
All compression fitting connections make installation quick and simple.

SUPER-QUIET
Super-quiet operation, continuous smooth steam.

ENERGY STAR
Energy-efficient - saves you money, due to compact design and low water consumption.
STEAM GENERATOR SELECTION

1. Calculate the steam room’s volume \( V \) in cubic feet by multiplying its length \( L \) x width \( W \) x height \( H \) (in feet).

2. Based on the construction design, determine one of the highest applicable factors from the following and multiply it by \( V \):
   1. If Ceramic Tiles, Glass Tile, or Block is used, multiply \( V \) by 1.3.
   2. If there is an external wall, or your steam room is in the basement, multiply \( V \) by 1.6.
   3. If Natural Stone, Marble, Slate, or Granite is used, multiply \( V \) by 2.0.

3. Install the Steam Ranger™ unit under the vanity, in an adjacent closet, on a shelf, or in the basement; it can be placed up to 50 feet (15 m) from your steam room.

STAINLESS STEEL ENCLOSURE

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>KW MAX</th>
<th>CU FT RANGE</th>
<th>Volts/Phase/amps</th>
<th>MAX DIM L x W x H (w/drain)</th>
<th>SHIPPING WEIGHT</th>
<th>BLUE ENCLOSURE</th>
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</thead>
<tbody>
<tr>
<td>RV9</td>
<td>8.5</td>
<td>50-375</td>
<td>240/1/38</td>
<td>15&quot;x5&quot;x12&quot;</td>
<td>24 lbs</td>
<td></td>
</tr>
<tr>
<td>RV13</td>
<td>13</td>
<td>50-600</td>
<td>240/1/55</td>
<td>15&quot;x8&quot;x12&quot;</td>
<td>30 lbs</td>
<td></td>
</tr>
<tr>
<td>RV15</td>
<td>15</td>
<td>50-700</td>
<td>240/1/63</td>
<td>15&quot;x8&quot;x12&quot;</td>
<td>30 lbs</td>
<td></td>
</tr>
<tr>
<td>RV18</td>
<td>18</td>
<td>50-800</td>
<td>240/1/75</td>
<td>15&quot;x8&quot;x12&quot;</td>
<td>30 lbs</td>
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<tr>
<td>RS50</td>
<td>3.0</td>
<td>50-90</td>
<td>240/1/13</td>
<td>23&quot;x7&quot;x10&quot;</td>
<td>25 lbs</td>
<td></td>
</tr>
<tr>
<td>RS100</td>
<td>4.5</td>
<td>90-150</td>
<td>240/1/19</td>
<td>23&quot;x7&quot;x10&quot;</td>
<td>25 lbs</td>
<td></td>
</tr>
<tr>
<td>RS150</td>
<td>6.5</td>
<td>150-250</td>
<td>240/1/27</td>
<td>23&quot;x7&quot;x10&quot;</td>
<td>25 lbs</td>
<td></td>
</tr>
<tr>
<td>RS250</td>
<td>8.5</td>
<td>250-375</td>
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<td>23&quot;x7&quot;x10&quot;</td>
<td>25 lbs</td>
<td></td>
</tr>
<tr>
<td>CS11</td>
<td>11</td>
<td>300-500</td>
<td>240/1/46</td>
<td>25&quot;x9&quot;x10&quot;</td>
<td>30 lbs</td>
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</tr>
<tr>
<td>CS13</td>
<td>13</td>
<td>400-600</td>
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<td>25&quot;x9&quot;x10&quot;</td>
<td>30 lbs</td>
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<td>25&quot;x9&quot;x10&quot;</td>
<td>30 lbs</td>
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<tr>
<td>CS24</td>
<td>24</td>
<td>up to 1200</td>
<td>240/1/100</td>
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<tr>
<td>CS30</td>
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<td>60 lbs</td>
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</tr>
<tr>
<td>CS36</td>
<td>36</td>
<td>up to 1800</td>
<td>240/1/150</td>
<td>25&quot;x9&quot;x18&quot;</td>
<td>60 lbs</td>
<td></td>
</tr>
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</table>

*Our steam units are available up to 60kW. If the required room size exceeds the listed above, please contact the manufacturer.

