



STEAMSAUNA



STEAMMASTER

Heavy Duty Commercial
Steam Room Systems



Enjoy
Relax
Rejuvenate

Company Profile

- ❖ Founded in 1968.
- ❖ CSA-Certified since 1974.
- ❖ UL-listed since 1987.
- ❖ ISO 9001:2015-registered from 2005.
- ❖ An affiliate member of HFA, ISPA, and a YMCA supplier nationwide.
- ❖ Nominated as one of the top 100 Vendors of the North American Construction Group.



Testimonials

I LOVE the unit you sold us, it's one of the most compact. I've ever seen. From the feedback I received, after we bypassed the "on-demand" option, it worked like a champ.

- Regional Facilities Manager, New Mexico Sports & Wellness, Wellbridge, NM

I was impressed with how easy you make it to connect, with all the labels on the unit explaining what gets connected to what and which end is up!!!

- VP for Center Development, AmSurg Corporation, Nashville, TN

They are great for any aspect of building steam rooms and sauna, from consulting, designing, and also providing equipment.

- Area Facilities Manager, Spectrum Athletic Clubs, San Antonio, TX

The steam generators are amazing!!! The scent filled up the entire spa and hallways of the hotel, it is awesome!!!

- Spa Accounts, Spa Equipment Inc., Calistoga, CA

Fantastic! Excellent Service as always! We are extremely happy with the quality of the products and the professionalism of the services rendered.

- Saad Group of Companies, Kingdom of Saudi Arabia

Excellent product – we get lots & lots of compliments.

- Spa Savanna, Montreal, QC

I am happy, no, ecstatic, to say that the steam generator is running great.

- Cleveland County Family YMCA, NC

Leading architects & prestige projects

★ Manhattan, NY Perkins Eastman
Gruzen Samton
LLP Tsao & McKown Architects
30 Lincoln Center
20 Pine St.
15 Williams St.

★ Hughes Condon Marler Architects
Brisbin Brook Beynon Architects
Kasian Architects
Hillcrest Park Rec. Centre,
BC Blue Jays
Clubhouse, ON Clubhouse,
ON Stadium, AB

★ Quadrangle Architects Ltd.
Interics Design
Amtumovich Associates
Studio Architecture
LA Fitness, ON
Gold's Gym Canada, AB
Fitness Formula Clubs, IL
Results The Gym,
Washington, DC

★ MacLennan Jaukalns
Miller Architects
Architectural Resources
Cambridge
Rife + Wood Architects
Innisfil YMCA, ON
Keene Family YMCA, MA
Staunton-Augusta YMCA, VA

○ Heavy Duty Commercial Steam Unit

A Combination of Exclusive Features



Energy Saving Star

Steam Master™ generators are equipped with a programmable CPU for advanced multi-stage operation. Take control of power savings with smart energy solutions:

- ◆ The compact design of the Energy Saving Star optimizes energy efficiency.
- ◆ The multi-stage operating system results in lower energy consumption.
- ◆ Our advanced technology achieves higher performance with a lower kilowatt rating.
- ◆ Its LCD digital controller programs your way to saving energy.



i-Cleaning System

Our unique Self-Cleaning System is designed to extend the life expectancy of your unit by keeping it clean. The Self-Cleaning System:

- ◆ Uses city water pressure to power flush through the unique sloped bottom of the boiling tank at the end of each working day, or as required.
- ◆ Repeats the cleaning cycle 10 times in 30 minutes.
- ◆ Completely flushes out sediments.
- ◆ Ensures optimum efficiency and peak performance.



Built-In Drain-Cooling System

The innovative technology of the Steam Master™ Built-In Drain-Cooling System cools down hot water before flushing it out of the unit. The Drain Cooling System:

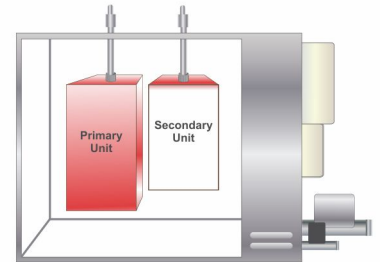
- ◆ Ensures that only pre-cooled water is flushed through the motorized drain valve.
- ◆ Eliminates the need for a drain cooldown tank.
- ◆ Saves money.



