

COMPONENTS COMPATIBLE



ECXV KOND
Stainless steel vertical
condensing economiser



DEG/P
Pressurized degasser



VRC-V
Condensation collection vessel



VEX
Steam accumulator



ADD
Feed water treatment for
steam generators



SERVICE LEVEL AGREEMENT
19 managed services, 3 levels of
offering



BDV
Drain collection tank



DEG
Atmospheric degasser

ICI
POWERING EVOLUTION

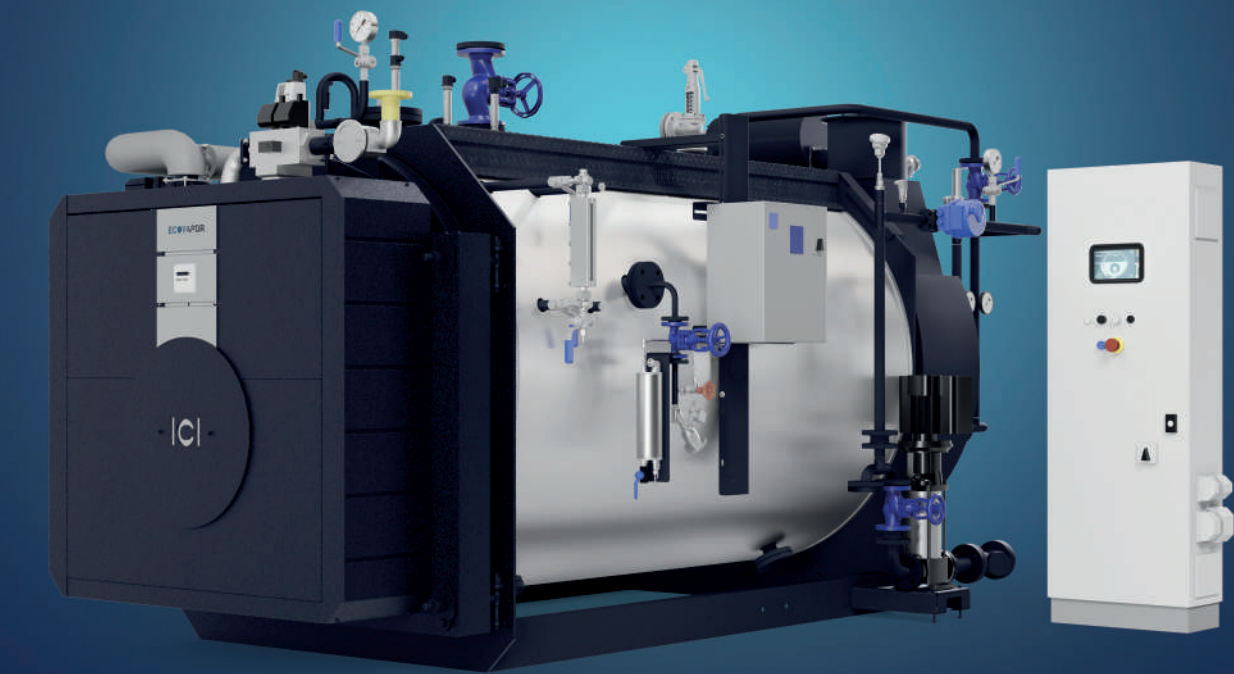
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THERMAL