Feature Package

1. AUTOMATIC FLUSH (Conventional)
   Automatically flushes out the boiling water through the motorized drain valve when the system stops. Comes with the option of manual flush.

2. i-CLEANING: The Self-Cleaning System (Exclusive, upgraded from Automatic Flush)
   Pressurized city water hits the sloped bottom of the boiling tank, flushes sediments out; repeats the cycle three times, resulting in complete sediment removal. Optimizes efficiency, hygienic, prevents sediment buildup, and extends unit life.

3. i-COOLING: Built-in Drain Cooling System
   The innovative technology is designed to drop down water temperature below 140°F during flush. Ensures that only pre-cooled water is flushed out (eliminating the need for a cool down tank), and provides draining inside the steam room safely.

4. STEAM-ON-DEMAND: The Instant Steam
   You get steam instantly, no waiting time. It automatically switches from the standby mode by the touch of a button.

MODEL

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<th>BLUE ENCLOSURE</th>
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<tr>
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<td>3.0</td>
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For calculating the steam room’s volume, use the formula:

\[ V = L \times W \times H \]

Where \( V \) is the volume in cubic feet, \( L \) is the length, \( W \) is the width, and \( H \) is the height of the steam room in feet.
STEAM ROOM CONSTRUCTION
1. Determine the Room Size (L x W x H) based on the occupancy. Optimum height: 8'.
2. Insulate the walls and ceiling with fiberglass (R12) between studs (2 x 4 metal or Kiln-dried wood, 16" c/c) and ceiling joist.
3. Rough-in:
   - Steam controller (54" above the floor).
   - Temperature sensor: (5" above door) away from the steam heads (6" above floor).
   - Floor drain: close to the steam head(s).
   - Light with waterproof housing.
   - Waterproof speakers.
4. Cover studs with min. 5/8" plywood.
5. Install vapor barrier (high-temperature blue skin or equivalent) overlap seams and seal completely from ceiling/walls/benches to the floor pan.
6. Install min. 5/8" cement board.
7. Select the interior finish and apply on it, using flex tile #52 White or equivalent thin set use epoxy grout for maximum life span.
8. Slope ceiling & benches.
9. Install frameless tempered glass door with gasket.
10. Locate the steam generator in a place with easy access to city water, floor drain, and power supply. The best locations can be close to the furnace, power panel in the basement, laundry room, vanity, closet, etc.
11. Select a steam generator, based on the following characteristics:
   - CSA-, UL-approved.
   - Compact Design.
   - Energy-efficient.
   - Longer Life.
   - Easy to install.
   - Safety Auto-shutoff.
   - 100% Digital Design.
   - User-friendly.
   - Maintenance-free.

STEAM GENERATOR INSTALLATION GUIDE
1. Power supply as per specifications of the steam generator(s).
2. The power cable size and breaker size are to be determined, according to Local Building Codes.
3. Low-voltage electrical wiring for the control panel runs from the steam generator to the location inside/outside the steam room.

PLUMBING
1. 1/4" Water incoming line c/w compression fitting for 1/4" Copper tube.
2. 1/2" Drain pipe runs to the floor drain c/w compressing for 1/2" Copper pipe.
3. 1/2" Steam outlet(s) c/w compression fitting for 1/2" Copper pipe.
Ritz-Carlton Hotel
Park Hyatt Hotel
Mandalay Bay Resort
Omni Resort Hotel
Hilton Hotel
Crown Plaza Hotel
Radisson Hotel
Marriott Hotel

Barrie YMCA
Phoenixville YMCA
YMCA of Rome
YMCA of Kingston, NY
YMCA of San Francisco

New York Country Club
Congressional Country Club
Beverly Hills Country Club
Richmond Hill Country Club
World Gym

Michigan State University
Iowa State University
Florida State University
Georgian College

Heaven on the Earth Spa
Danger Figure Spa
Sandals Resort Spa
The Meritage Resort Spa
The Elmwood Spa

St. Mary’s Memorial Hospital

and many more...

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