

**H<sub>2</sub>**  
Ready

Steam production **1500 ÷ 7000 Kg/h**

Design pressure **12 bar**



# TReVAPOR P

High efficiency  
steam generation system

**ICI**

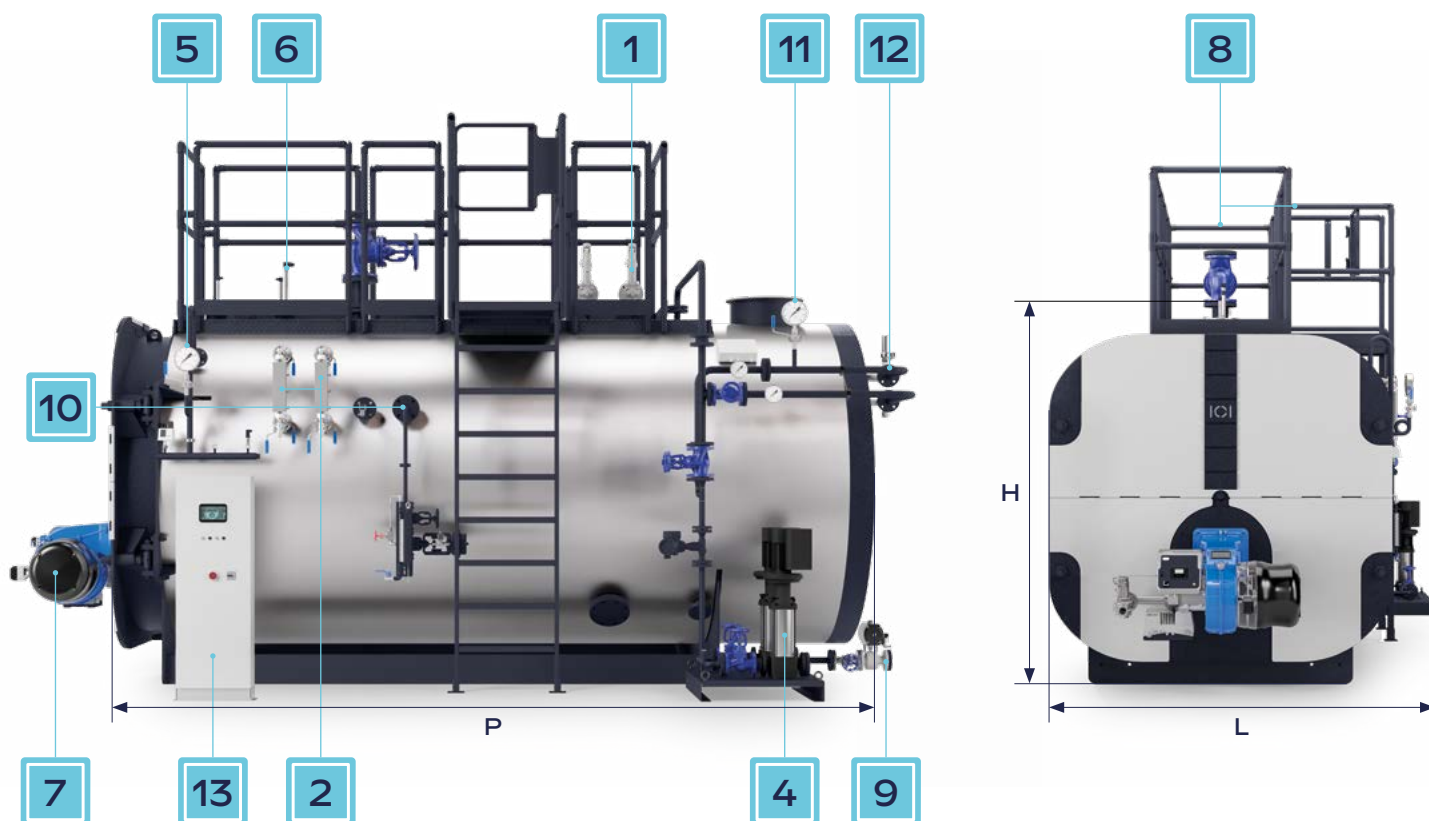
POWERING EVOLUTION



The TReVAPOR range encompasses steam generators designed to exceed today's standards in terms of efficiency and low polluting emissions, without renouncing the very high safety and reliability standards, which have always been a distinguishing feature of ICI CALDAIE products. Certified as Assembly according to the PED 2014/68/EU directive also in its basic equipment, each model in the range can be customized to meet every need thanks to a wide range of configurations and accessories available.

