

H₂
Ready

Steam production **1500 ÷ 7000 Kg/h**

Design pressure **12 bar**



TReVAPOR P

High efficiency
steam generation system

ICI

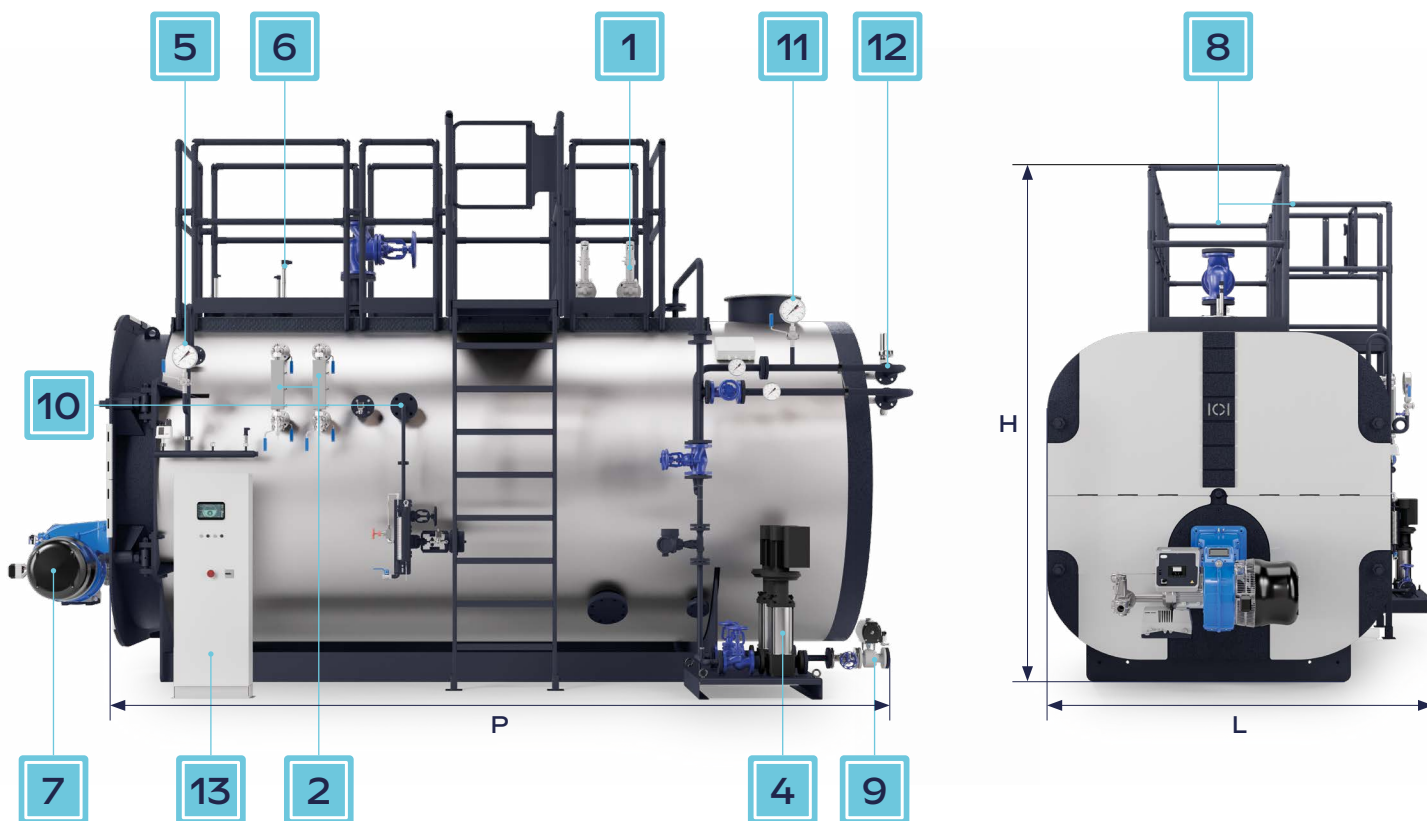
POWERING EVOLUTION



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 ICICALDAIE 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 ₂ O 80 °C)	Design pressure	100% Productivity (ref. P.C.I.)	Heat output	Flow thermal
	kg/h	bar	%	kW	kW
1500	1500	12	90	1022	1136
2000	2000	12	90	1363	1514
2500	2500	12	90	1703	1893
3000	3000	12	90	2044	2271
3500	3500	12	90	2385	2650
4000	4000	12	90	2726	3028
5000	5000	12	90	3407	3786
6000	6000	12	90	4088	4543
6500	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
1500	2260	2085	3359	5700	2300
2000	2570	2370	3508	6300	3650
2500	2641	2370	4008	7050	4450
3000	2844	2595	4168	8950	5500
3500	2844	2595	4668	10050	6400
4000	3041	2770	4730	10550	7780
5000	3108	2770	5259	11950	8800
6000	3352	2945	5328	13550	9730
6500	3352	2945	5828	14750	10980

ADVANTAGES

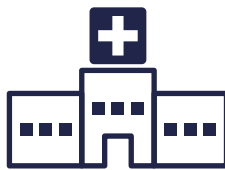
- **Control and regulation:**
connection and regulation of the entire system via a PLC entirely developed by ICI.
- **Interconnection with the heating plant:**
remotization of all operating data via communication protocols. Creation of a synoptic on a dedicated web page for remote telemanagement.
- **Traditional fuels:**
Methane - LPG - Naphtha - Diesel
- **Clean fuels:**
Biogas - Biomethane - Biodiesel - Syngas
- **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**



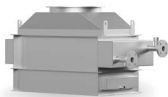
ACCESSORIES AVAILABLE



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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