



COMMERCIAL STEAM & SAUNA

amerec[®]
your moment



AMEREC STEAM
AND SAUNA
EXPERIENCE



The benefits of steam baths and saunas are well documented – making these amenities essential for health clubs and other commercial installations. To ensure maximum enjoyment and performance from your steam bath and sauna, choose Amerec – a division of the world's oldest and largest sauna and steam bath company.

Amerec's reputation as the "experts" begins with well thought out design assistance. Our in-house experts will provide design assistance and drawings. Residences, hotels, health clubs, corporate wellness centers and apartment complexes... individual needs require an individual approach. Whether for 2 or 22 persons, Amerec will work with you to design the perfect steam bath or sauna.

Together we will find the best solutions for your steam bath and sauna project. Your design (or ours), your ideas and your wishes, in partnership with our 50 years experience will ensure you unmatched form, function and quality. From the first sketch to the final installation, our technical support and product knowledge will be at your disposal.

WHAT AMEREC PROVIDES:

- Free design assistance, including CAD drawings.
- More than 50 years of experience to design and build the perfect sauna for your project.
- Nationwide network of Authorized Service Reps.
- Service after the sale – we've been here for more than 50 years and we'll be here to take care of your future needs.

From our first sauna sold in 1962 to the most recent projects, Amerec has been a leader in the industry. Client satisfaction, quality and value have guided the way we've done business. The following is a partial list of Amerec installations.

- Banyan Tree Mayakoba Resort, Cancun, Mexico
- Chicago Bears Training Facility, Lake Forest, IL
- CityCenter Vdara Spa, Las Vegas, NV
- Four Seasons Hotel & Residences, Seattle, WA
- Gaylord National Hotel, National Harbor, DC area
- Hyatt Siesta Key Sea Castle, Bradenton, FL
- Grand Hyatt Kauai, Koloa, HI
- Hilton Hotel Beverly Hills, Beverly Hills, CA
- Hotel Del Mar, San Diego, CA
- J W Marriott Ihilani Resort & Spa, Kapolei, HI
- L A Fitness Clubs, Nationwide
- L'Auberge Del Mar Resort & Spa, Tucson, AZ
- Palms Place Spa, Las Vegas, NV
- PNC Park, Phillies Baseball, Philadelphia, PA
- Rancho Valencia, Rancho Santa Fe, CA
- Ritz Carlton Amelia Island, Amelia Island, FL
- Seattle Seahawks Regence Training, Renton, WA
- St. Louis Blues Hockey Arena, St. Louis, MO
- St. Regis Princeville Spa, Kauai, Lihue, HI
- The Borgata, Atlantic City, NJ
- The Peninsula New York, New York, NY
- The Spa at Inn by the Sea, Cardiff, CA
- Westin Beach Resort, Ft. Lauderdale, FL
- Whiteface Lodge, Lake Placid, NY

AMEREC 3K & 3T SERIES

COMMERCIAL STEAM GENERATOR

Whatever the size of your facility, these days it is more important than ever to ensure customer comfort and satisfaction. Amerec's 3K and 3T Series steam generators help you create added value for guests cost effectively. Easy to maintain and service, the 3K and 3T Series steam generators are designed for use in smaller commercial steam baths that are operated for short, intermittent periods of time. Their relatively compact size means they can be fitted even when space is at a premium, allowing you to turn underused space into a wellness center that will be appreciated. At the same time, they are powerful enough to provide a steady flow of soft, gentle steam at even temperature, ensuring maximum guest comfort.





POWERFULLY SMALL

3K and 3T generators feature all-steel construction with powder coat. Don't let the size of the 3K/T Series steam generators fool you. Each provides more than enough power to heat and steam the room dimensions it was designed for. Yet their relatively compact size gives you storage options, letting you plan for more effective use of space at your facility.

