



ECOTHERM®
Electric Hot Water Boiler



ECOTHERM®
Electric Steam & Clean Steam Boiler

8a

Electric Boilers



The leading brand for individual hot water, steam & solar systems for hotels, hospitals and industrial applications.

ECOTHERM amazes its customers with „Individual Heat Transfer Solutions“ for hot water and steam generation. The following advantages mark these solutions:

Individuality

ECOTHERM produces extensive turnkey systems as well as separate components. Each plant is specifically aligned to the customer's individual requirements. The base is our own production facility in Austria and a wide product portfolio, which enables the combination of all relevant energy sources such as oil, gas, electricity and renewable energies.

Premium quality

Amongst others, our High Capacity Water Heaters are made of high quality stainless steel and guarantee a long-life cycle and perfect hygiene. ECOTHERM is certified to ISO 9001 : 2015 with all European standards. Our products fully comply with the requirements of the European Pressure Equipment Directive 2014/68/EC or ASME Sect. VIII Div. 1. Our own test bench assures highest quality and reliability.

Innovation

We are always open to new ideas, we constantly investigate new technologies and we develop path-breaking and future-oriented products. Many patents are the result of the in-house innovation management. With an elaborated 3D visualization and Virtual Reality, ECOTHERM systems can be guided and controlled at all times.

Premium service

Clients benefit from our extensive service at consulting, planning, engineering, supervision and training. ECOTHERM regularly improves the know-how of its partners and clients with selective trainings.

Efficiency

ECOTHERM has slim decision-making structures. Consequent research and development work permanently optimize the energy efficiency and the durability of the products. ECOTHERM turnkey solutions offer an optimal cost-benefit ratio.

Experience

With thousands of installations in the last 30 years in Europe, the Middle East, Asia, North Africa and Central America, ECOTHERM has become the leading brand in technology and innovation for individual hot water, steam and solar solutions. The ECOTHERM team is continuously refreshing their know-how with exceptional trainings and seminars that the ECOTHERM Academy provides.

Reliability

ECOTHERM systems can be monitored all around the clock and can be serviced at low cost, quickly and efficiently with an advanced control panel. Our products and plants have low maintenance requirements.

Sustainability

We save valuable resources by using renewable energies. ECOTHERM high-performance plants have minimal space requirements and provide maximum energy savings. When planning new products, ECOTHERM engineers take all the qualitative and economic principles into account in accordance with the ecological principles.

Partnership

We live in a partnership with all our customers, suppliers and employees. This relationship is characterized by honesty, commitment, openness, trust and reliability. The object is a joint long-term success.

Internationality

The international alignment of ECOTHERM with branches in Dubai, Mexico and Hungary and further partners in more than 25 countries is the base for our flexible and efficient project implementation.