Hands-Free 2-in-1 System

The exclusive SteamMaster™ hands-free 2-in-1 System is two operating units built into one, designed to keep the room hot and always full of steam for the complete satisfaction of your club members. In the 2-in-1 System:

- ◆ The primary and secondary systems work together to bring the room up to the desired pre-set temperature when the unit starts in the morning.



- ◆ The primary system with lower kilowatts runs constantly, keeping the room always full of steam.
- ◆ The secondary system kicks in whenever the thermostat calls for more heat.

This is what your members want – A Room Always Full of Steam! – Guaranteed.



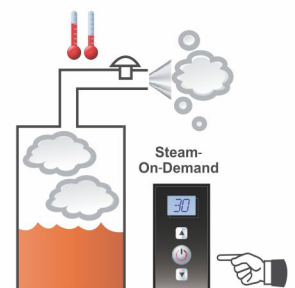
Stand-by Binary System

Our Stand-by Binary System is a perfect choice for instant or non-stop performance, combined with energy savings. This unique feature provides you with the option of standby and binary stage systems.

- ◆ You have the flexibility of dual temperature settings.

- ◆ The steam unit heats up the steam room to the first stage of the pre-set temperature.

- ◆ With the touch of a button or the dial timer, the primary temperature setting jumps to the secondary stage, and the unit starts pumping extra steam.



- ◆ You provide steam at the user's demand.
- ◆ You give your customers instant steam – no waiting time.



Digital Control

Executive Series - Heavy Duty Commercial Steam Unit

Step 1. Model Selection

	MODEL	CU FT (RANGE)	KW (MAX)	3 PHASE	1 PHASE
 ES 9-ES 30 27"x9"x19"	ES 7.5	375	7.5	240V / 18A, 208V / 21A 480V / 9A, 600V / 7A	240V / 31A, 208V / 36A 480V / 16A, 600V / 13A
	ES 9	500	9	240V / 22A, 208V / 25A 480V / 11A, 600V / 9A	240V / 38A, 208V / 43A 480V / 19A, 600V / 15A
	ES 12	750	12	240V / 29A, 208V / 33A 480V / 14A, 600V / 12A	240V / 50A, 208V / 58A 480V / 25A, 600V / 20A
	ES 15	1000	15	240V / 37A, 208V / 42A 480V / 19A, 600V / 15A	240V / 63A, 208V / 72A 480V / 32A, 600V / 25A
	ES 18	1250	18	240V / 44A, 208V / 50A 480V / 22A, 600V / 18A	240V / 75A, 208V / 87A 480V / 38A, 600V / 30A
	ES 21	1500	21	240V / 51A, 208V / 59A 480V / 26A, 600V / 21A	240V / 88A, 208V / 101A 480V / 44A, 600V / 35A
 ES 36-ES 60 29"x14"x24"	ES 24	1750	24	240V / 58A, 208V / 67A 480V / 29A, 600V / 24A	240V / 100A, 208V / 115A 480V / 50A, 600V / 40A
	ES 27	1875	27	240V / 65A, 208V / 75A 480V / 33A, 600V / 26A	240V / 113A, 208V / 130A 480V / 57A, 600V / 45A
	ES 30	2000	30	240V / 73A, 208V / 84A 480V / 37A, 600V / 29A	240V / 125A, 208V / 144A 480V / 63A, 600V / 50A
	ES 36	2250	36	480V / 44A, 600V / 35A	480V / 75A, 600V / 60A
	ES 42	2400	42	480V / 51A, 600V / 41A	480V / 88A, 600V / 70A
	ES 48	2685	48	480V / 59A, 600V / 47A	480V / 100A, 600V / 80A
	ES 60	3285	60	480V / 73A, 600V / 58A	480V / 125A, 600V / 100A

Step 2. System Feature Package Selection

1. Control Package

Comes with 24/7 digital timer, digital thermostat, electronic temperature sensor, 3/4" or 1" steamheads, electronic count down time.



Option A. Standby Binary Setting

-Programmable dual-stage operation-Steam-on-Demand

The perfect choice for instant or non-stop performance, combined with energy savings. The unit heats up the steam room to the first stage of the pre-set temperature. With the touch of a button or the dial timer, the temperature jumps to the secondary stage; the unit starts pumping extra steam at the user's demand.