TEAMWORK

3K/T Series generators are purpose-designed for easy coupling — multiple units can be connected together to effectively heat large steam rooms up to 1,500 cu. ft.. The 3K/T Series makes maintenance and access very easy, and included power-saving features that help keep electricity bills low.

- Compact yet powerful generators provide soft, even steam and dependable ongoing performance
- Easily coupled for large room application, easy to control and service
- Effective power and water consumption lets you provide a cost-effective guest amenity that will be appreciated
- We are happy to help advise you free of charge on the generator configuration that make most sense for your facility — simply call 1-800-331-0349.

3K & 3T SERIES GENERATOR					
Type	Power (kW)	Volts	Phase	Max Cu. Ft.	Size (WxHxL - inch)
3K8/3T8	8.0	208	3	300	6 1/4 x 13 x 16 1/2
3K10/3T10	10.0	208	3	400	6 1/4 x 13 x 16 1/2
3K12/3T12*	12.0	208	3	500	6 1/4 x 13 x 16 1/2
3K14/3T14*	14.0	208	3	600	6 1/4 x 13 x 16 1/2
3K20/3T20**	20.0	208	3	800	6 1/4 x 13 x 16 1/2
3K24/3T24**	24.0	208	3	1,000	2 @ 6 1/4 x 13 x 16 1/2
3K28/3T28**	28.0	208	3	1,200	2 @ 6 1/4 x 13 x 16 1/2
3K36/3T36***	36.0	208	3	1,500	3 @ 6 1/4 x 13 x 16 1/2

* 2 steam heads are recommended for 3K12 and 3K14 generators.

** 3K20, 3K24 & 3K28 include 2 generators connected to function as one system with one control.

***3K36 includes 3 generators connected to function as one system with one control.

Multiple unit ganged systems require one steam head for each generator. Heads must be ordered separately. Multiple unit ganged systems require one drain valve kit for each generator. Please call 1-800-225-7519 or look at www.amerec.com for detailed electrical specifications.



COMFORT FLO STEAM HEAD

The Amerec Comfort Flo steam heads add comfort and safety to your steam bath. Steam passed through a plastic insulator, preventing the exterior metal surface from getting too hot. The Comfort Flo steam head also features a fragrance reservoir that lets you enjoy the proven benefits of aromatherapy — simply add a few drops of your favorite scent to personalize an even more enriching steam bath experience.



K60 / K30 CONTROLS

K60/K30 controls make it easy to control the most important features of your steam baths. Both versions can be mounted inside the steam room or out, and offer intuitive, easy to understand controls for features such as temperature control, on/off and timer settings.

T100 TOUCH CONTROL FEATURES:

- Touch screen operation for easy control of temperature and time settings
- Large screen displays steam bath temperature and time of day
- Displays temperature in Fahrenheit or Celsius
- Sleep mode with integral sensor to activate screen when approached
- Delayed start feature to pre-heat steam room at selected time up to 24 hours in advance
- Multiple language settings include English and Spanish
- Remote mounted sensor allows the Touch control to be mounted inside or outside the steam shower or steam room
- Flush-mount, low-profile installation
- Installed dimensions 6 3/8" H x 4" W





AMEREC AI SERIES COMMERCIAL STEAM BOILER

AI boilers are the steam generators of choice for large commercial steam rooms, and can help you create an inviting, relaxing environment that adds real value and generates positive word of mouth and returns for your business. The AI Series is specially designed for easy on-site maintenance and hands-off, automated operation. From their corrosion-resistant exteriors to their multiple safety features, AI boilers provide a welcome, genuine steam bath experience at less cost and with less hassle.





BUILT TO LAST

AI boilers feature all-steel construction with powder coat exterior, brass fittings and stainless steel feet to prevent corrosion. Designed to minimize downtime, AI boilers are easy to access and service, with integrated diagnostic systems alert you to any problems using LED indicator lights.