## TECHNICAL DATA

TReVAPOR P	Steam production (ref. H <sub>2</sub> O 80 °C)	Design pressure	100% Productivity (ref. P.C.I.)	Heat output	Flow thermal
	kg/h	bar	%	kW	kW
<b>1500</b>	1500	12	90	1022	1136
<b>2000</b>	2000	12	90	1363	1514
<b>2500</b>	2500	12	90	1703	1893
<b>3000</b>	3000	12	90	2044	2271
<b>3500</b>	3500	12	90	2385	2650
<b>4000</b>	4000	12	90	2726	3028
<b>5000</b>	5000	12	90	3407	3786
<b>6000</b>	6000	12	90	4088	4543
<b>6500</b>	7000	12	90	4770	5300



## Standard accessories

1. Safety valves
2. Level indicator
3. Electrical panel
4. Water supply pumps
5. Pressure switch and manometer group
6. Level regulation probes

## Optional accessories

7. Burner
8. Ladder and handrail
9. Automatic bottom purge
10. TDS salinity control
11. First and second stage economisers
12. Modulating power supply group
13. Electrical panel

## DIMENSION

TReVAPOR P	H	L	P	Empty weight	Total volume
	mm	mm	mm	kg	l
<b>1500</b>	2260	2085	3359	5700	2300
<b>2000</b>	2570	2370	3508	6300	3650
<b>2500</b>	2641	2370	4008	7050	4450
<b>3000</b>	2844	2595	4168	8950	5500
<b>3500</b>	2844	2595	4668	10050	6400
<b>4000</b>	3041	2770	4730	10550	7780
<b>5000</b>	3108	2770	5259	11950	8800
<b>6000</b>	3352	2945	5328	13550	9730
<b>6500</b>	3352	2945	5828	14750	10980

## ADVANTAGES

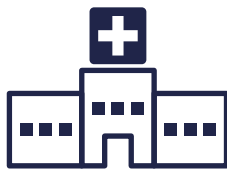
- **Control and regulation:**  
connection and regulation of the entire system via a PLC entirely developed by ICI.
- **Interconnection with the heating plant:**  
remotization of all operating data via communication protocols. Creation of a synoptic on a dedicated web page for remote telemanagement.
- **Traditional fuels:**  
Methane - LPG - Naphtha - Diesel
- **Clean fuels:**  
Biogas - Biomethane - Biodiesel - Syngas
- **H<sub>2</sub> Ready:**  
Compatibility with hydrogen operation with mixtures up to 100%
- **Certifications**



## MAIN APPLICATIONS



Industry



Hospital



Food&Beverage



Oil&Gas

## SUPPORT SERVICES

With the new Assistance Services specific to the different types of generators and the impact they have on productivity, ICI Powering Evolution customers can maintain the high efficiency status of their thermal power plants.

### Activities

Each package offers a unique level of service, designed to guarantee:

- A wide range of included services
- Tailored support for specific needs
- Performance analysis and monitoring

Support service activities are grouped into 3 categories:



Basic Support



Active Support



Active Support Plus

# COMPONENTS COMPATIBLE



**ECO-T**  
Economiser for steam boilers  
series TReVAPOR



**DEG/P**  
Pressurized degasser



**ECXV KOND**  
Stainless steel vertical  
condensing economiser



**VEX**  
Steam accumulator



**VRC-V**  
Condensation collection vessel



**MODULATING WATER  
SUPPLY GROUP**  
(Optional with Inverter on board  
pumps)



**LADDER AND HANDRAIL**



**GSS 72H-L**  
Steam safety system for  
exemption from operation for  
up to a maximum of 72 hours



**ADD**  
Feed water treatment for  
steam generators



**GSS 24 PLUS**  
Steam safety system for  
exemption from operation for  
up to a maximum of 24 hours



**BDV**  
Drain collection tank



**SERVICE LEVEL AGREEMENT**  
19 managed services, 3 levels of  
offering



**DEG**  
Atmospheric degasser



POWERING EVOLUTION