

**H<sub>2</sub>**  
Ready

Steam production **1000 ÷ 3000 Kg/h**

Design pressure **12 bar**



# Ecovapor

High efficiency  
steam generation system

# ICI

POWERING EVOLUTION

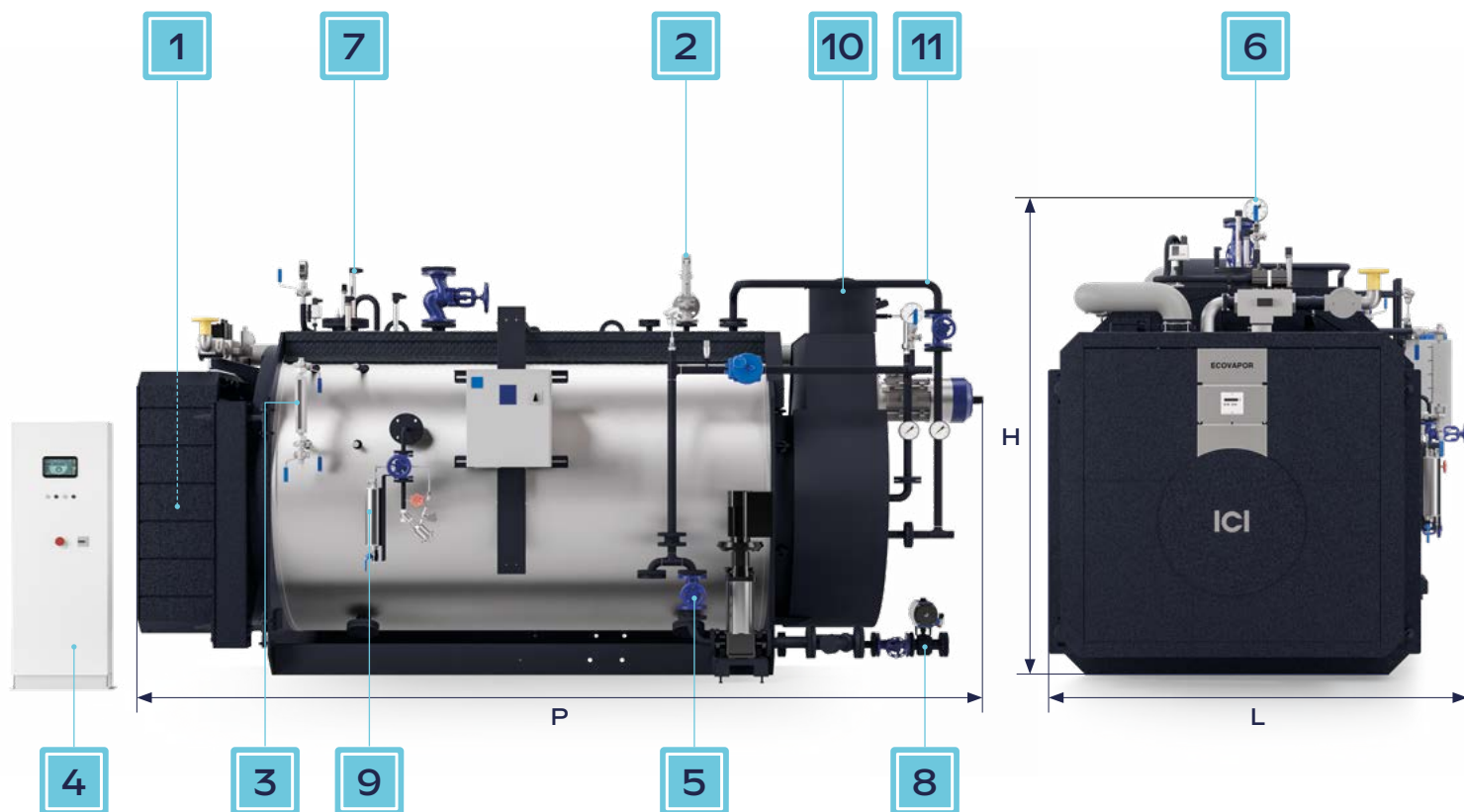


Thanks to the most advanced technologies on combustion, heat transfer and energy efficiency, ECOVAPOR ensures a very convenient cost of ownership combined to a very low environmental impact.

## TECHNICAL DATA

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

\*on request < 30 mg/Nm<sup>3</sup>



## Standard accessories

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

## DIMENSION

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

## ADVANTAGES

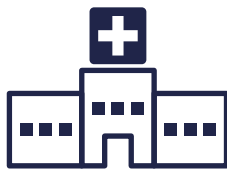
- **Control and regulation:**  
connection and regulation of the entire system via a PLC entirely developed by ICI.
- **Interconnection with the heating plant:**  
remotization of all operating data via communication protocols. Creation of a synoptic on a dedicated web page for remote telemanagement.
- **Traditional fuels:**  
Methane - LPG - Naphtha - Diesel
- **Clean fuels:**  
Biogas - Biomethane - Biodiesel - Syngas
- **H<sub>2</sub> 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



**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



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