



ECOTHERM
Electric Hot Water Boiler



ECOTHERM
Electric Steam Boiler

Electric Hot Water & Steam Boilers



Your solution provider for hot water, steam and solar thermal systems for hotels, hospitals and the industry.

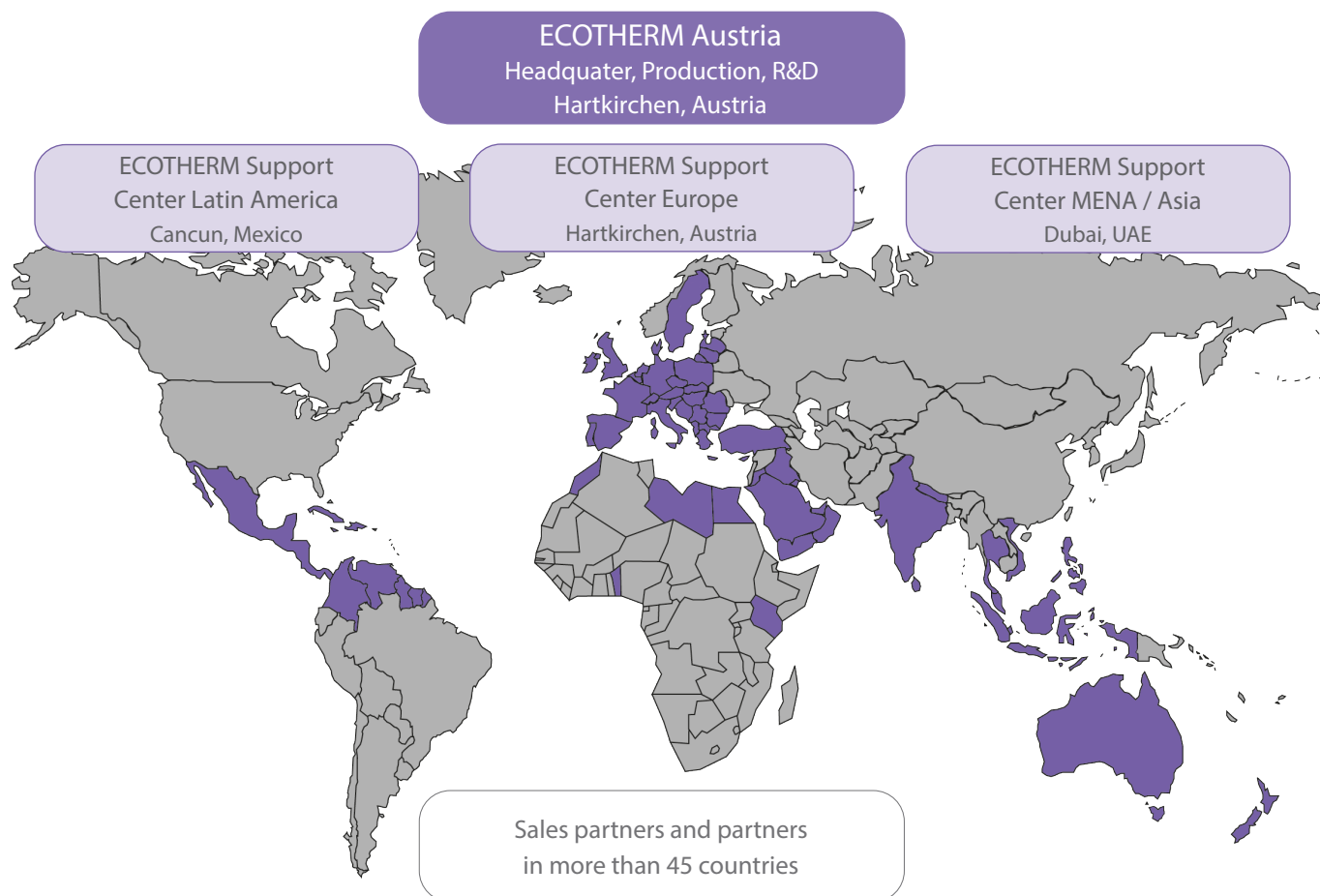


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As a technology leader, we offer customized solutions for hot water, steam and solar thermal systems that guarantee maximum efficiency to meet your specific requirements. With more than 50 years of experience and over 10,000 installations worldwide, we deliver sustainable, space- and energy-saving solutions from our state-of-the-art production facility in Austria. As a family-run company, we place particular emphasis on the highest quality and excellent customer service, supported by a network of distribution partners in over 45 countries.



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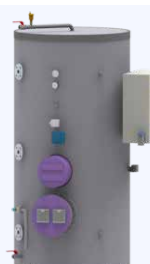
Product Overview



**High Capacity Water Heaters
Stainless Steel**



**Storage Water Heaters
Stainless Steel**



**Electric Water Heaters
Stainless Steel**



**Heat Exchangers
Stainless Steel**



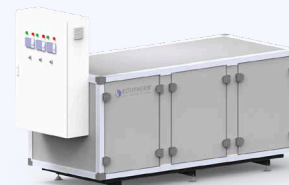
**Electric Hot
Water Boilers**



Electric Steam Boilers



Clean Steam Boilers



Heat Pumps



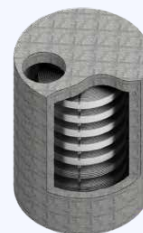
**Direct Fired
Water Heaters**



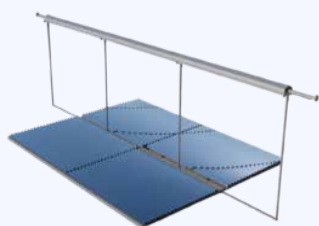
**Water Heater
and Coolers**



**Stainless Steel
Pressure Vessels**



**Ice Storage
Solutions**



**Solar Thermal
Collectors**



Heat Recovery



Special Constructions



**Magnetic-Dynamic
Separators**

ECOTHERM Electric Hot Water Boilers & Electric Steam Boilers

Flexible, customized and sustainable

ECOTHERM Electric Hot Water Boilers and Electric Steam Boilers offer an efficient, environmentally friendly and future-proof solution for heat and steam generation – without the use of gas or oil and thus without the need for chimney systems.

In addition, ECOTHERM Electric Boilers can be used for “Power-To-Heat” systems. This means that excess electricity, for example generated using solar energy, can be converted into heat, thus stabilizing the power grid. The electricity generated is fed into the electric boiler and used to operate it. In this way, “Power-to-Heat” helps to use renewable energy more efficiently and replace fossil fuels. With “Power-To-Heat”, electricity is converted into heat with almost 100% efficiency – clean, efficient and sustainable!