- Powerful dependable steam boiler for large commercial spaces
- One or two room operation, each controlled individually by low voltage on/off switches for maximum ease of use
- Low service and maintenance requirements, saving time and other costs
- ASME H-stamped Low-Pressure Vessel, National Board Registered
- UL Listed

AI SERIES BOILER					
Type	Power (kw)	Volts	Phase	Max. Cu. Ft.	Size (WxHxL - inch)
AI 12*	12	*	1/3	500	22"x20"x24-1/2"
AI 18*	18	*	1/3	750	22"x20"x24-1/2"
AI 24*	24	*	1/3	1000	22"x20"x24-1/2"
AI 30**	30	**	3	1250	28"x20"x24-1/2"
AI 36**	36	**	3	1500	28"x20"x24-1/2"
AI 42**	42	**	3	1750	28"x20"x24-1/2"
AI 48***	48	***	3	2000	28"x20"x24-1/2"

* Available in 208V and 240V in 1 phase and 208, 240, 415 and 480V in 3 phase.

** Available in 208, 240, 415 and 480V in 3 phase.

*** Available in 240, 415 and 480V in 3 phase.

It is recommended that one steam head is installed for every 12kW.



PROTECTING YOUR INVESTMENT

AI boilers come with multiple safety features to minimize service costs and downtime. An automatic switch turns boiler elements off if they reach a critical temperature point, preventing them from burning out. Additional standard features include water level sight glass, 3-level water sensing system with optional low water cut off and high pressure cut off.



IT1/IT2 CONTROLS
IT thermostats (1 for one room installations, 2 for two room installations) are boiler-mounted time and temperature controls designed to be easy-to-understand and use. A

separate thermostat is required for each steam room.



UPGRADE YOUR BOILER WITH T100 TOUCH SCREEN CONTROL

T100 TOUCH CONTROL FEATURES:

- Touch screen operation for easy control of temperature and time settings
- Large screen displays steam bath temperature and time of day
- Displays temperature in Fahrenheit or Celsius
- Sleep mode with integral sensor to activate screen when approached
- Delayed start feature to pre-heat steam room at selected time up to 24 hours in advance
- Multiple language settings include English and Spanish
- Remote mounted sensor allows the Touch control to be mounted inside or outside the steam shower or steam room
- Flush-mount, low-profile installation
- Installed dimensions 6-3/8"H x 4"W

AMEREC CONTROLS AND ACCESSORIES

COMMERCIAL STEAM BOILER

Being able to consistently offer your customers the highest quality steam bath experience is always a good investment. With additional controls and time and cost-savings accessories, you can enhance quality even further while minimizing maintenance time, effort and expenses.



- T100
- Touch screen operation
 - Set operating time and temperature
 - Delayed start
 - Up to 24-hours operating time
 - Flush mount



- IT1
- Thermostat for 1 room installation.
 - Remote or boiler mounted.
 - Required with each boiler unless T100 or IT2 controls are selected.



- IT2
- Thermostat for 2 room installation.
 - Remote or boiler mounted.



- IDS
- In-Room "refresh" control for a quick burst of steam delivered on demand.



- 60
- 60 Minute Timer to control steam flow in steam rooms with intermittent use.



- 124/7
- 7-Day Time Clock with 2 hour on/off segments.



- 124/1
- 24-Hour Time Clock with 30 minute on/off segments.



- D24/7
- 24-Hour 7-Day Digital Time Clock with battery backup.



ADI COOLFLUSH™

A drain and flush system that automatically performs recommended daily draining and flushing of the boiler tank to reduce build-up of solids such as scale and sludge. Uses a computer controlled drain cycle to add and drain water in steps, rinsing the tank and draining water at or below 140° F. Available with optional Digital Run Clock.



CFSH-34
Polished Chrome steam head for use with AI series boilers.



ASX200 DUAL SUMP/CARTRIDGE SYSTEM

With replaceable cartridges featuring a ScaleX2 filter to reduce scale build-up common in boilers. The ASX200 will also reduce chlorine and sediment from water by trapping particulates in a second filter as water passes through.