ECOTHERM®

Electric Hot Water, Steam & Clean Steam Boilers

Product Overview

Introduction Electric Boilers

4

ECOTHERM® Electric Hot Water Boiler

with heating elements

up to 30 MW

skid-mounted & pre-assembled

6

ECOTHERM® Electric Steam Boiler

output from 250kg/h – 20,000kg/h

pressures up to 16bar

skid-mounted & pre-assembled

8

ECOTHERM® Electric Clean Steam Generator

capacities from 250 – 10,000 kg/h as a standard

skid-mounted & pre-assembled

10

Turnkey Systems

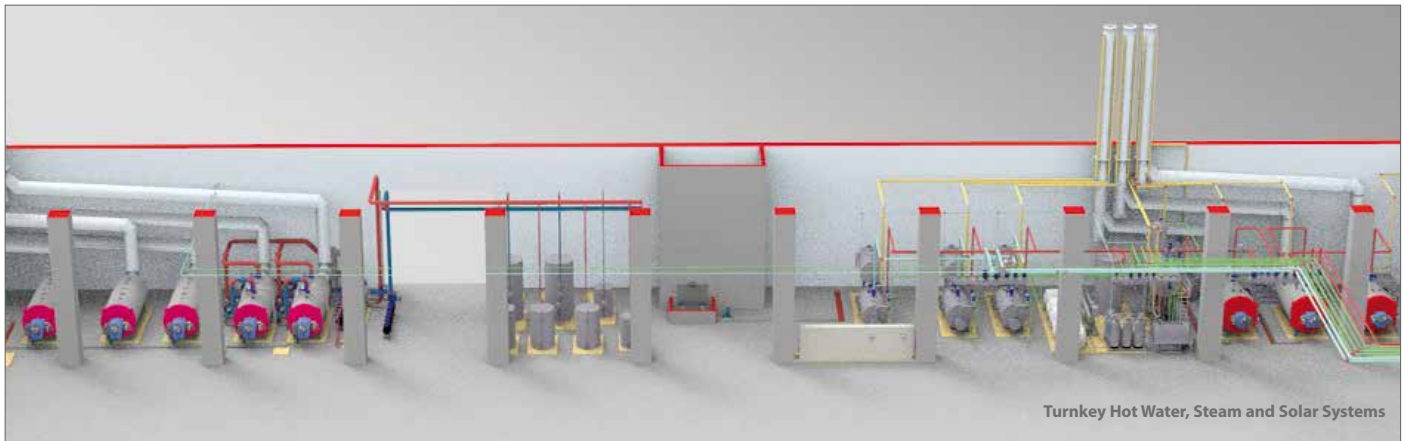
Accessories & More

12

References

14

ECOTHERM® Product Overview



High Capacity Water Heaters



Storage Water Heaters



Electric Water Heaters



Direct Fired Water Heaters



Shell & Tube Heat Exchangers



Spiral Flat Heating Coils



Pressure Vessels



Insulation



Electric Boilers



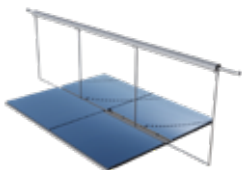
Clean Steam Generators



Ice Storage



Heat Recovery



Solar Steam &
Solar Process Heating



City Water Cooler



Special Constructions



Accessories

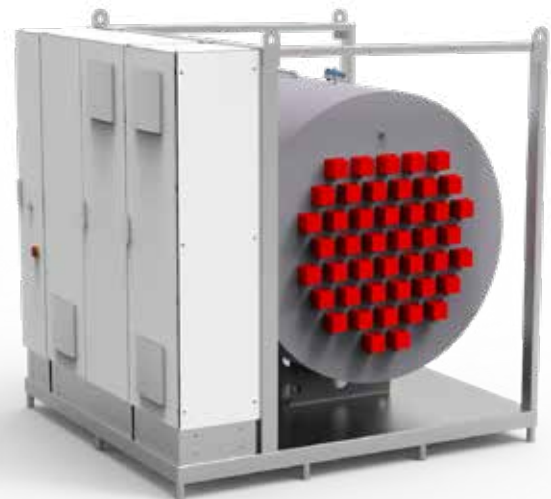
ECOTHERM® Electric Boilers

for hot water or steam generation | skid-mounted & pre-assembled

Converting electrical energy to heat gets more and more popular. Due to the continuous extension of renewable energy sources, it can happen that at a certain time of the day a surplus of elec-

trical energy is available. This surplus can be converted to thermal energy in so called **"Power to Heat"** systems. If the fossil fuel such as oil or gas is not available or a chimney system is not

possible to install, the ideal solution is an electric heated boiler. ECOTHERM offers individual, turnkey, skid- or container mounted electric boiler solutions.



ECOTHERM®
Electric Hot Water Boiler



ECOTHERM®
Turnkey Electric Steam System

ECOTHERM® Electric Hot Water Boilers

with heating elements | up to 30 MW | skid-mounted & pre-assembled

ECOTHERM Electric Hot Water Boilers are used when the only available primary energy source is electricity or to convert an available surplus of electrical energy to heat in so called “**Power to Heat**” systems. The electrical energy is

converted to thermal energy by individual screwed type heating elements which are individually replaceable for easy maintenance. Each boiler is pre-wired, pre-set and skid mounted for quick and easy installation on site. Be-

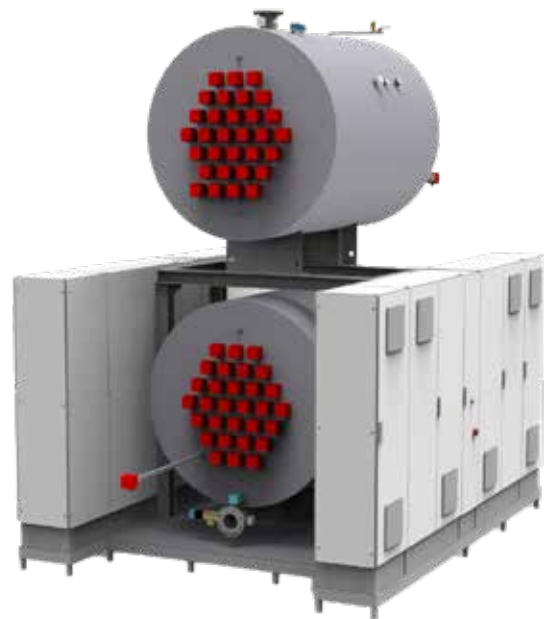
side a wide range of standard models ECOTHERM is offering also individual solutions in terms of size, design, voltage, capacity and controls.

Features

- electric boiler shell either in stainless- or mild steel
- for heating, district heating and domestic hot water generation
- power-to-heat plants
- with electrical flange heater or individual heating elements
- control panel with plant visualization, several interfaces with existing BMS (Building Management Systems)
- design and manufacturing according PED 2014/68/EC or ASME Sect. VIII Div. 1



**Electric Hot Water Boiler
vertical**



**Cascade (see table on page 7)
Electric Hot Water Boiler
horizontal**

Control Panel

ECOTHERM Electric Hot Water Boilers are equipped with an industrial standard control panel with solid metal enclosure. Each boiler is having a main incoming switch as well as fuses and

power contactors for each heating element. Depending on the capacity, the Hot Water Boiler is controlled either by a smart 3 stage controllers or by a free programmable industrial microproces-

sor controller with touch screen HMI and with possibilities for data exchange via BUS systems or external start stop. All our control panel components are electrically tested and wired.

Technical Data

Other/higher capacities and operating pressures are available on request

Model No.	Capacity Liters	Power rating kW	No. of elements	Water Flow (m³/h) Delta T = 20 K	Dimensions (L x W x H in mm)	Inlet & Outlet Size	Voltage / Mains Frequency
EEII-TS-75-VA	215	72	4	3,09	1400 x 1000 x 1800	DN32	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-100-VA	350	108	6	4,64	1400 x 1000 x 1800	DN32	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-160-VA	500	162	9	6,965	1400 x 1000 x 1800	DN40	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-250-VA	800	252	14	10,83	1750 x 1100 x 2200	DN50	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-300-VA	800	306	17	13,16	1790 x 1100 x 2000	DN65	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-400-VA	1250	396	22	17,03	1900 x 1300 x 2200	DN65	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-500-HA	1250	504	28	21,67	2820 x 1700 x 2250	DN80	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-660-HA	1250	666	37	28,63	2820 x 1700 x 2250	DN80	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-800-HA	1500	792	44	34,05	2820 x 1700 x 2250	DN100	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1000-HA	2500	1008	2x28	42,99	2820 x 2350 x 2200	DN100	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1200-HA	3000	1188	2x33	51,07	2820 x 2350 x 2350	DN125	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1500-HA	3500	1512	2x42	65,00	2820 x 2450 x 2450	DN125	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1750-HA	4400	1764	2x49	75,23	4000 x 2500 x 2500	DN150	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-2000-HA	4400	2016	2x56	85,98	4000 x 2500 x 2500	DN150	3 PH 400V/690V – 50Hz/60Hz

Other/higher capacities available in cascades.