Another decisive advantage: ECOTHERM Boilers and Systems are individually manufactured according to customer requirements. Customized solutions guarantee a perfect fit to the operating conditions - whether in terms of performance, dimensions or special technical requirements. All ECOTHERM Systems always meet the latest international safety standards, so that full operational reliability is always ensured.

Efficient heating with ECOTHERM low-voltage boilers

Comparison of low-voltage and medium-voltage boilers

When comparing Electric Hot Water Boilers and Electric Steam Boilers, energy efficiency, costs, and installation and operating costs play a decisive role. ECOTHERM low-voltage Hot Water and Steam Boilers offer numerous advantages over medium-voltage boilers, especially in terms of easy installation, lower maintenance costs and higher operational reliability. With no complex maintenance procedures and more flexible use, they provide an efficient and sustainable solution for heat generation. A look at the differences shows the advantages in direct comparison.

	ECOTHERM low-voltage boilers	medium-voltage boilers
Investmentcost	Lower investment costs despite transformer	High investment costs
Technology	Simple design with resistance heating elements	Complex special technology
Dimensions	Flexible in terms of dimensions and design for a space-saving solution	Fixed dimensions, more than 6 meters in height required
Delivery time	Approx. 12 to 16 weeks	Approx. 36 to 52 weeks
Installation	Very easy due to pre-assembled delivery on frame	Time-consuming due to the complex system with many accessory parts; specially trained personnel required
Water treatment	Softened water for filling	Reverse osmosis required during operation
Nitrogen tank	Not required	Required
Heat exchanger	Not required	Required
Circulation pump	Not required	Required
Main switch lifespan limitation	Unlimited life	Limited life of medium voltage switchgear
Maintenance re-quirements	Virtually maintenance free; can be done by local personnel (any certified electrician)	Medium voltage electrode boilers require yearly maintenance; supplier technician required (annual shutdown of at least 2 weeks)
Spare parts	Standard components from international brands available worldwide	Specially manufactured parts required
Wear parts	No wear parts	Frequent replacement of some parts required (such as electrode heads, seals, etc.)

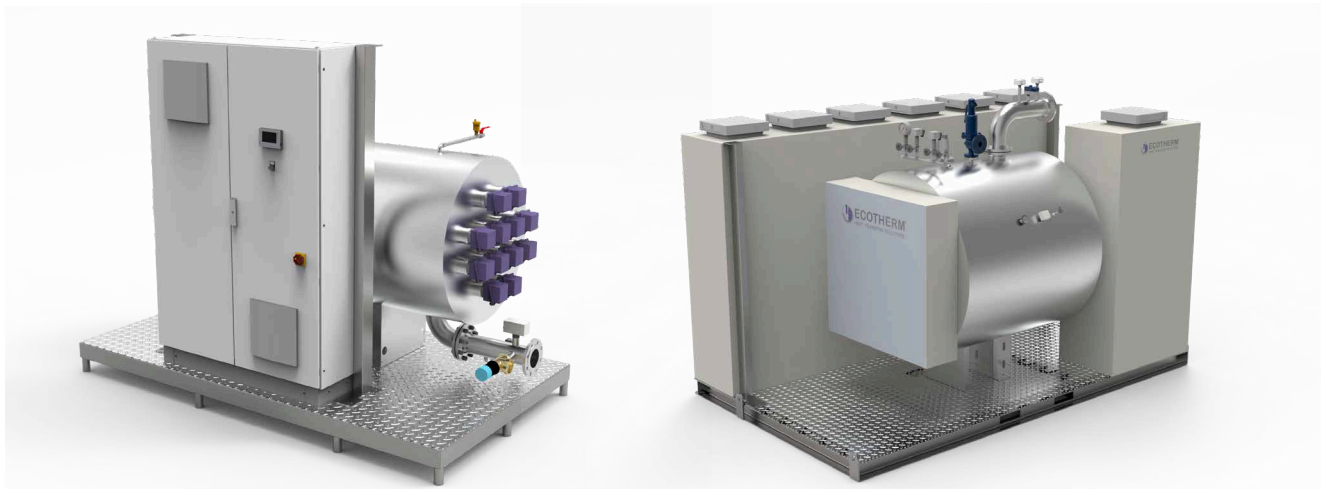
ECOTHERM® Electric Hot Water Boiler

up to max. 110°C | 400V - 690V | up to 10 MW per boiler

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

Features

- For heating, district heating, process heating and "power-to-heat" systems
- Suitable for FCR power frequency control with response times <1s
- With electric flange heater or individual heating elements
- Control cabinet with main switch, system visualization and various interfaces to BMS and BUS systems
- Individual control options (step control or stepless with thyristor)

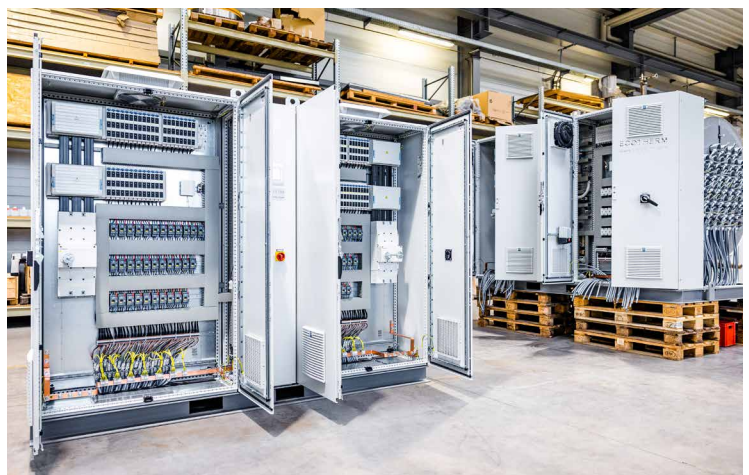


Control Panel

ECOTHERM Electric Boilers are equipped with an industrial standard control panel with a metal enclosure. Each boiler has a main input switch, fuses and power contactors for each heating element.

Depending on the power, the boiler is controlled by a freely programmable industrial PLC control with touch screen HMI and visualization in multi-stage or by means of a thyristor.

All our control cabinet components are electrically tested and wired.



