

H₂
Ready

Steam production **1500 ÷ 7000 Kg/h**

Design pressure **12 bar**



TReVAPOR P

Three-pass steam boilers

ICI

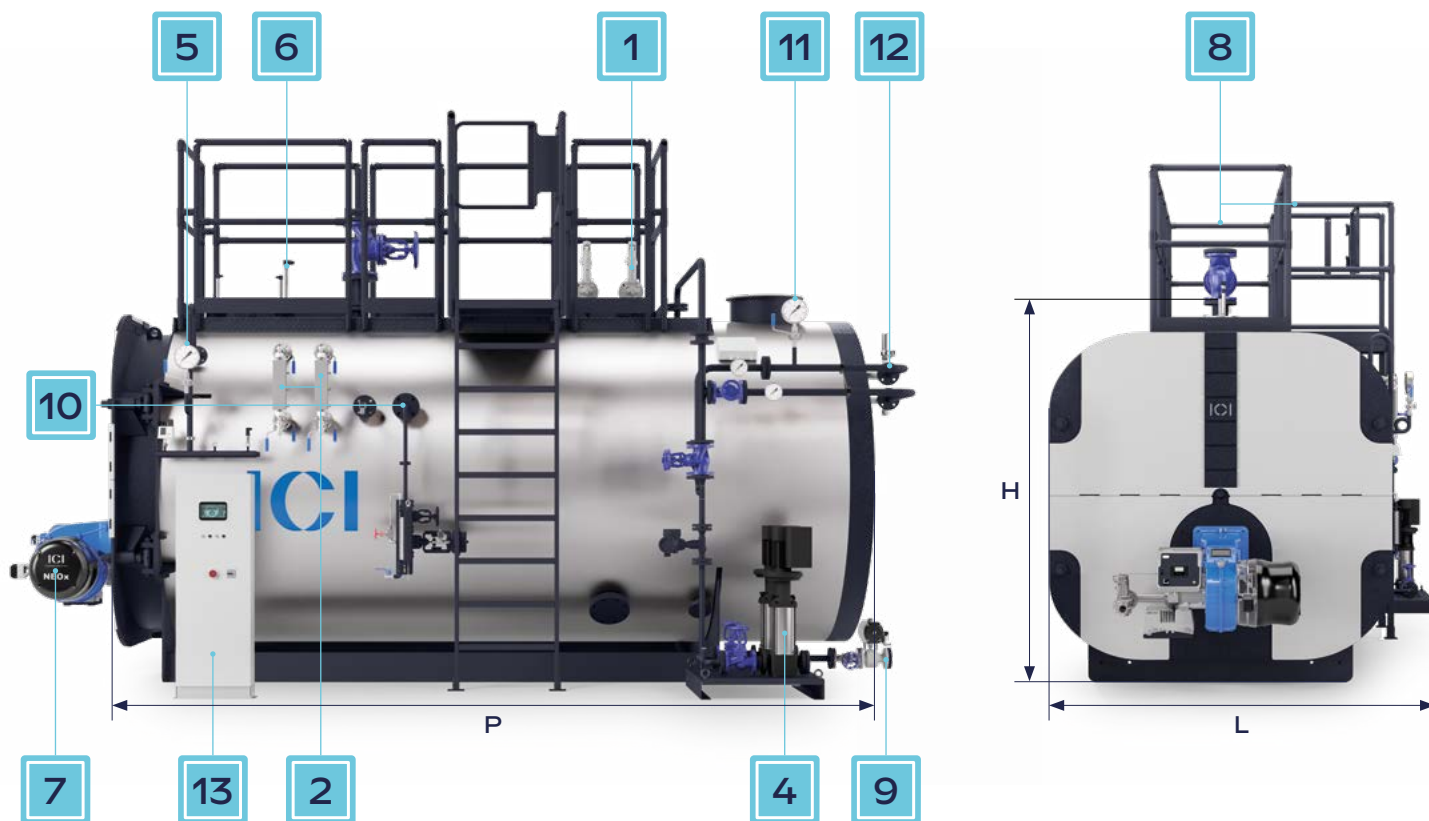
POWERING EVOLUTION



The TReVAPOR range encompasses three pass wet back, 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 Powering Evolution. 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	Thermal capacity
	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

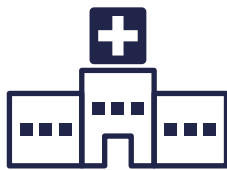
- **Three-pass technology:**
better heat exchange - greater energy efficiency - reduced polluting emissions - durability and reliability - greater savings in consumption
- **Control and regulation:**
connection and regulation of the entire system via a PLC entirely developed by ICI.
- **Interconnection 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 - Naptha - 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.

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

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