Model No.	Cascade	Power rating kW	No. of elements	Water Flow (m³/h) Delta T = 20 K	Dimensions (L x W x H in mm)	Inlet & Outlet Size	Voltage / Mains Frequency
EEII-TS-3000-HA	2x EEII-TS-1500-HA	3024	2x(2x42)	129	on request	DN150	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-4000-HA	2x EEII-TS-2000-HA	3618	2x(2x56)	172	on request	DN200	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-5250-HA	3x EEII-TS-1750-HA	4536	3x(2x49)	226	on request	DN200	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-6000-HA	3x EEII-TS-2000-HA	6048	3x(2x56)	258	on request	DN250	3 PH 400V/690V – 50Hz/60Hz

Other kW rating per element available on request. Horizontal or vertical types are available.

Voltage for standard models is 3 PH 400V. We recommend higher voltages up to 690V (on request) for bigger capacities.

Material	Mild Steel (P235GH) or Stainless Steel (AISI 304 / 316Ti / DUPLEX)
Function	Generation of hot water by using electrical heating elements. Desired hot water temperature is controlled by microprocessor controller.
Design	The unit comprises of hot water tank and electric heating element, frame, pressure control and control panel. Unit is pre-wired, tested, mounted on a structural steel base and delivered as completely package unit ready for operation with simple connection. Sizes, capacities, inlet- and outlet connections will be designed according to customer requirements. Complete turnkey solutions on request.
Conditions	Standard operating pressures: 6/10/16 bar(g) Standard operating temperatures up to 110°C (higher temperatures on request) Higher pressure rates and capacities on request
Flange Standards	Acc. to DIN-EN 1092-1, PN6 / 16 / 40
Standards	Our products fully comply with the requirements of the European Pressure Equipment Directive 2014/68/EC or ASME Sect. VIII Div. 1.

ECOTHERM® Electric Steam Boilers

Output from 250 – 20,000kg/h | Pressures up to 16bar

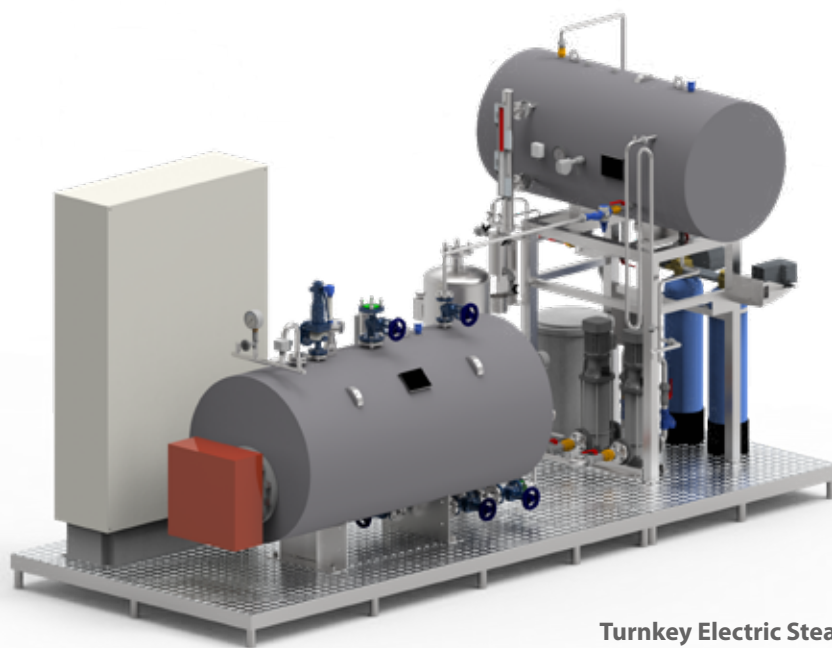
ECOTHERM Electric Steam Boilers are used in hospitals or industry when the primary available energy is electricity. The steam is generated by an electric

resistor heating flange inside the boiler shell. The units are skid-mounted complete with feed water tank, water treatment and control panel. The complete

factory pre piping and wiring ensures quick and easy installation on site.

Features

- complete ready to use skid mounted for easy on site installation
- electric operation does not require gas/oil supply and chimney system
- piping and wiring factory made
- control panel with system visualization, several interfaces with existing BMS (Building Management Systems)
- individual designed as per customer needs
- design and manufacturing according to PED 2014/68/EC or ASME Sect. VIII Div. 1



**Turnkey Electric Steam System
1500 kg/h, 6bar**

Control Panel

ECOTHERM Electric Steam Systems are equipped with their own logic control unit to ensure permanent control and performance monitoring of steam output at all times. Each boiler is having

a main incoming switch as well as fuses and power contactors for each heating element. The control panel is equipped with a state of the art microprocessor controller with touch screen HMI for

controlling and visualizing all supplied equipment. All our control panel components are electrically tested and wired.