Technical Data

Other/higher capacities / operating pressures / temperatures available on request

Model No.	Power rating kW	No. of elements 18 kW	Water Flow (m³/h) Delta T = 20 K	Dimensions (L x W x H in mm)	Inlet & Outlet Size	Voltage / Mains Frequency*
EEII-TS-75-18-...	72	4	3,09	1400 x 1000 x 1800	DN32	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-100-18-...	108	6	4,64	1400 x 1000 x 1800	DN32	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-160-18-...	162	9	6,965	1400 x 1000 x 1800	DN40	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-250-18-...	252	14	10,83	1750 x 1100 x 2200	DN50	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-300-18-...	306	17	13,16	1790 x 1100 x 2000	DN65	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-400-18-...	396	22	17,03	1900 x 1300 x 2200	DN65	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-500-18-...	504	28	21,67	2820 x 1700 x 2250	DN80	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-660-18-...	666	37	28,63	2820 x 1700 x 2250	DN80	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-800-18-...	792	44	34,05	2820 x 1700 x 2250	DN100	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1000-18-...	1008	2x28	42,99	2820 x 2350 x 2200	DN100	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1200-18-...	1188	2x33	51,07	2820 x 2350 x 2350	DN125	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1500-18-...	1512	2x42	65,00	2820 x 2450 x 2450	DN125	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1750-18-...	1764	2x49	75,23	4000 x 2500 x 2500	DN150	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-2000-18-...	2016	2x56	85,98	4000 x 2500 x 2500	DN150	3 PH 400V/690V – 50Hz/60Hz

Electric Hot Water Boilers with 50 kW heating elements

Model No.	Power rating kW	No. of elements 50 kW	Water Flow (m³/h) Delta T = 20 K	Dimensions (L x W x H in mm)	Inlet & Outlet Size	Voltage / Mains Frequency*
EEII-TS-200-50-H-...	200	4	8,6	1750 x 1100 x 2200	DN50	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-250-50-H-...	250	5	10,7	1570 x 1100 x 2200	DN50	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-300-50-H-...	300	6	12,9	1790 x 1100 x 2000	DN65	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-400-50-H-...	400	8	17,2	1000 x 2150 x 2324	DN65	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-500-50-H-...	500	10	21,5	2820 x 1700 x 2250	DN80	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-600-50-H-...	600	12	25,8	1200 x 2150 x 2430	DN80	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-800-50-H-...	800	16	34,4	2820 x 1700 x 2250	DN100	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1000-50-H-...	1000	20	42,9	2820 x 2350 x 2200	DN100	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1200-50-H-...	1200	24	51,6	2431 x 1850 x 2430	DN100	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1500-50-H-...	1500	30	64,5	2820 x 2450 x 2450	DN125	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1750-50-H-...	1750	35	75,2	4000 x 2300 x 2200	DN125	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-2000-50-H-...	2000	40	85,9	4000 x 2500 x 2500	DN150	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-2500-50-H-...	2500	50	107,5	5200 x 2659 x 2200	DN150	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-3000-50-H-...	3000	60	128,9	3200 x 3350 x 2200	DN200	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-5000-50-H-...	5000	100	214,9	3500 x 6400 x 2500	DN250	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-7500-50-H-...	7500	150	322,4	3500 x 7600 x 2500	DN300	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-10000-50-H-...	10000	200	429,9	3500 x 8400 x 2500	DN350	3 PH 400V/690V – 50Hz/60Hz

Other/higher capacities available in cascades.

Other kW rating per element and other working pressures are available on request. Horizontal or vertical types are available. For the key to model number please refer to page 11.

*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)

Standards

Our products fully comply with the requirements of the European PED 2014/68/EC or ASME Sect. VIII Div. 1.

ECOTHERM® Electric Steam Boiler

Output from 250 - 10,000 kg/h per boiler

ECOTHERM electric steam boilers are used in hospitals or in industry when electricity is available as the primary energy source. The steam is generated by an electric resistance heating flange in the boiler shell. The systems are pre-assembled on frames, complete with feed water tank, water treatment system and control cabinet. The complete factory pre-piping and cabling ensures quick and easy installation on site.

Features

- Pre-assembled on frame for easy installation on site
- Electric steam generation requires no gas/oil supply and no chimney systems
- Control cabinet with main switch, system visualization and various interfaces to BMS and BUS systems
- Design and manufacture according to PED 2014/68/EU or ASME Sect. VIII Div. 1



Turnkey Electric Steam System
1500 kg/h, 6bar

Material

Mild Steel (P235GH)
or Stainless Steel (AISI 304 / 316 Ti / DUPLEX)

Standards

Our products fully comply with the requirements of the European PED 2014/68/EC or ASME Sect. VIII Div. 1.

Technical Data

Other/higher capacities / operating pressures / temperatures available on request

Model No.	Output kg/h	Power Rating kW	Design Pressure bar(g)	Dimensions (L x W x H in mm)	Voltage / Mains Frequency*
EESB-250-...	250	160	up to 16 bar	3200 x 1500 x 2000	3 PH 400V/690V – 50Hz/60Hz
EESB-500-...	500	325	up to 16 bar	3750 x 1500x 2300	3 PH 400V/690V – 50Hz/60Hz
EESB-750-...	750	485	up to 16 bar	4200 x 1500 x 2500	3 PH 400V/690V – 50Hz/60Hz
EESB-1000-...	1000	650	up to 16 bar	4500 x 1500 x 2600	3 PH 400V/690V – 50Hz/60Hz
EESB-1500-...	1500	970	up to 16 bar	5000 x 1750 x 3200	3 PH 400V/690V – 50Hz/60Hz
EESB-2000-...	2000	1295	up to 16 bar	5500 x 1750 x 3500	3 PH 400V/690V – 50Hz/60Hz
EESB-2500-...	2500	1620	up to 16 bar	6000 x 2000 x 3800	3 PH 400V/690V – 50Hz/60Hz
EESB-3000-...	3000	1940	up to 16 bar	on request	3 PH 400V/690V – 50Hz/60Hz
EESB-4000-...	4000	2590	up to 16 bar	on request	3 PH 400V/690V – 50Hz/60Hz
EESB-5000-...	5000	3240	up to 16 bar	on request	3 PH 400V/690V – 50Hz/60Hz
EESB-6000-...	6000	3880	up to 16 bar	on request	3 PH 690V – 50Hz/60Hz
EESB-7500-...	7500	4480	up to 16 bar	on request	3 PH 690V – 50Hz/60Hz
EESB-10000-...	10,000	5580	up to 16 bar	on request	3 PH 690V – 50Hz/60Hz

Other/higher capacities available in cascades.