Option B. Hands-free 2-In-1 System

-Multi-stage operation-Constant steam

Hands-free 2-in-1 System means two operating units built into one. The primary system to run constantly, keeping the room always full of steam. The secondary system kicks in whenever the thermostat calls for more heat. The Room Always Full of Steam!-Guaranteed.

2. i-Cleaning: The Exclusive Self-Cleaning System



Dual water inlet/flush construction, using pressurized city water hits into the sloped bottom of boiling tank, flushing sediment out; repeats cycle ten times resulting in complete sediment removal. Optimizes efficiency, hygienic, prevents sediment buildup, and extends unit life.

3. i-Cooling System: 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 (eliminates the need for a cooldown tank), and provides draining inside the steam room safely.

Step 3. Accessories & Field Installation Plumbing Kit



ENERGY SAVING COMPARISON

Steam Room Size	Steam Master™	Others	\$ Saved to operate No. of Tvs
6' x 8' x 7.5'	7.5 KW	9 KW	14
8' x 8' x 7.5'	9 KW	12 KW	28
10' x 10' x 7.5'	12 KW	18 KW	57
11' x 12' x 7.5'	15 KW	24 KW	85
10' x 15' x 7.5'	18 KW	30 KW	113
10' x 20' x 7.5'	21 KW	36 KW	142
15' x 15' x 7.5'	24 KW	48 KW	226
2000 cu ft	30 KW	48 KW	170
2250 cu ft	36 KW	60 KW	226
2500 cu ft	42 KW	60 KW	170
2750 cu ft	48 KW	72 KW	226
3250 cu ft	60 KW	108 KW	453

*TV Sample used is Samsung 46" LED TV, Power Consumption 106W

ENERGY SAVING CALCULATION

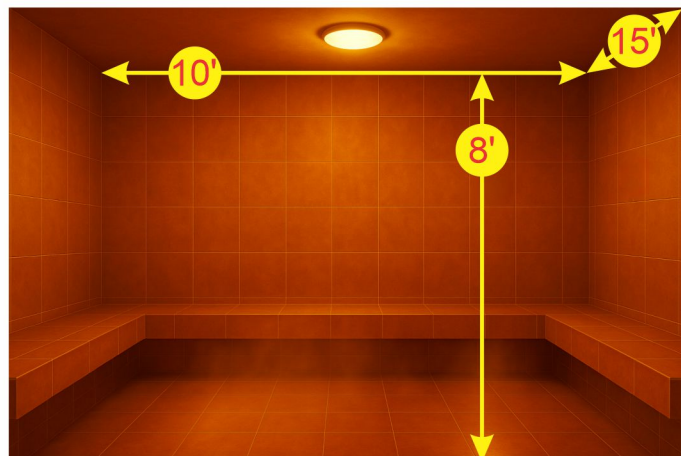
Steam Room Size:	10'x10'x7.5' up to 750 Cu.ft.
Recommended Model:	ES12 (12 KW) with 2-in-1 system
Assuming room in use:	7 am – 11 pm (16 hours)
Primary Stage of Unit:	4 KW
Power Consumption:	4 x 16 = 64 KWH
Secondary Stage of Unit:	8 KW
Power Consumption:	8 x 6 = 48 KWH
Total Daily Consumption:	64 + 48 = 112 KWH
Other Brands	18 KW, runs for 2/3 of the time
Daily Consumption:	18 x 16 x 2/3 = 192 KWH 192 - 112 = 80 KWH
Energy Savings:	80 KWH x \$0.20/KWH = \$16.00 per day

○ Calculate Sizing

$$L \times W \times H = \text{Cubic Feet (Cu.Ft.)}$$

No applicable factor required.

1. Calculate: $L \times W \times H = \text{Cubic Feet}$
Example: $15' \times 10' \times 8' = 1200 \text{ CuFt}$
2. Pick Your Model
Example: Model ES18



Model	ES 7.5	ES 9.0	ES 12	ES 15	ES 18	ES 21	ES 24	ES 27	ES 30	ES 36	ES 42	ES 48	ES 60
KW	7.5	9	12	15	18	21	24	27	30	36	42	48	60
CU FT	375	500	750	1000	1250	1500	1750	1875	2000	2250	2400	2685	3285