Technical Data

Other/higher capacities and operating pressures are available on request

Model No.	Capacity kg/h	Power rating* kW @ 10bar	Operating pressure bar(g)	Approx. Dimensions (L x W x H in mm)	Voltage / Mains Frequency
EESG-250kg/h	250	140	6/10/16	3200 x 1500 x 2000	3 PH 400V/690V – 50Hz/60Hz
EESG-500kg/h	500	280	6/10/16	3750 x 1500x 2300	3 PH 400V/690V – 50Hz/60Hz
EESG-750kg/h	750	420	6/10/16	4200 x 1500 x 2500	3 PH 400V/690V – 50Hz/60Hz
EESG-1000kg/h	1000	560	6/10/16	4500 x 1500 x 2600	3 PH 400V/690V – 50Hz/60Hz
EESG-1500kg/h	1500	835	6/10/16	5000 x 1750 x 3200	3 PH 400V/690V – 50Hz/60Hz
EESG-2000kg/h	2000	1120	6/10/16	5500 x 1750 x 3500	3 PH 400V/690V – 50Hz/60Hz
EESG-2500kg/h	2500	1395	6/10/16	6000 x 2000 x 3800	3 PH 400V/690V – 50Hz/60Hz
EESG-3000kg/h	3000	1670	6/10/16	on request	3 PH 400V/690V – 50Hz/60Hz
EESG-4000kg/h	4000	2240	6/10/16	on request	3 PH 400V/690V – 50Hz/60Hz
EESG-5000kg/h	5000	2790	6/10/16	on request	3 PH 400V/690V – 50Hz/60Hz
EESG-6000kg/h	6000	3340	6/10/16	on request	3 PH 690V – 50Hz/60Hz
EESG-7500kg/h	7500	4480	6/10/16	on request	3 PH 690V – 50Hz/60Hz
EESG-10000kg/h	10,000	5580	6/10/16	on request	3 PH 690V – 50Hz/60Hz

Other/higher capacities available in cascades.

Model No.	Cascade	Power rating* kW @ 10bar	Operating pressure bar(g)	Approx. Dimensions (L x W x H in mm)	Voltage / Mains Frequency
EESG-15000kg/h	2x EESG-7500kg/h	8370	6/10/16	on request	3 PH 690V – 50Hz/60Hz
EESG-20000kg/h	2x EESG-10000kg/h	11160	6/10/16	on request	3 PH 690V – 50Hz/60Hz

*Without feed water preheating. Other kW rating per element available on request. Horizontal or vertical types are available.

Voltage for standard models is 3 PH 400V. We recommend higher voltages up to 690V (on request) for bigger capacities.

Material	Mild Steel (P235GH) or Stainless Steel (AISI 304 / 316 Ti / DUPLEX)
Function	Generation of steam by using electrical heating elements as a primary heating energy.
Design	The unit comprises of a pressure vessel and electric heating element, frame, level controls and control panel. Unit is pre-wired, tested, mounted on a structural steel base and delivered as completely package unit ready for operation with simple connection. Sizes, capacities, inlet- and outlet connections will be designed according to customer requirements. Complete turnkey solutions on request.
Conditions	Standard operating pressures: 6/10/16 bar(g) Capacities from 250kg/h – 10,000kg/h Higher pressure rates and capacities on request
Flange Standards	Acc. to DIN-EN 1092-1, PN6 / 16 / 40
Standards	Our products fully comply with the requirements of the European Pressure Equipment Directive 2014/68/EC or ASME Sect. VIII Div. 1.

ECOTHERM® Electric Clean Steam Generator

Capacities from 250 – 10,000 kg/h as a standard | Higher capacities on request

ECOTHERM Electric Clean Steam Generators are used in hospitals or industry when the primary available energy is electricity. The clean steam is gener-

ated by an electric resistor heating flange inside the boiler shell. The units are skid-mounted complete with feed water tank water treatment and control

panel. The complete factory pre-piping and wiring ensures quick and easy installation on site. The clean steam is generated by electrical energy.



Technical Data

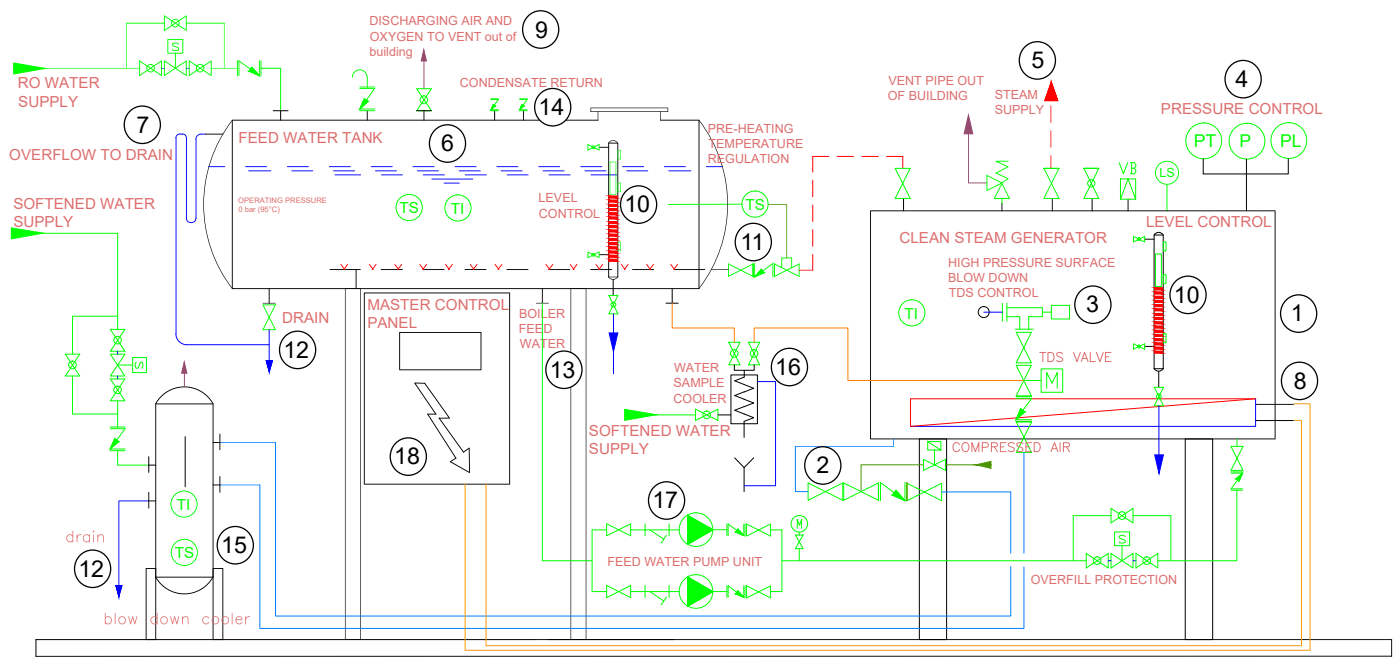
Other/higher capacities and operating pressures are available on request