Model No.	Cascade	Power Rating kW	Design Pressure bar(g)	Dimensions (L x BW x H in mm)	Voltage / Mains Frequency*
EESB-12000-...	2x EESG-6000kg/h	7780	up to 16 bar	on request	3 PH 690V – 50Hz/60Hz
EESB-15000-...	2x EESG-7500kg/h	9720	up to 16 bar	on request	3 PH 690V – 50Hz/60Hz
EESB-20000-...	2x EESG-10000kg/h	12960	up to 16 bar	on request	3 PH 690V – 50Hz/60Hz

*The voltage for standard models is 3 PH 400V. For larger capacities, we recommend higher voltages up to 690V (on request).

For the key to model number please refer to page 10.

Control Panel

ECOTHERM Electric Steam Systems are equipped with their own control and switch cabinet to ensure constant control and performance monitoring of the steam system.

Each boiler is equipped with a main switch, fuses and power contactors for each heating stage.

The control cabinet is equipped with a state-of-the-art safety microprocessor control with touch screen HMI for control and visualization of all supplied devices..



ECOTHERM Electric Clean Steam Boiler

Output from 250 – 10,000 kg/h per boiler

ECOTHERM Electric Clean Steam Boilers are used in hospitals or in industry with electricity as the primary energy source. Pure steam is required when steam comes into direct contact with a product, e.g. in the food and beverage industry or for sterilization processes in hospitals. All parts that come into contact with the medium are made of V4A stainless steel. Reverse osmosis systems are used for water treatment.

Features

- Clean steam is generated directly no plant steam required
- All wetted parts made of stainless steel 1.4571
- Water treatment by reverse osmosis
- Construction and manufacture in accordance with PED 2014/68/EC or ASME Sect. VIII Div.

Technical Data

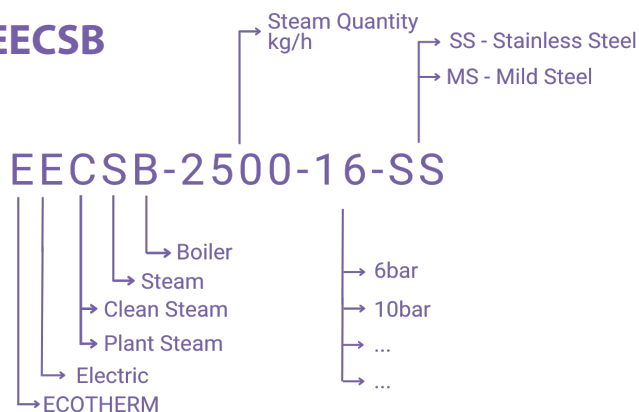
Other/higher capacities / operating pressures / temperatures available on request

Model No.	Output kg/h	Power Rating kW	Design Pressure bar(g)	Dimensions (L x W x H in mm)	Voltage / Mains Frequency*
EECSB-250-...-SS	250	160	up to 16 bar	3200 x 1500 x 2000	3 PH 400V/690V – 50Hz/60Hz
EECSB-500-...-SS	500	325	up to 16 bar	3750 x 1500 x 2300	3 PH 400V/690V – 50Hz/60Hz
EECSB-750-...-SS	750	485	up to 16 bar	4200 x 1500 x 2500	3 PH 400V/690V – 50Hz/60Hz
EECSB-1000-...-SS	1000	650	up to 16 bar	4500 x 1500 x 2600	3 PH 400V/690V – 50Hz/60Hz
EECSB-1500-...-SS	1500	970	up to 16 bar	5000 x 1750 x 3200	3 PH 400V/690V – 50Hz/60Hz
EECSB-2000-...-SS	2000	1295	up to 16 bar	5500 x 1750 x 3500	3 PH 400V/690V – 50Hz/60Hz
EECSB-2500-...-SS	2500	1620	up to 16 bar	6000 x 2000 x 3800	3 PH 400V/690V – 50Hz/60Hz
EECSB-3000-...-SS	3000	1940	up to 16 bar	on request	3 PH 400V/690V – 50Hz/60Hz
EECSB-4000-...-SS	4000	2590	up to 16 bar	on request	3 PH 400V/690V – 50Hz/60Hz
EECSB-5000-...-SS	5000	3240	up to 16 bar	on request	3 PH 400V/690V – 50Hz/60Hz
EECSB-6000-...-SS	6000	3880	up to 16 bar	on request	3 PH 690V – 50Hz/60Hz
EECSB-7500-...-SS	7500	4480	up to 16 bar	on request	3 PH 690V – 50Hz/60Hz
EECSB-10000-...-SS	10,000	5580	up to 16 bar	on request	3 PH 690V – 50Hz/60Hz

Other/higher capacities available in cascades.

*The voltage for standard models is 3 PH 400V. For higher outputs, we recommend higher voltages up to 690V (on request).

Key to model number Electric Steam Boiler EECSB



ECOTHERM Electric Super Heated Boiler

over 110°C | 400V - 690V | up to 10 MW per boiler

ECOTHERM Electric Super Heated Boilers are used, for example, in district heating networks or in industrial processes where the maximum permissible operating temperature is higher than 110°C. The boilers are classified in accordance with the PED (Pressure Equipment Directive) and equipped with all necessary safety devices.

Features

- Maximum operating temperature higher than 110°C
- Classified and manufactured in accordance with PED 2014/68/EC or ASME Sect. VIII Div. 1
- Optimal for use in district heating networks or industrial processes
- Equipped with all necessary safety devices and SIL (Safety Integrity Level) Level 3 regulation

Technical Data

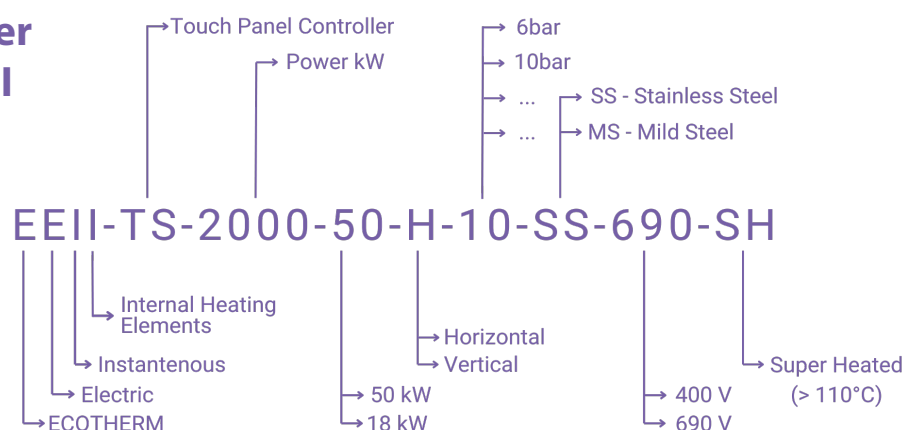
Other/higher capacities / operating pressures / temperatures available on request