AROMA
Commercial grade aroma therapy pump for use with AI series boiler.

AMEREC COMMERCIAL STEAM DOORS

CLUB 190 STEAM DOOR

The steam door features 1/4" tempered glass with a sturdy aluminum frame, excellent for high volume use commercial applications.

Optional 1" insulated glass panel provides increased thermal efficiency. Push-pull handles and hydraulic closer included.

- Door is 36" x 84"; frame size is 39 1/2" x 85 3/4"
- Custom sizes available. Please call for quote.
- Vinyl sweep.
- Hydraulic closer included. Closer to be mounted on exterior side of door.
- Push - Pull handles included.
- 31 3/8" x 70 1/8" clear 1/4" tempered glass.
- Optional 1" insulated glass provides increased thermal efficiency.





AMEREC CUSTOM-CUT SAUNAS

FOR THE CONTRACTOR

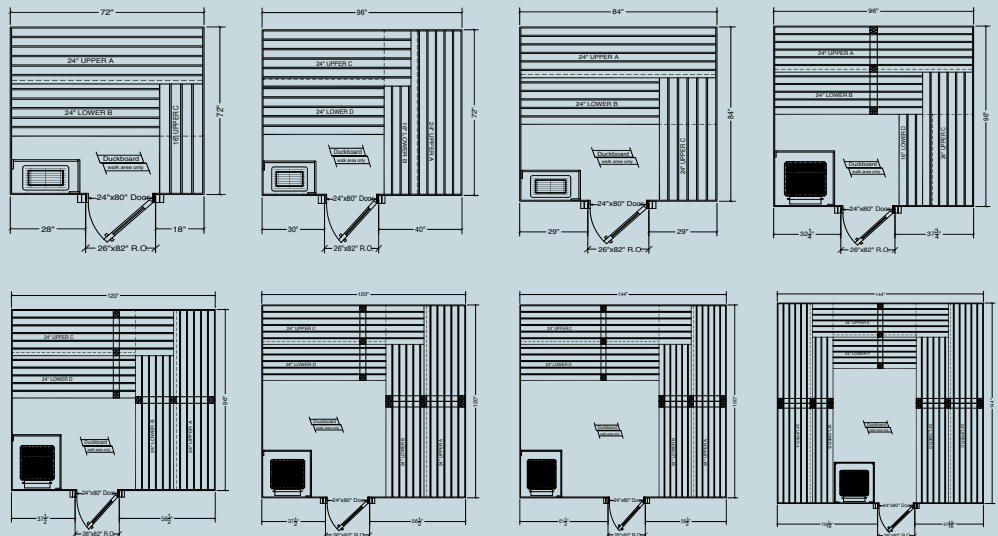
The custom-cut interior sauna package contains everything you need to finish and equip the sauna interior after the room has been framed, wired and insulated. Many elements are uniquely included or improved. This package is flexible to any dimensions and custom modifications.

CUSTOM-CUT SAUNA PACKAGES INCLUDE:

- Wall and Ceiling T & G Paneling
- Foil Vapor Barrier
- Corner and Ceiling Trim
- Pre-Built Benches
- Heater and Controls
- Heater Guard Rail
- Sauna Door
- Duckboard Flooring
- Western Red Cedar duckboard in walk area. Alternative Dri-Dek vinyl flooring.
- Computer-Aided Shop Drawings
- Top and elevation views.



In addition to the examples of sauna layouts and sizes shown, Amerec offers a limitless variety of standard and custom-made sauna rooms including designs that are ADA compliant. Call 1-800-331-0349 for free CAD design assistance and alternative layouts.



STEAM SPECIFICATIONS

GENERAL: Steam room equipment to be manufactured by Amerec. The following specifications include design parameters for custom steam rooms.

WORK TO BE DONE BY OTHERS: All work set forth below will be included under other sections for specifications.