Model No.	Capacity kg/h	Power rating* kW @ 10bar	Operating pressure bar(g)	Approx. Dimensions (L x W x H in mm)	Voltage / Mains Frequency
EECSG-250kg/h	250	140	6/10/16	3200 x 1500 x 2000	3 PH 400V/690V – 50Hz/60Hz
EECSG-500kg/h	500	280	6/10/16	3750 x 1500x 2300	3 PH 400V/690V – 50Hz/60Hz
EECSG-750kg/h	750	420	6/10/16	4200 x 1500 x 2500	3 PH 400V/690V – 50Hz/60Hz
EECSG-1000kg/h	1000	560	6/10/16	4500 x 1500 x 2600	3 PH 400V/690V – 50Hz/60Hz
EECSG-1500kg/h	1500	835	6/10/16	5000 x 1750 x 3200	3 PH 400V/690V – 50Hz/60Hz
EECSG-2000kg/h	2000	1120	6/10/16	5500 x 1750 x 3500	3 PH 400V/690V – 50Hz/60Hz
EECSG-2500kg/h	2500	1395	6/10/16	6000 x 2000 x 3800	3 PH 400V/690V – 50Hz/60Hz
EECSG-3000kg/h	3000	1670	6/10/16	on request	3 PH 400V/690V – 50Hz/60Hz
EECSG-4000kg/h	4000	2240	6/10/16	on request	3 PH 400V/690V – 50Hz/60Hz
EECSG-5000kg/h	5000	2790	6/10/16	on request	3 PH 400V/690V – 50Hz/60Hz

Other/higher capacities available in cascades.

Model No.	Cascade	Power rating kW	Operating pressure bar(g)	Approx. Dimensions (L x W x H in mm)	Voltage / Mains Frequency
EECSG-6000kg/h	2x EESG-3000kg/h	3360	6/10/16	on request	3 PH 400V/690V – 50Hz/60Hz
EECSG-8000kg/h	2x EESG-4000kg/h	4480	6/10/16	on request	3 PH 400V/690V – 50Hz/60Hz
EECSG-10000kg/h	2x EESG-5000kg/h	5580	6/10/16	on request	3 PH 400V/690V – 50Hz/60Hz

*Without feed water preheating. Other kW rating per element available on request. Horizontal or vertical types are available. Voltage for standard models is 3 PH 400V. We recommend higher voltages up to 690V (on request) for bigger capacities.



1 Clean Steam Generator: generation of clean, sterile steam by using high quality stainless steel materials. Steam generation by electrical energy. Consisting of stainless steel tank, removable heating bundle and all required connections for safety and control.

2 High pressure bottom blown down control: flushing of the boiler bottom where sludge is created by timer controlled blow down valve.

3 High pressure surface blown down control (TDS control) continuous measurement of water conductivity just below the water surface level. If the value is too high, valve opens until the measured value drops below the set point.

4 Pressure control: pressure will be setted mechanical (by mechanical pressure control valve) or electrical by pressure transmitter (control panel) and electrical operated valve.

5 Steam supply: clean steam outlet port from clean steam generator

6 Feed water tank: preparing feed water for steam boilers, collecting condensate, pre-heating of feed water.

7 Overflow: protection against high water

8 Electric resistor heating flange

9 Discharging air and oxygen vent (out of building): removing port of waste gases.

10 Level control: to keep a constant water level in the tank a level control system is required. Also protection against low and high water is installed.

11 Pre-heating of feed water to protect the boiler against to high temperature differences and heat tensions, feed water needs to be pre-heated by steam injection.

12 Drain for draining of the tank

13 Boiler feed water: feed water supply connection to feed water pumps and boilers

14 Condensate return collecting the condensate from different consumers, e. g. steam pipe draining points, heat exchangers, laundry machines.

15 Blown down cooler to cool down the hot water from surface and bottom blow down outlets.

16 Water sample cooler for daily analysis of feed water and boiler water, hot water samples have to be cooled down by water sample cooler.

17 Feed water pump unit vertical multi-stage centrifugal feed water pump which feeds the steam generator with feed water. Pump is designed according to maximum steam pressure and flow capacity of steam boiler.