Model No.	Power Rating kW	No. of elements 50 kW	Water Flow (m³/h) Delta T = 20 K	Dimensions (L x W x H in mm)	Inlet & Outlet Size	Voltage / Mains Frequency*
EEII-TS-200-50-...-SH	200	4	8,6	1750 x 1100 x 2200	DN50	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-250-50-...-SH	250	5	10,7	1570 x 1100 x 2200	DN50	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-300-50-...-SH	300	6	12,9	1790 x 1100 x 2000	DN65	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-400-50-...-SH	400	8	17,2	1000 x 2150 x 2324	DN65	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-500-50-...-SH	500	10	21,5	2820 x 1700 x 2250	DN80	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-600-50-...-SH	600	12	25,8	1200 x 2150 x 2430	DN80	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-800-50-...-SH	800	16	34,4	2820 x 1700 x 2250	DN100	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1000-50-...-SH	1000	20	42,9	2820 x 2350 x 2200	DN100	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1200-50-...-SH	1200	24	51,6	2431 x 1850 x 2430	DN100	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1500-50-...-SH	1500	30	64,5	2820 x 2450 x 2450	DN125	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-1750-50-...-SH	1750	35	75,2	4000 x 2300 x 2200	DN125	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-2000-50-...-SH	2000	40	85,9	4000 x 2500 x 2500	DN150	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-2500-50-...-SH	2500	50	107,5	5200 x 2659 x 2200	DN150	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-3000-50-...-SH	3000	60	128,9	3200 x 3350 x 2200	DN200	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-5000-50-...-SH	5000	100	214,9	3500 x 6400 x 2500	DN250	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-7500-50-...-SH	7500	150	322,4	3500 x 7600 x 2500	DN300	3 PH 400V/690V – 50Hz/60Hz
EEII-TS-10000-50-...-SH	10000	200	429,9	3500 x 8400 x 2500	DN350	3 PH 400V/690V – 50Hz/60Hz

Other/higher capacities available in cascades.

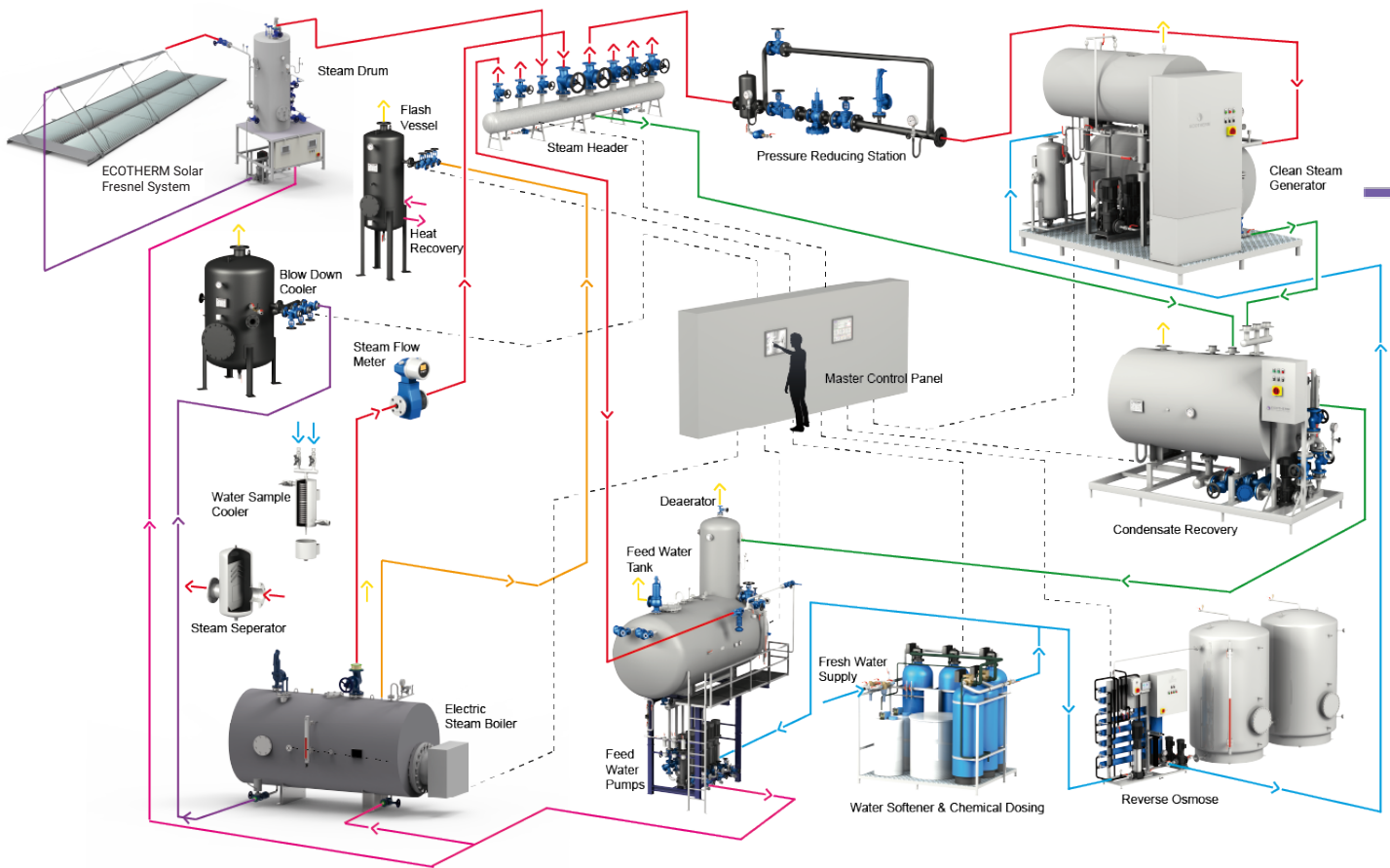
*The voltage for standard models is 3 PH 400V. For higher outputs, we recommend higher voltages up to 690V (on request).

Key to model number Hot Water Boiler EEII



ECOTHERM® Turnkey Electric Steam System

Optional with solar steam generation



Steam systems are complex and individual systems in which many different components are used, installed and optimally coordinated with each other to ensure functionality and perfect efficiency from day one.