For all Amerec custom tile steam enclosures:

1. Installation of stud walls and ceiling joists.
2. Installation of insulation and vapor barrier.
3. Installation of ceramic or stone tile, or some other interior surface.

FOR CUSTOM TILED STEAM ROOMS:

DOOR: For commercial, handicap accessible steam door, specify Amerec Commercial Steam Door with vapor proof, 1/4" tempered glass; clear anodized aluminum frame and jamb, or architectural bronze finish. See door specs on p. 9.

STEAM GENERATOR: Shall be Amerec Model _____, sized according to the size of the steam room as shown below. Generator shall be UL or ETL listed, includes insulated steam head with fragrance reservoir, and matching escutcheon.

CONTROLS: Shall be Amerec Model _____, UL or ETL listed, and matched with generator according to the specifications.

SIZING THE STEAM GENERATOR: Steam generator kW size is based on the cubic volume of the steam room and the construction materials used. Use the following "guidelines" to select the recommended steam generator:

Step 1: Calculate the cubic footage of the steam room enclosure. Length x Width x Height = Cubic Feet. (Do not deduct for benches or other intrusions as they represent surface area to heat.)
 $L \times W \times H = \underline{\hspace{2cm}}$

Step 2: Calculate the cubic footage of the steam room enclosure. Length x Width x Height = Cubic Feet. (Do not deduct for benches or other intrusions as they represent surface area to heat.)

A. Acrylic or Cultured Marble	Cubic Footage x 0% _____
B. Ceramic Tile	Cubic Footage x 20% _____
C. For each glass or glass block wall, or exterior wall exposed to freezing.	Cubic Footage x 15% _____
D. Natural Stones (Marble, Granite, Travertine, Slate or Porcelain Tile)	Cubic Footage x 100% _____
	Total (1 + 2A + 2B + 2C + 2D) _____

IMPORTANT: The maximum cubic footage on the steam generator charts is for reference only. Complex room construction and material variables may substantially alter the model required for your installation. For further information see "Amerec Steam bath Architectural Guidelines".

AMEREC CUSTOM-CUT SAUNA SPECIFICATIONS

GENERAL: Sauna room(s) shall be manufactured by Amerec, P.O. Box 2258, Woodinville, WA 98072. The following specifications include design parameters for the Amerec prefab/modular saunas, as well as for Amerec Custom-Cut material packages. Work to be done by others: All work set forth below will be included under other sections for the specifications.

For all sauna types:

1. Finish painting and/or staining of exterior surfaces.
2. Subfloor and/or foundation work.
3. All electrical work from supply, including connections to control, heater, and light

For Amerec Custom-Cut Saunas:

4. Installation of stud walls (or furring strips) and ceiling joists.
5. Installation of insulation between wall studs and ceiling joists.

CODE REQUIREMENTS: All materials, components, and work shall conform to all applicable local, state, and federal building and safety codes, ordinances and regulations.

TYPE CONSTRUCTION:

AMEREC CUSTOM-CUT MATERIAL PACKAGES (for installation on previously framed walls). Wall framing shall be on 16" centers. Standard framed wall shall have 2" x 4" studs, bottom base plate treated, and ceiling lowered to 84" I.D. from floor to framing. Existing masonry walls shall have furrings strips on 16" centers; metal studs shall have furring strips—for nailing of T&G wall boards.

Walls and Ceiling shall be insulated with R11 rated fiberglass insulation, with foil vapor barrier (foil provided by Amerec).

Walls and ceiling interior materials shall be 1" x 4" (nominal) V-joint, kiln dried to 12% or less, T&G clear Western Red Cedar. Boards to be blind nailed using 5p galvanized nails, or comparable galvanized staples. Wallboards applied horizontally unless specified otherwise.

WHEN ORDERING: SAUNA MATERIAL PACKAGE, shall be Amerec model CC _____.

Provide interior dimensions of the framed space, indicate direction of ceiling joists, and swing of door.