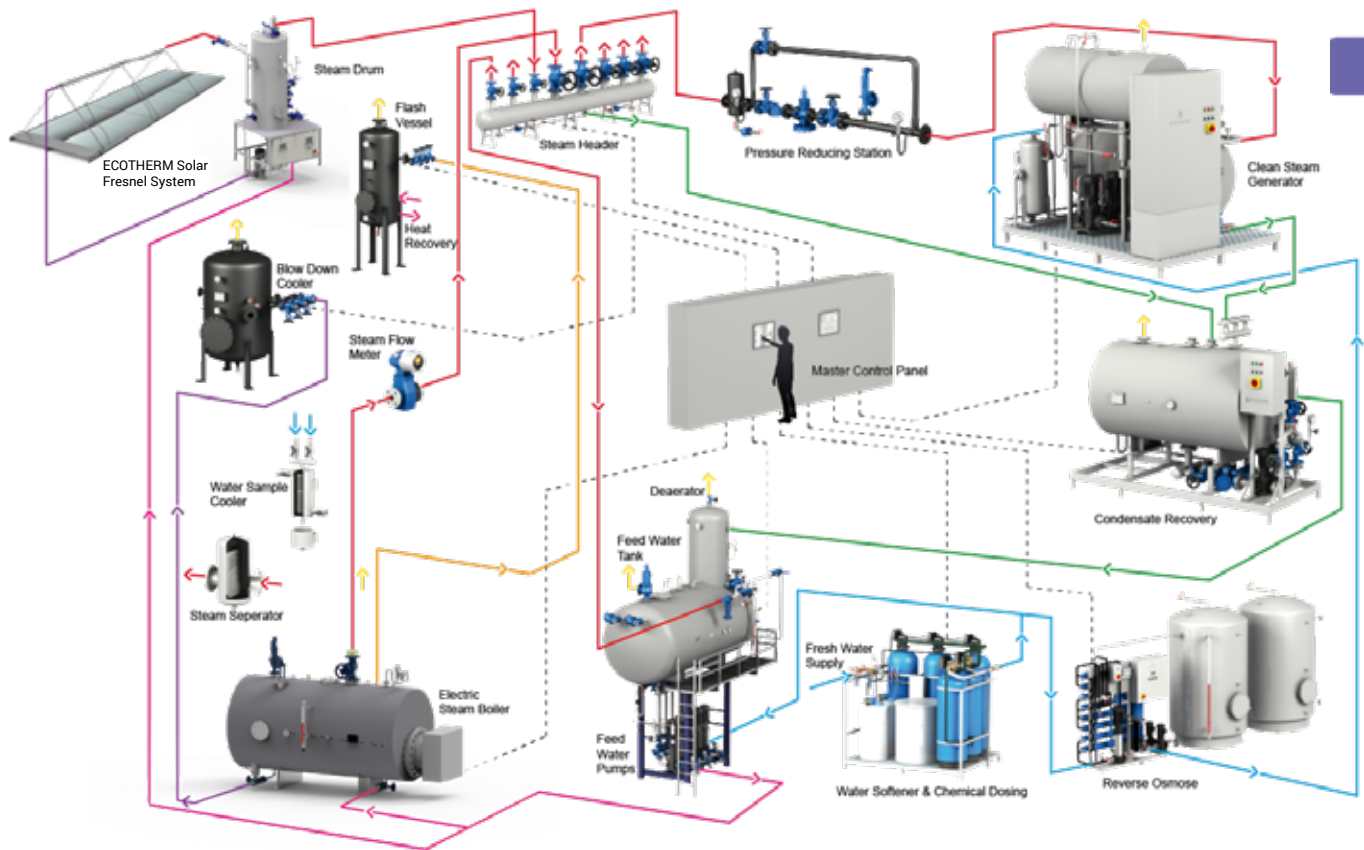
18 Master Control panel entire independent steam generation regulation and safety devices control

Features

- skid-mounted, pre-assembled and wired for easy on-site installation
- operation by electrical energy
- control panel with system visualization, several interfaces with existing BMS (Building Management Systems)
- clean steam vessel and piping made of AISI 316Ti or Duplex Stainless Steel
- design and manufacturing according to PED 2014/68/EC or ASME Sect. VIII Div. 1

ECOTHERM® Electric Turnkey Steam Solutions

Optional with a ECOTHERM® Solar Steam System



All components are perfectly designed and coordinated with each other. This ensures maximum efficiency and therefore maximum return of investment.

More than 1,000 installed systems in the last decades ensure the right know-how for individually designed turnkey solutions. Steam systems are complex and individual. On the one hand a lot of different components have to be used. All these components need to be optimally coordinated with each other

to ensure functionality and perfect efficiency right from day one. On the other hand steam systems operate with high pressures. Thus a failure can really be very dangerous for the staff operating the system as well as for the complete building. Therefore ECOTHERM offers complete individual turnkey solutions.