Our ECOTHERM engineers ensure that the system is stable, safe and efficient and achieves the desired performance. The range of services includes initial design studies, 3D visualizations, project management, manufacturing, pre-assembly and pre-wiring, as well as testing, shipping, commissioning, monitoring and maintenance.

ECOTHERM offers the right know-how for the individual design of turnkey solutions resulting from years of experience with over a thousand installations in Europe, the Middle East, Asia, North Africa and Central America.



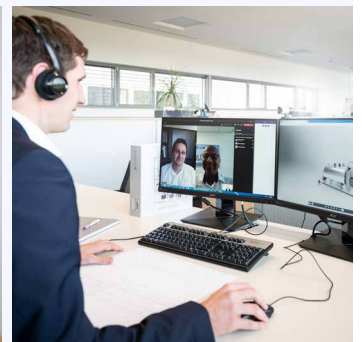
Planning & Design



Production & Pre-Assembly



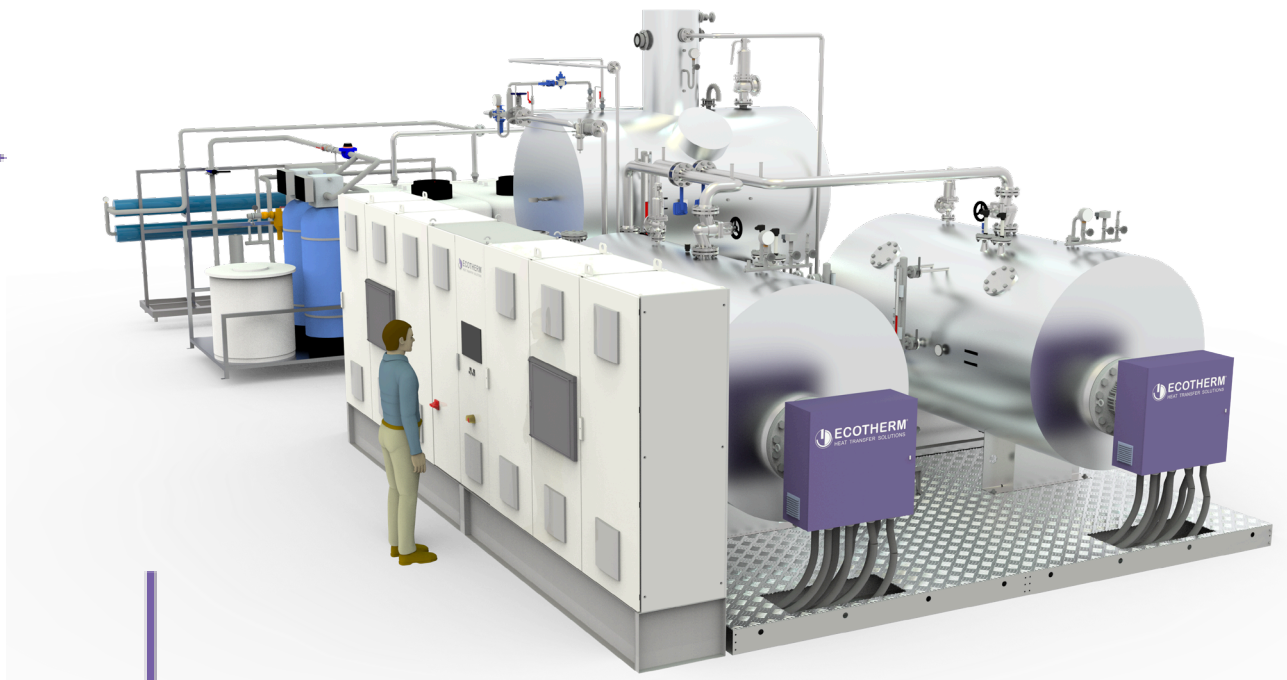
Delivery & Commissioning



After Sales & Spareparts

Your reliable partner

...from the start of the project to the commissioning of the plant at the customer's site



Completely pre-assembled, electric pure steam generator, 2x 2000 kg/h & 16 bar, completely virtual, from quotation to installation on site



Sheraton Hong Kong Hotel & Towers

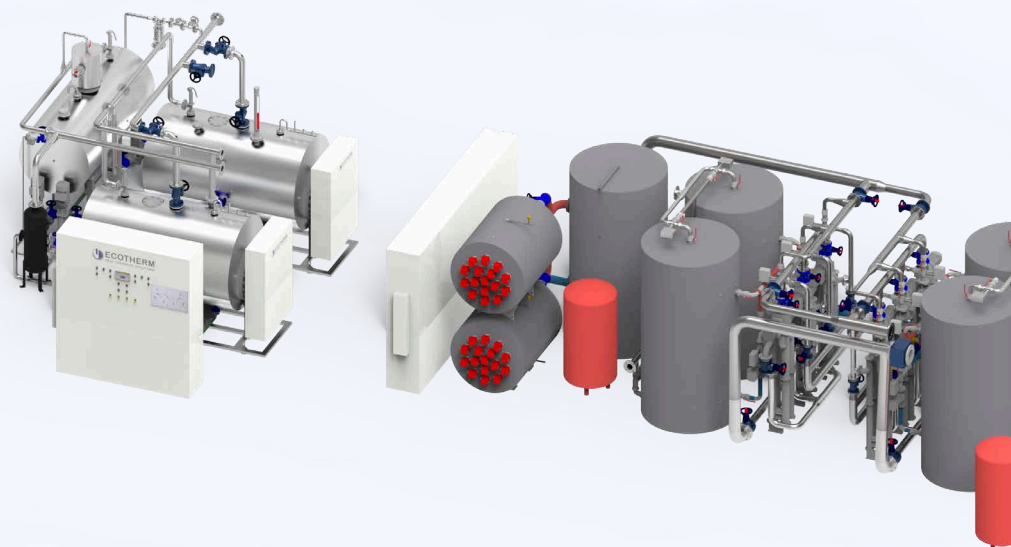
Tsim Sha Tsui, Hong Kong | 2008



The Sheraton Hotel is located along the Victoria Harbour in Hong Kong. It comprises of 782 guest rooms as well as several spas, saunas and health clubs with professional instructors. In addition to that it offers various ballrooms, meeting spaces, restaurants, lounges, cafes and bars and a swimming pool on the rooftop with a view of the Victoria Harbour.

