

H₂
Ready

Steam production **1500 ÷ 6000 Kg/h**

Design pressure **12 bar**



TReVAPOR

Three-pass steam boilers

ICI

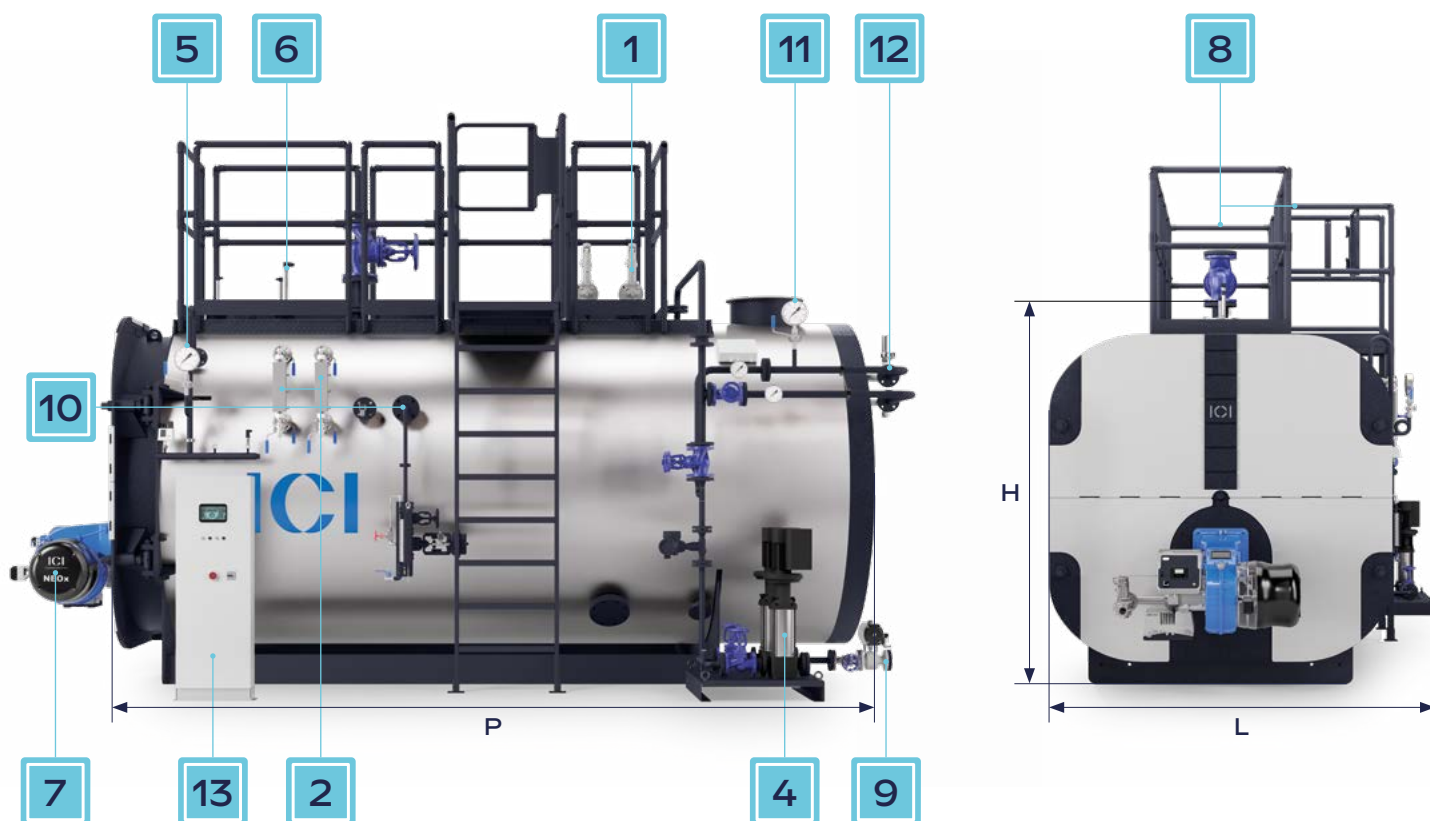
POWERING EVOLUTION



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	Steam production (ref. H ₂ O 80 °C)	Design pressure*	100% Productivity (ref. P.C.I.)	Emission*	Heat output	Thermal capacity
	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

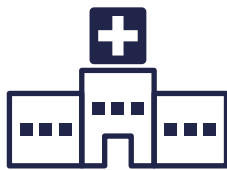
- **Three-pass technology:**
better heat exchange - greater energy efficiency - reduced polluting emissions - durability and reliability - greater savings in consumption
- **Control and regulation:**
connection and regulation of the entire system via a PLC entirely developed by ICI.
- **Interconnection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

ICI CALDAIE S.p.A.

Via G. Pascoli, 38
37059 Campagnola di Zevio
(Verona) - Italia

icicaldaie.com

T. +39 045 8738511
P.IVA e C.F. 00227490232