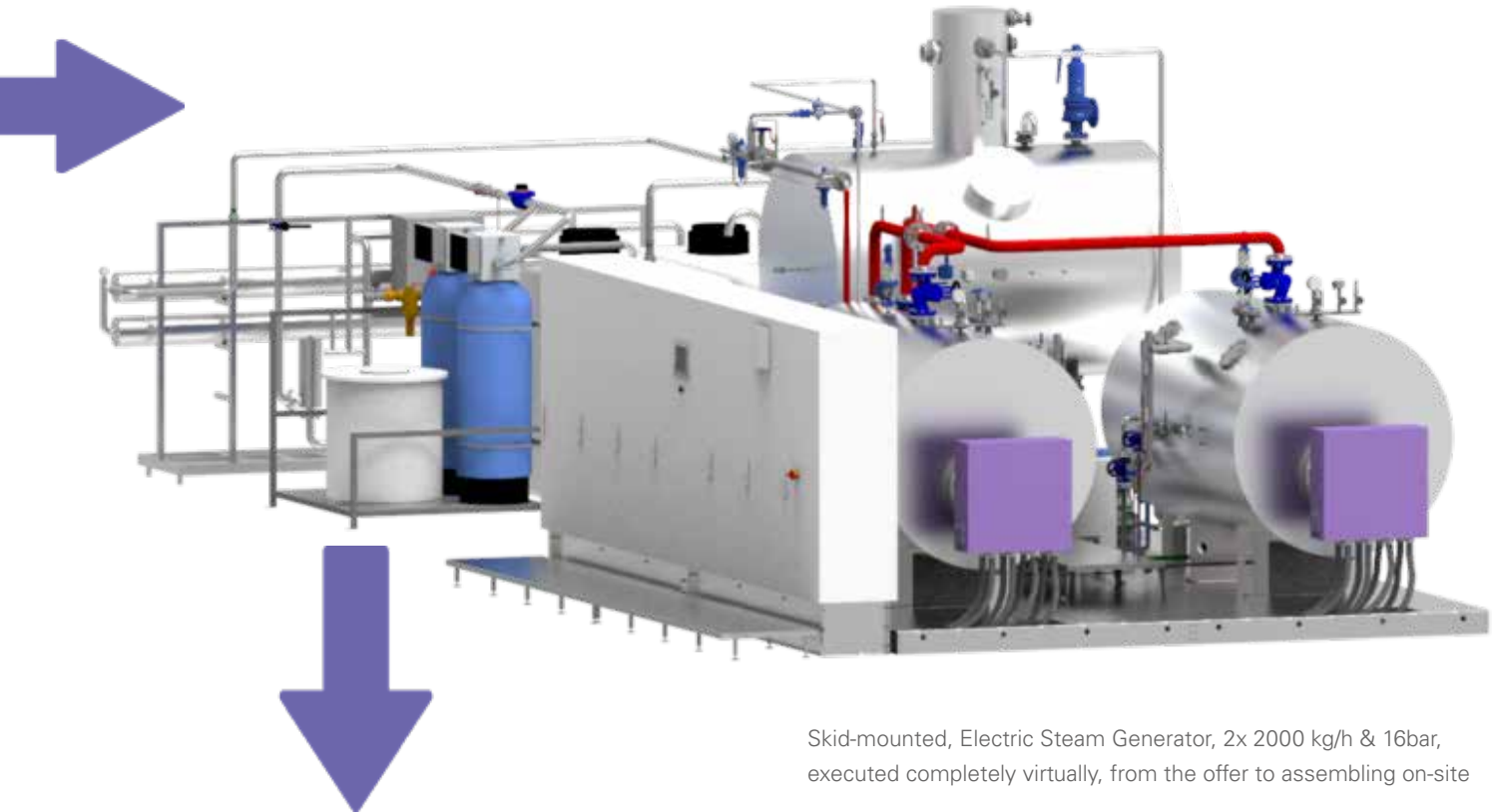
The services range from design, 3D visualization, project management, over manufacture, pre-assembly, pre-wiring and testing to shipping, commission-

ing, supervision and maintenance. Experienced ECOTHERM engineers ensure that your system operates stable, save, reaches the desired output and they train your staff how to monitor and control the most important parameters of the system.

Premium quality of the products and premium service during the whole project is the minimum you should claim for your individual steam system.

Your reliable partner

Starting from the design stage, production, factory acceptance test, testing and commissioning to maintenance and after-sales-services.



Skid-mounted, Electric Steam Generator, 2x 2000 kg/h & 16bar, executed completely virtually, from the offer to assembling on-site



ECOTHERM® References



Food & Beverage Factory - Netherlands (2020)

Delivery: ECOTHERM delivered 2 Electric Steam Boilers with 1344kW electrical power, each skid-mounted with a feed water tank (4000L), blow down cooler, steam distributor, control cabinet (8m length), reverse osmosis with 3x 4000L storage tanks, complete piping, wiring and insulation.

The steam plant was built in accordance with all applicable European regulations and approved by TÜV. Additionally, a virtual reality model of the plant was created with live data for the customer. The VR model can be viewed online by scanning the QR code below.

Scan this QR-Code for the Virtual Reality model of the ECOTHERM® Electric Steam System



ECOTHERM® References

Pannonia Bio - Hungary (2021)

ECOTHERM Electric Hot Water Boiler

Pannonia Bio operates a multi-product biorefinery in Tolna County, Hungary. The plant uses state-of-the-art production processes and is a nursery for the development of new bio-based technologies.

Delivery: 1x Electric Hot Water Boiler, 1476kW, completely pre-mounted & wired; ECOTHERM Electric Hot Water (or Steam) Boilers utilize excess electric energy from renewable sources for heating purposes



King Faisal Specialist Hospital - Saudi Arabia (2018)

ECOTHERM Electric Steam Boiler

KFSH Research provides highly standardized scientific environment, which helps enhance clinical practices, thus making it one of the world top centres in rare diseases research.

Delivery: 2x Electric Steam Boiler, each 1,000 kg/h, 2x heating elements with 660kW



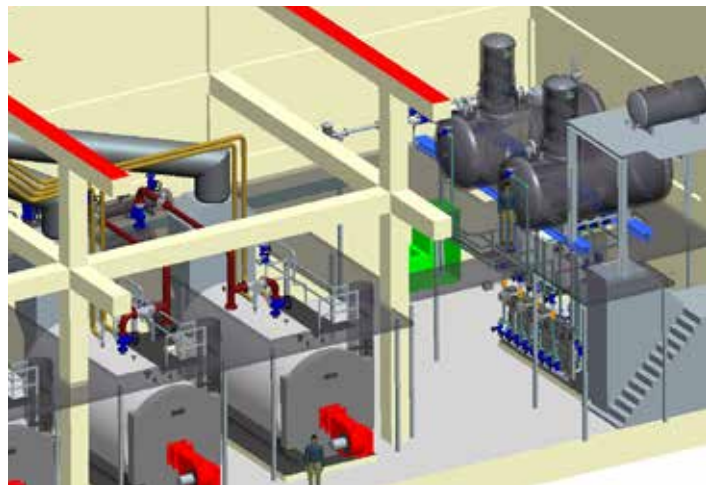
ECOTHERM® References

Sidra Medical and Research Center - Qatar (2012)

ECOTHERM Clean Steam Generators - 3x 950 kg/h

With its 412 hospital rooms and 400 beds, Sidra Medical & Research Center is truly a landmark development on a total floor space of 130,000 m².