ECOTHERM Turnkey Steam & Hot Water System

- 4x Electric Hot Water Systems (800 kW & 2000 l),
- 2x Electric Steam Boilers (each 1,800 kg/h 10 bar),
- 4x Heat Pumps (350 kW)



• Savings

- 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 to guest rooms, kitchen and laundry.
- Reduction of hot water storage volume from total 150.000 litres to only 8.000 litres
- approx. 200 m² space saving
- approx. 25% fuel savings

Aluminum Factory Hungary

Hungary | 2020

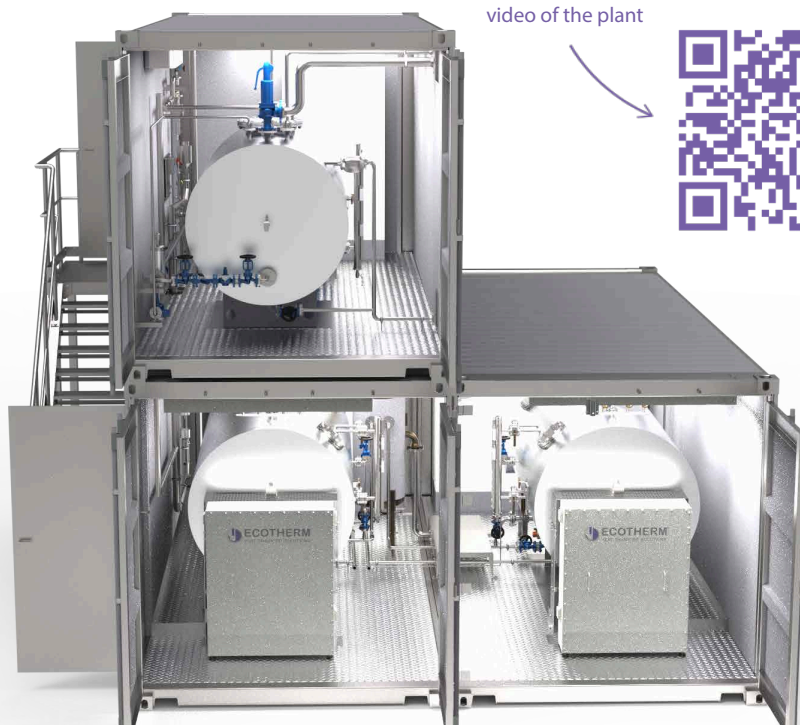


In this case, the customer requested the installation of an electric steam boiler. However, ECOTHERM soon realized that there was no space for this and instead provided an innovative solution: a container solution with a complete system. The container was assembled by ECOTHERM, disassembled for transport and then reassembled directly at the customer's site. Thus, ECOTHERM always finds customized solutions for every problem through customer orientation and creativity.

ECOTHERM POWER-TO-HEAT Electric Steam Boilers

Turnkey Containerized Steam System,
2x Electric Steam Boilers (1500kg/h),
Feed Water Tank, Master Control Panel
and Accessories

Scan this QR-Code for a
video of the plant



Food & Beverage Factory

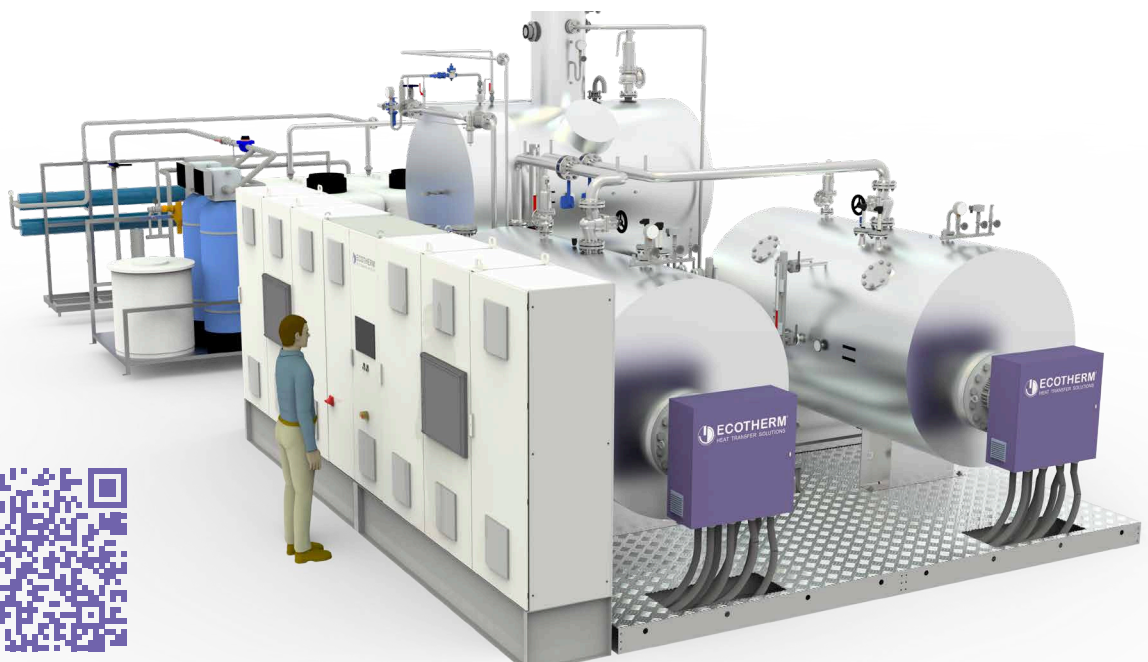
Netherlands | 2020



ECOTHERM Electric Clean Steam Generator - 2x 2,000 kg/h

ECOTHERM supplied two electric steam boilers with 1344 kW of electrical power, each mounted on a skid with feed water tank (4000 l), blow-down cooler, steam distributor, control cabinet (8 m long), reverse osmosis with three 4000 l storage tanks, complete piping, wiring and insulation. The steam plant was built in accordance with all applicable European regulations and approved by TÜV. In addition, a virtual reality model of the plant was created for the customer using live data.

Scan this QR-Code for a VR model of the plant



ISOMAT Building Materials Production

Thessaloniki, Greece | 2024



ISOMAT is a leading manufacturer of high-quality building materials and innovative solutions for construction and renovation. The company offers a wide range of sealants, paints, adhesives and more.

ECOTHERM Turnkey Electric Steam System

Turnkey Electric Steam System 3,2t/h 2MW electrical power

Scan this QR-Code for a video of the plant



Pannonia Bio

Tolna, Hungary | 2021

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

ECOTHERM Electric Hot Water Boiler

1x Electric Hot Water Boiler, 1476 kW, fully pre-assembled and wired; ECOTHERM electric boilers use surplus electrical energy from renewable sources for heating



King Faisal Specialist Hospital

Riyadh, Saudi-Arabia | 2018

KFSH research provides a highly standardized scientific environment that supports the development of clinical practices, making it one of the world's leading centers for rare disease research.