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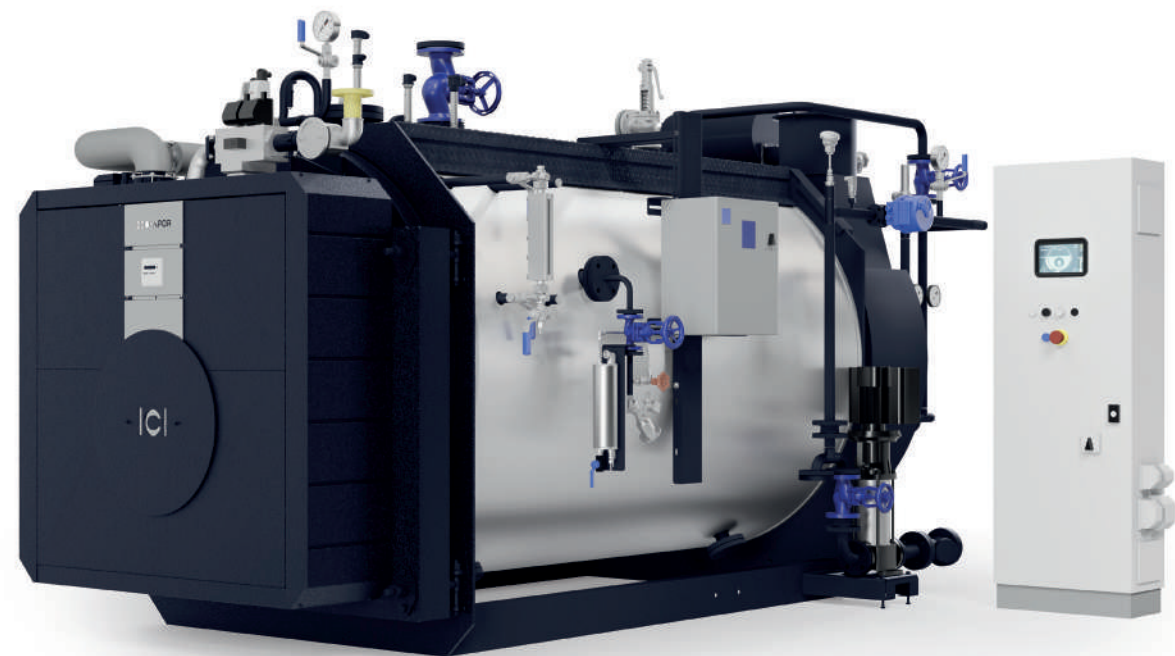
Steam production **1000 ÷ 3000 Kg/h**
Design pressure **12 bar**