Delivery: 3x Clean Steam Generators, each 950 kg/h, 3x Steam Boilers 15,000 kg/h, 16 bar, 2x Feed Water Tanks 16,000 l/each, 1x Cold Water Tank 2,000 l, Blow Down Tank & Flash Vessel, 3x Condensate Return Stations, 26x ECOTHERM High Capacity EDRE, 6x ECOTHERM High Capacity LTHW Steam to Water Heat Stations, 4x ECOTHERM High Capacity EHRE



District Heating - Hungary (2022)

ECOTHERM "Power-To-Heat" Hot Water Boilers - 12 MW

"Power-To-Heat" Solutions from ECOTHERM are the perfect solution to convert the excess energy from renewable energies to heat or steam and use it in district heating networks such as this one in Budapest and other cities.

Delivery: 1x „Power-To-Heat“ Electric Hot Water Boiler EEII-TS-5000-HA, 1x „Power-To-Heat“ Electric Hot Water Boiler EEII-TS-1000-HA, 4x „Power-To-Heat“ Electric Hot Water Boiler EEII-TS-1500-HA



ECOTHERM® References

KSAU Medical Research Center - Saudi Arabia (2010)

ECOTHERM Electric Steam Boiler

King Saud bin Abdulaziz University for Health Sciences (KSAU-HS) is the first public university in the Kingdom of Saudi Arabia and the Middle East region specialized in health sciences.

Delivery: 1x Electric Steam Boiler 1100 kg/h, 6bar



Sheraton Hotel - Hong Kong (2008)

ECOTHERM Electric Hot Water & Steam Boilers

The 782 room Hotel is located along the Victoria Harbour in Hong Kong. ECOTHERM replaced the entire steam & hot water system during full operation of the hotel through a door of only 1.2 meters, without interrupting hot water & steam supply.

Delivery: 2x Electric Hot Water Boiler 800 kW & 2,500 L, 2x Electric Steam Boilers, each 1,800 kg/h 10 bar, 4x Heat Pumps 350 kW **Savings:** Reduction hot water storage volume from total 150.000 L to only 8.000 L; Space saving appr. 200 m²; Energy saving appr. 25 %;



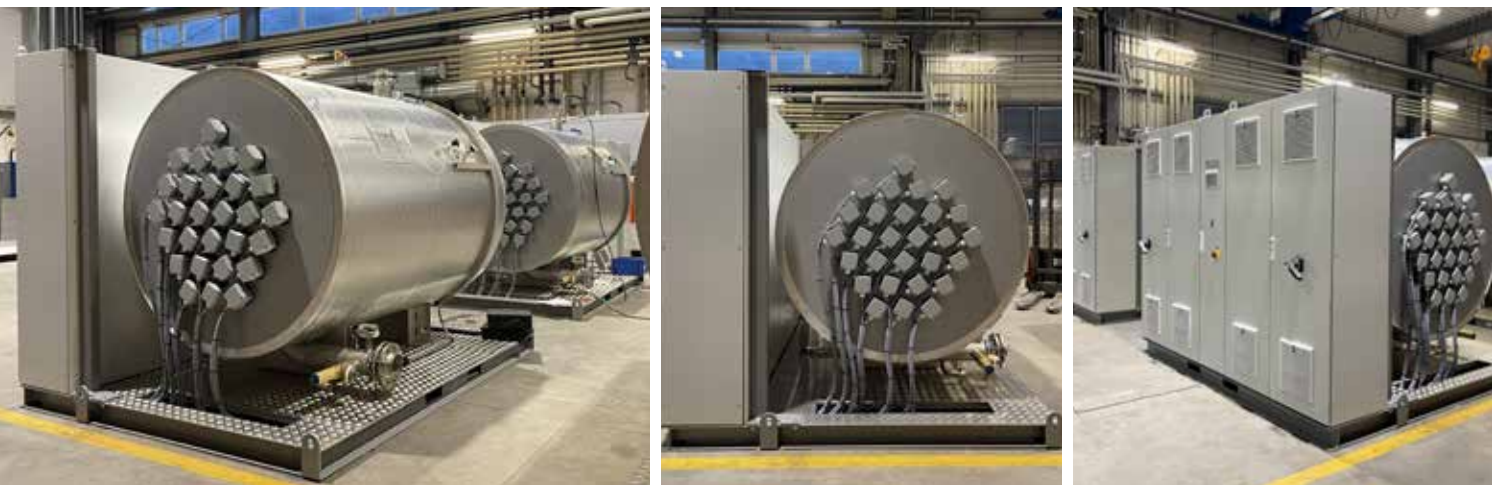
ECOTHERM® References

Luxury Hotel Projects - Porto & Lisbon (2022)

ECOTHERM “Power-To-Heat” Electric Hot Water Boilers - 2 MW

A luxury Hotel Group switched its hotels in Porto and Lisbon from gas boilers to electric boilers in order to become independent of the price fluctuations and uncertain supply situation of gas. During a visit at the end of September by representatives of the Hotel Group, an order was immediately placed for two boilers, each with an electrical output of 1,000 kW.

Delivery: 2x „Power-To-Heat” Electric Hot Water Boilers, 1,000 kW



Aluminium Extrusion Plant - Hungary (2023)

ECOTHERM Turnkey Container Solution - Electric Steam Boilers - 2x 1,500 kg/h

The aluminium manufacturing plant in Hungary is the largest aluminium extrusion plant in Europe with six presses, surface coating capabilities, and 300 machines for fabrication.

Delivery: Turnkey Container Solution - 2x Electric Steam Boilers, 1,500kg/h





ECOTHERM
Virtual Reference City



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