TYPE CONSTRUCTION: AMEREC PANEL-BUILT SAUNA PACKAGES (free-standing, modular units).

No framed walls are required for Amerec Panel-Built packages. Install on any level, water proof floor.

Wall and ceiling panels shall be framed of 2" x 2" framing (standard), 2" x 3" commercial, insulated with fiberglass batts, vapor barrier of Type C Reynolds Building Foil. Panel interior and exterior shall be lined with 1" x 4" (nominal), V-joint, kiln dried, clear Western Red Cedar. Optional: panel exterior can be 1/4" smooth Luan Plywood on walls to be hidden or walls to be covered with drywall, tile, or wallpaper.

TYPE CONSTRUCTION: ALL TYPES—CUSTOM CUT AND PANEL BUILT.

BENCHES: Shall be preassembled by Amerec. Standard top bench width equals 24" in saunas 5' deep or greater. Bench tops of kiln-dried, clear, all-vertical-grain Western Red Cedar. Internal framing of 2" x 4" (standard), 2" x 6" commercial. Bench tops fastened from bottom with stainless steel screws. Bench supports of 5/4" x 4" European Alder or 2" x 4" Western Red Cedar. Commercial Sauna Benches: Internal framing 2" x 6" Western Red Cedar on benches over 6', and H-leg bench supports on benches 8' and longer.

BACKRESTS: Made with clear, Western Red Cedar S4S.

INTERIOR AND EXTERIOR TRIM: Corner and cove molding of clear, kiln-dried Western Red Cedar. Panel-Built saunas also include fascia of same material.

HEATER GUARD RAIL: Shall be constructed of clear Western Red Cedar to surround heater. Dimensions shall match UL requirements for proper spacing between heater and guard rail.

DOOR: Shall be Amerec Model DF (clear, all-vertical grain Douglas Fir rails with sealed, double pane, tempered glass 16" x 67" window, pre-hung on mahogany jamb — available in 24" x 80", 30" x 80", and 36" x 80". Alternative doors are all-glass door with 1/4" bronze tinted tempered glass, mounted on 1 1/2" thick jamb. Available 24"x80", 30"x80" or 36"x80".

HANDICAP ACCESSIBLE COMMERCIAL SAUNA DOORS AVAILABLE: All-glass doors (AG) or Douglas Fir doors (DF) are available in 36" widths. For Amerec Custom-Cut saunas handicap door size is 36" x 80"; for Amerec Panel-built saunas handicap door size is 36" x 72".

SAUNA HEATER: Shall be Amerec Model _____, sized according to the size room as shown on pages 10-11. Heater shall be UL or ETL listed. Shall include olivine igneous rocks.

CONTROLS: Shall be Amerec model _____, UL or ETL listed, and matched with heater.

FLOOR: Floor shall be of cement, ceramic tile, or similar waterproof type (no carpeting). Removable dri-dek flooring or duckboard of Cedar is provided for walk area in front of benches.

LIGHT: Shall be wall-mounted, UL listed, vapor-proof Progress P5511 or Hubbell B2s-Var. Frosted white globe with satin finish, neoprene gasket, brushed aluminum base. Ceiling mounted and low voltage lighting available.

ACCESSORIES: All sauna packages include standard accessories of thermometer; bucket, ladle. A wide range of additional accessories are available. All saunas also include headrest, backrest and duckboards.

WARRANTY: All Amerec sauna rooms, heaters and controls are fully warranted for five years for residential use; one year for commercial use against defects in material and workmanship. For further information regarding the Amerec warranty, please contact Amerec.

DESIGN ASSISTANCE: Amerec's design staff will gladly offer any assistance you may require when designing or specifying sauna rooms and heaters. Free CAD design service available.

HANDICAP ACCESSIBILITY: Most of Amerec's panel-built and custom-cut saunas can be made handicap accessible. Contact Amerec for assistance.

Amerec reserves the right to change specifications and design without notice.



AMEREC STEAM
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