○ How to Build an Ideal Steam Room

1. Determine the Room Size (L x W x H), based on the occupancy.
Average room height is 8' with sloped ceiling.
2. Insulate 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), if selected inside/outside steam room.
 - Temperature sensor: (5" above door) away from the steam heads (6 to 12" above floor).
 - Floor drain: close to the steam heads.
 - Light with waterproof housing.
 - Waterproof speakers.
4. Cover studs with min 5/8" foam board.
5. Install min. 3/4" foam board under ceiling.
6. Install vapour barrier (high-temperature blue skin or equivalent) overlap seams and seal completely from ceiling/walls/benches to the floor pan.
7. Select the interior finish and apply on it, using flex tile #52 or equivalent thin set use epoxy grout for maximum life span.
8. Sloped ceiling 1½" per foot/sloped benches ¼" from back to front.
9. Install frameless tempered glass door with gasket which sealed around.
10. The steam unit must be located in a clean and dry location, such as mechanical room with easy access to city water, floor drain and power supply.
11. Select a Steam Unit, based on the following characteristics:
 - CSA-, UL-approved.
 - Energy-efficient.
 - Compact Design.
 - Self-cleaning system with repeated powerflush cycles.
 - 100% Digital Control System.
 - Electronic sensor with accurate indication of temperature differential.
 - User-friendly, fully automatic operation.
 - Safety cutoff.
 - Compression fitting for easy installation.
 - Field-installed alarm system.
 - Maintenance-free