H₂
Ready

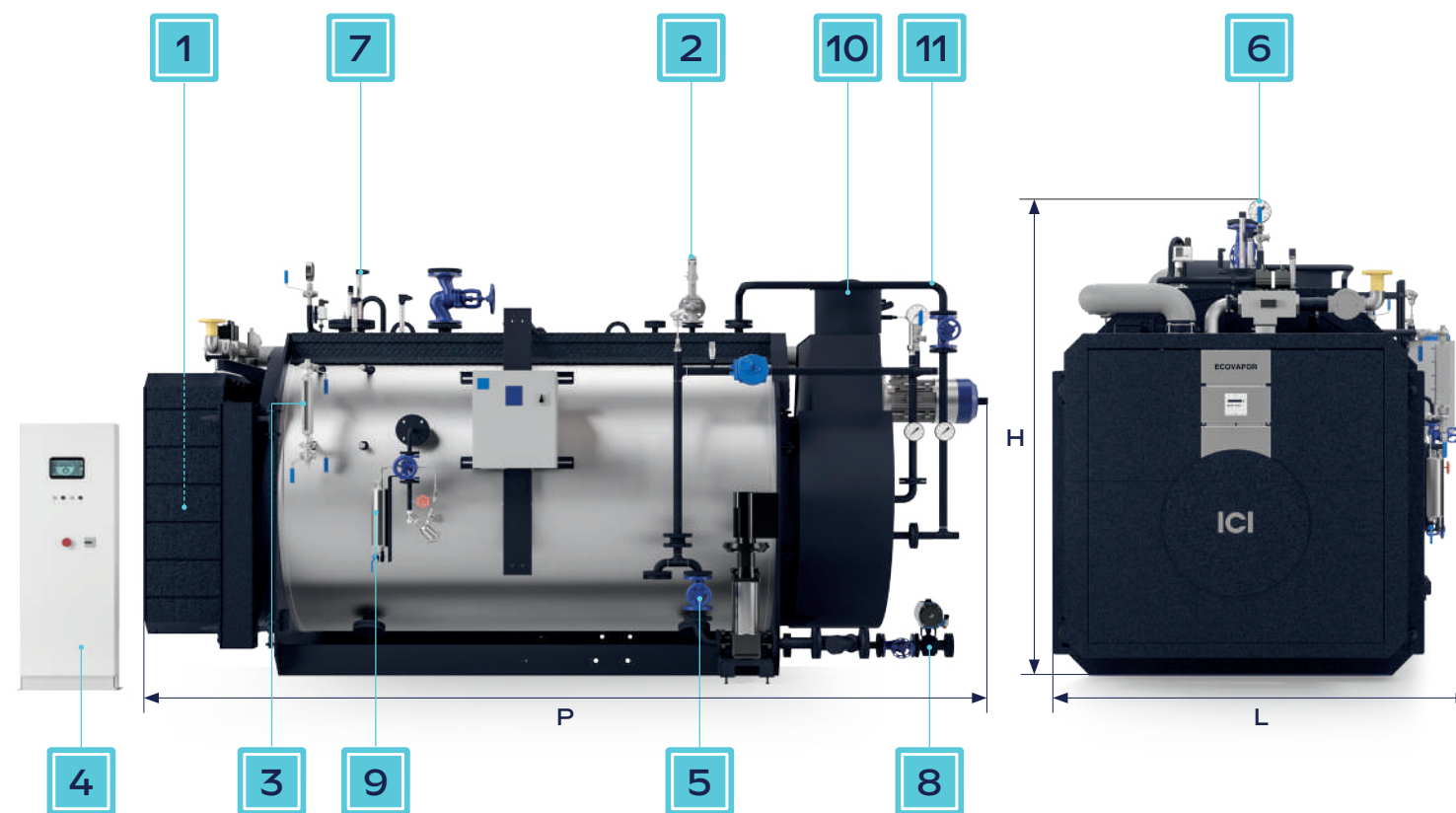


Ecovapor
High efficiency
steam generation system

ICI
POWERING EVOLUTION



Thanks to the most advanced technologies on combustion, heat transfer and energy efficiency, ECOVAPOR ensures a very convenient cost of ownership combined to a very low environmental impact.



Standard accessories

- | | |
|--|-----------------------------------|
| 1. Integrated burner | 7. Level regulation probes |
| 2. Safety valves | 8. Automatic bottom purge |
| 3. Level indicator | 9. TDS salinity control |
| 4. Electrical panel for 72 h exemption | 10. First stage economiser |
| 5. Water supply pumps | 11. Modulating power supply group |
| 6. Pressure switch and manometer group | |

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
- **H₂ Ready:** Compatibility with hydrogen operation with mixtures up to 100%
- **Certifications**



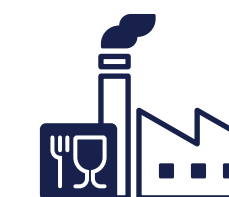
MAIN APPLICATIONS



Industry



Hospital



Food&Beverage



Oil&Gas

TECHNICAL DATA

Ecovapor	Steam production (ref. H ₂ O 80 °C)	Design pressure	100% Productivity (ref. P.C.I.)	Emissions*	Heat output	Thermal capacity
	kg/h	bar	%	NOx (mg/Nm ³)	kW	kW
1000	1000	12	98	< 70	681	715
1300	1300	12	98	< 70	886	930
1700	1700	12	98	< 70	1158	1216
2000	2000	12	98	< 70	1363	1431
2500	2500	12	98	< 70	1703	1789
3000	3000	12	98	< 70	2044	2146

*on request < 30 mg/Nm³

DIMENSION

Ecovapor	H	L	P	Empty weight	Total volume
	mm	mm	mm	kg	l
1000	2210	1990	3715	3460	2150
1300	2210	1990	3715	3460	2150
1700	2345	2105	4375	5250	2840
2000	2345	2105	4375	5250	2840
2500	2525	2270	4900	6220	3970
3000	2525	2270	4900	6220	3970

*ICI Caldaie S.p.a. reserves the right to make changes to the technical/dimensional information of the products in order to continue to improve their quality.

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