ECOTHERM Electric Steam Boiler

2x Electric Steam Boiler (each 1000 kg/h),
2x Heating Elements (660 kW)



Paintshop for car industry

Monterrey, Mexico | 2025

Electric boiler for heating in a paint shop for the automotive industry.

ECOTHERM Electric Hot Water Boiler

Electric Hot Water Boiler EEII-TS 1200 kW



District Heating

Czech Republic | 2024/2025

Power to Heat Solution for District Heating in Czech Republic.

ECOTHERM Electric Hot Water Boilers

2x EEII-TS-400,
2x EEII-TS-600



KSAU Medical Research Center

Riyadh, Saudi-Arabia | 2010

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 to specialize in health sciences.

ECOTHERM Electric Steam Boiler

1x Electric Steam Boiler (1100 kg/h, 6bar)



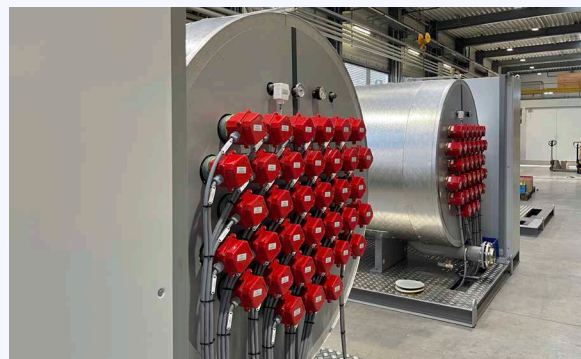
District Heating

Budapest, Hungary | 2022

"Power-To-Heat" solutions from ECOTHERM are the perfect solution for converting excess energy from renewable sources into heat or steam for use in district heating networks, such as this one in Budapest and other cities.

ECOTHERM „Power-To-Heat“ Hot Water Boilers

1x Electric Hot Water Boiler EEII-TS-5000-HA,
1x Electric Hot Water Boiler EEII-TS-1000-HA,
4x Electric Hot Water Boilers EEII-TS-150-HA



Sheraton Hotels

Porto & Lisbon, Portugal | 2022

The 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.

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

2x Electric Hot Water Boilers (1000 kW)



Al Salam Hospital

Kuwait | 2005

Al Salam International Hospital is located in Bneid Al Qar in Kuwait and comprises 12 floors with a total area of 38,000 m², a 6-storey parking garage with 23,000 m² and a 9-storey residential building for staff with 10,800 m².

ECOTHERM Turnkey Steam System / Electric Water Heaters

2x EESG-C270 Electrical Clean Steam Generators, 13x EETS (60 kW & 1900 l)



Electric Car Manufacturer

Hungary | 2023

The production facility in Hungary is a state-of-the-art automotive plant that will be commissioned in 2025. The €1 billion investment is aimed at producing electric vehicles in a CO₂-neutral environment.

ECOTHERM Electric Hot Water Boilers “Power-To-Heat” Electric Hot Water Boilers EEII-TS:

1x 2230 kW, 1x 1200 kW,
2x 250 kW, 1x 180 kW,
1x 460 kW, 1x 800 kW,
1x 288 kW, 1x 126 kW



Alpol Food Albania

Adriatik, Albania | 2023

Alpol is a company dedicated to producing fresh, healthy, and authentic Albanian chicken meat.

ECOTHERM Electric Hot Water Boiler

Electric Hot Water Boiler EEII-TS (300 kW)



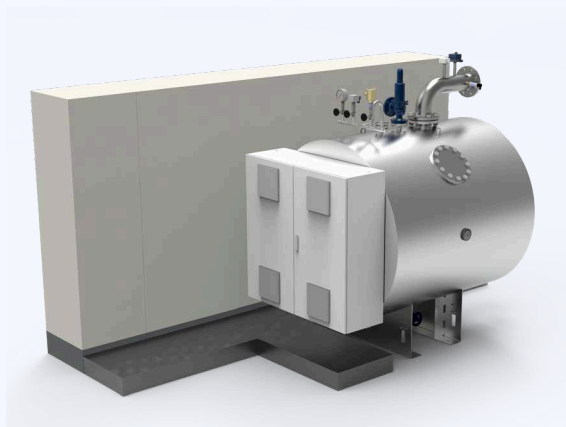
District Heating

Brodnica, Poland | 2025

Power to Heat Solution for District Heating in Brodnica, Poland.

ECOTHERM Super Heated Electric Hot Water Boiler

1x EEII-TS-2000-SH (16bar)



Pharma Industry

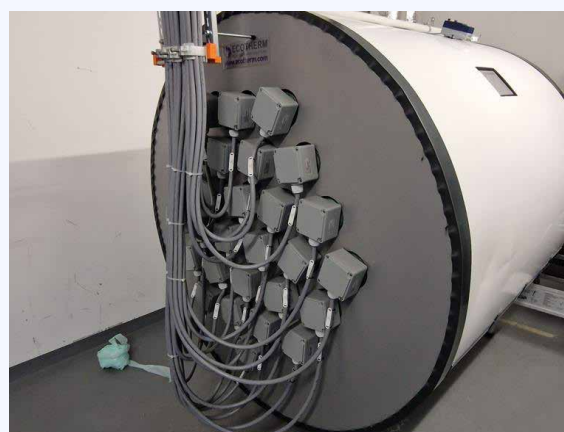
Germany | 2022

Hot Water Boilers for Pharma Industry, backup and redundancy for gas boilers.

ECOTHERM Electric Hot Water Boilers

1x EEII-TS (350 kW),

3x EEII-TS (500 kW)



Holiday Inn Kuwait al Thuraya City

Kuwait | 2005

The hotel offers 336 modern rooms with breathtaking views of the city. The hotel is just a seven-minute drive from Kuwait International Airport.

ECOTHERM Electric Hot Water Boiler
2x EEII-TS 144kW



Electric Heater Serbia

Serbia | 2021

The ECOTHERM Electric Hot Water Boilers were ordered to be used as a replacement for existing heat pumps.

ECOTHERM Electric Hot Water Boiler
1x EEII-TS 612kW,
1x EEII-TS 306kW



Dorsett Shepherds Bush Hotel

London, United Kingdom | 2024

The 8-storey hotel features modern architecture, 317 rooms and suites, four meeting rooms, The Spice Gallery Restaurant Bar & Deli and Jin Bar.

ECOTHERM Electric Hot Water Boiler
2x EEII-TS 300kW





Your partner



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