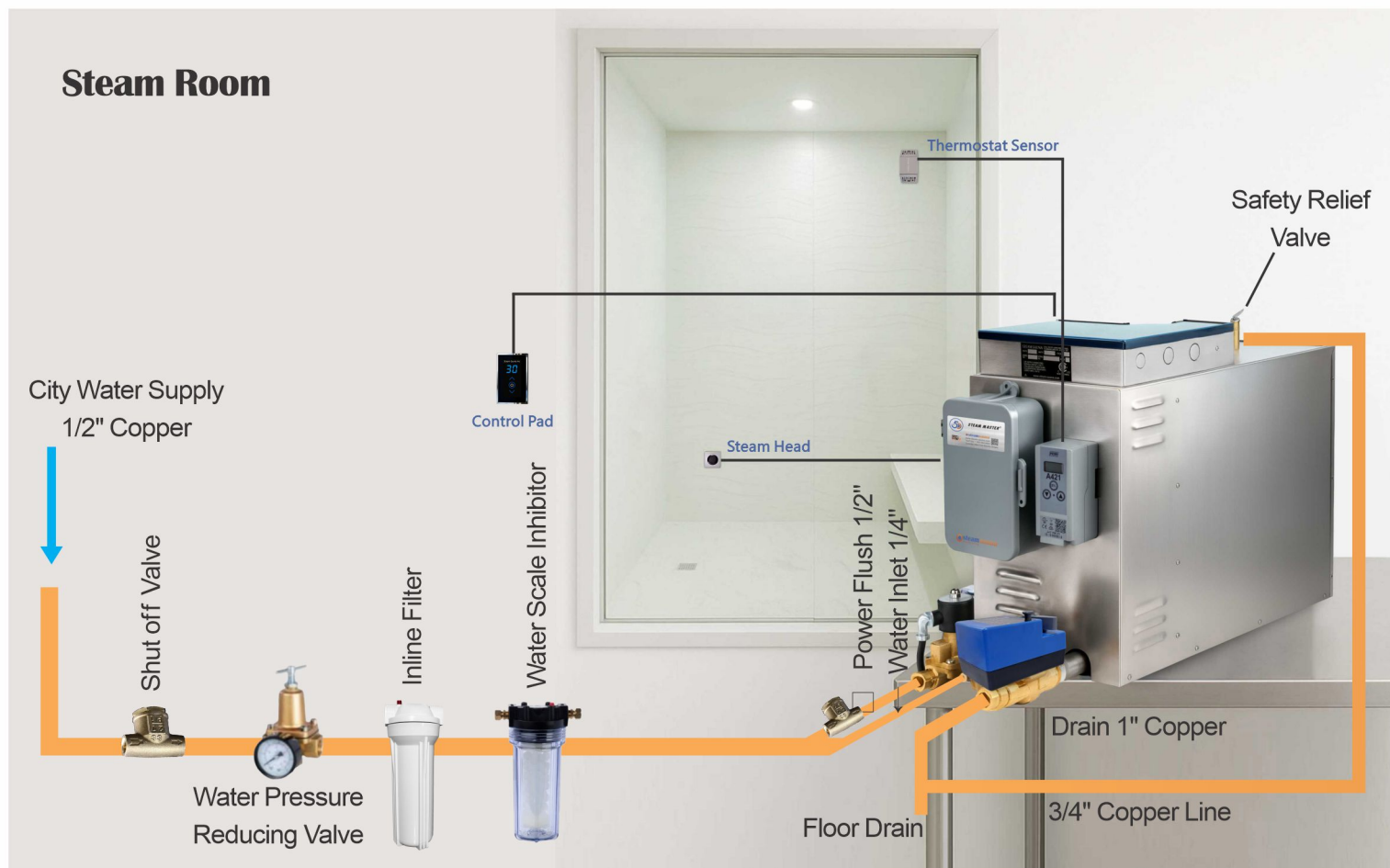
Steam Generator Installation Guide

❖ Electrical

1. The power supply as per specifications of the Steam Master™ Executive Series steam generators.
2. The breaker and disconnect switch are installed on the incoming power line which is hardwired to the steam generator.
3. (a) Wiring to the thermostat sensor runs from the unit into the steam room.
(b) The thermostat sensor probe is installed on the wall 3"-5" above the door level on the opposite side at max. distance from steam heads in the room. (The sensor head must be exposed 1" into the room and sealed with rubber or silicone gel.)
4. The electrical wiring for the 30-Min. mechanical timer/electronic touch button runs from the unit to the location outside/inside the steam room.
5. The electrical wiring for light is provided to the location inside the steam room.
6. Program the 24 hrs/7 day timer for a fully automatic hands-free operation, program thermostat for 2-in-1 System or Standby Mode.

❖ Plumbing

1. Steam Master™ Executive Series steam generators are very compact in size of 9" W x 27" L x 24" H, and require a bench top of min. area of 12" W x 21" L x 30" H to install.
2. The water supply line, as required for Steam Master™ Executive Series steam generators, is split to ¼" for water feed and ½" for self-cleaning power flush; install shut off valves on both incoming lines.
3. The water pressure-reducing valve(50 PSI)is installed on water supply line.
4. Connect a 1" drain pipe from the motorized drain valve on the unit to the floor drain.
5. The Steam Master™ Executive Series steam generator comes with two steam outlets. Run and insulate steam pipes(Copper) from both steam outlets to the steam room. Connect with steam head.
6. The Safety Valve is installed on the unit and also connected to the floor drain.



CLIENT OVERVIEW



Google Office



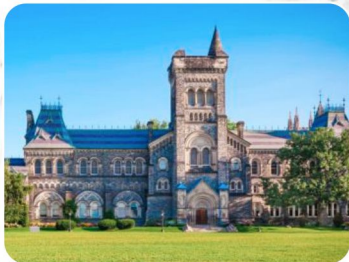
Bellagio Hotel



The Venetian Hotel



Walt Disney World



University of Toronto



Toronto Rogers Centre



Sheraton on the Falls



Toronto Woodbine Racetrack

Ritz-Carlton Hotel
Four Seasons
Marriott Hotel
Hilton Hotel
Park Hyatt Hotel
Mandalay Bay Resort
Omni Resort Hotel
Radisson Hotel

Mandarin Oriental Residences
Mahattan Place
San Francisco by the Bay
The Beverly Hill Condo
New York Towers
Canada House
One Bloor
The Yorkville

Gold's Gym
World Gym
LA Fitness
USA Fitness
GoodLife Fitness
American Family Fitness
In-Shape Health Clubs
Fitness Formula Clubs

Michigan State University
University of Massachusetts
Iowa State University
Florida State University
University of Nebraska
University of Regina
University of South Dakota
Kuwait University

Toronto Central YMCA
Toronto Cooper Koo YMCA
North York YMCA
Mississauga YMCA
Scarborough YMCA
YMCA Montreal
YMCA Alberta
Jewish Community Center

Madison Square Garden
Vancouver Hillcrest Centre
St. Mary's Memorial Hospital
Nordik Spa
Elmwood Spa
Hammam Spa
Go Place Club & Spa
Westin Resort & Spa Whistler



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