

H₂
Ready

Steam production **1500 ÷ 6000 Kg/h**

Design pressure **12 bar**



TReVAPOR

High efficiency
steam generation system

ICI

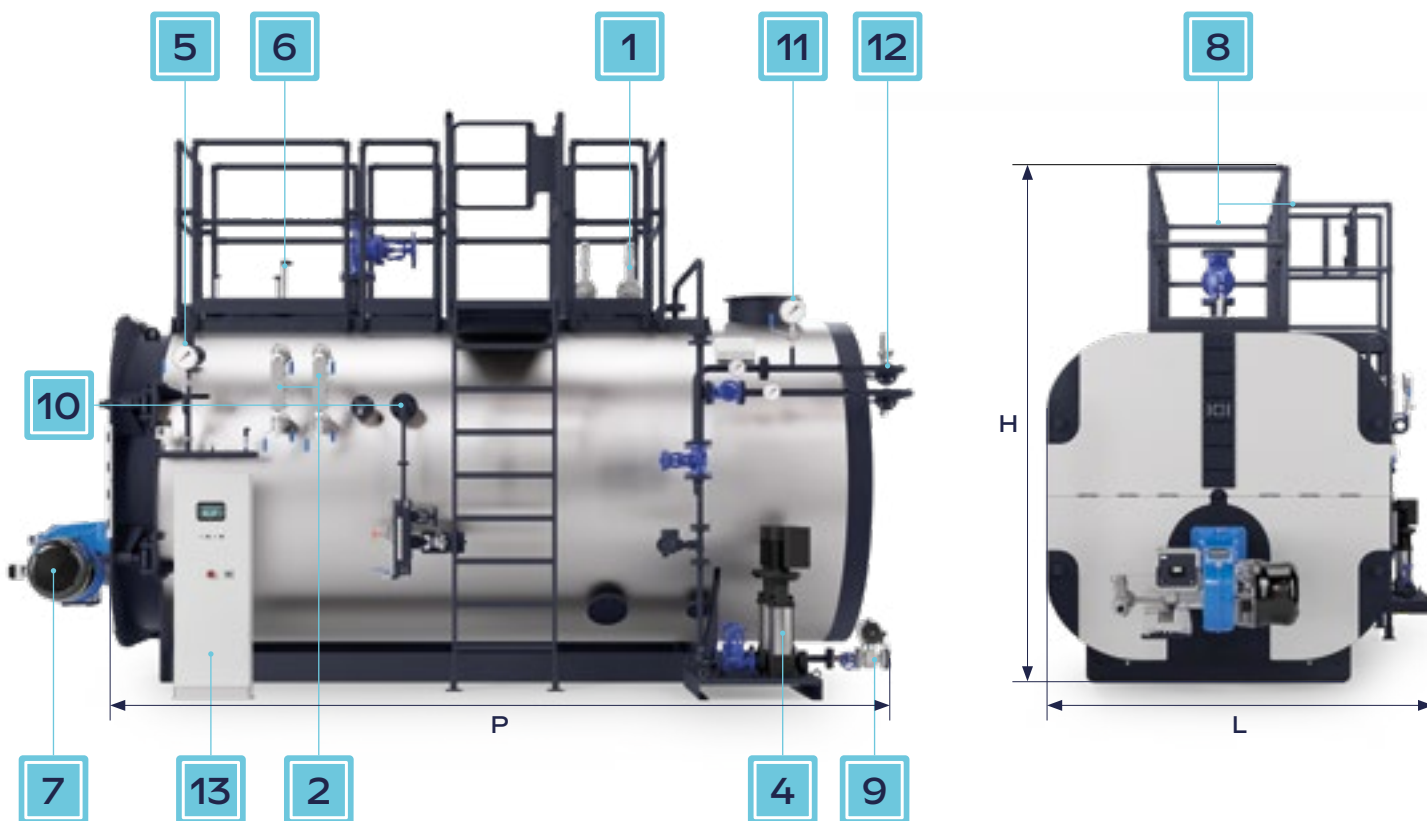
POWERING EVOLUTION



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	Steam production (ref. H ₂ O 80 °C)	Design pressure*	100% Productivity (ref. P.C.I.)	Emission*	Heat output	Flow thermal
	kg/h	bar	%	NOx (mg/Nm ³)	kW	kW
1200	1200	12	fino a 98	< 80	818	904
1500	1500	12	fino a 98	< 80	1022	1129
2000	2000	12	fino a 98	< 80	1363	1506
2500	2500	12	fino a 98	< 80	1703	1882
3000	3000	12	fino a 98	< 80	2044	2259
3500	3500	12	fino a 98	< 80	2385	2635
4000	4000	12	fino a 98	< 80	2726	3012
5000	5000	12	fino a 98	< 80	3407	3765
6000	6000	12	fino a 98	< 80	4088	4518



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	H	L	P	Empty weight	Total volume
	mm	mm	mm	kg	l
1200	2260	2065	3359	5700	2300
1500	2570	2370	3508	6300	3650
2000	2641	2370	4008	7050	4450
2500	2844	2595	4168	8950	5500
3000	2844	2595	4668	10050	6400
3500	3041	2770	4758	10550	7780
4000	3108	2770	5259	11950	8800
5000	3352	2925	5328	13550	9730
6000	3352	2925	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
- **H₂ 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.

Activity

The support services activities are grouped into 4 categories:

- **Web Access Pack**
- **LVL 1 - Basic Support**
- **LVL 2 - Advanced Support**
- **LVL 3 - Advanced Support Plus**

ACCESSORIES AVAILABLE



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
11 managed services, 4 levels of offering



DEG
Atmospheric degasser

ICI

POWERING EVOLUTION

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