

COMPONENTS COMPATIBLE



ECO-G
Vertical economiser



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

ICI
POWERING EVOLUTION

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EP
ENERGY
PARTNERS[®]
THERMAL

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Steam production **1700 ÷ 25000 Kg/h**
Design pressure **12 ÷ 30 bar**

H₂
Ready

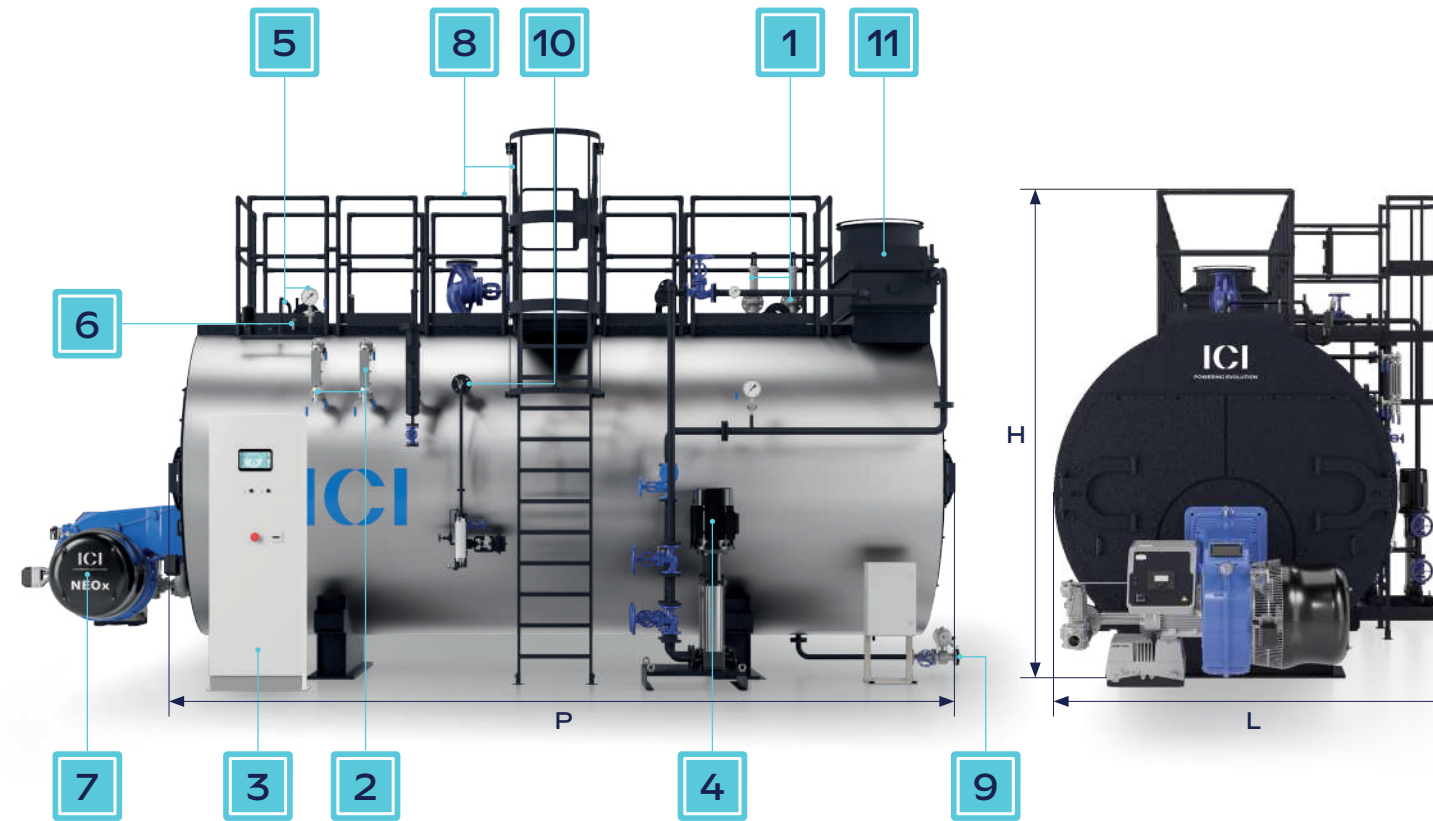


GX

High efficiency
steam generation system

ICI

POWERING EVOLUTION



The GX range features outstanding monobloc steam generators, designed to give maximum reliability and durability. All models have a corrugated furnace and are sized to achieve reduced thermal loads and enable optimal operation, even under harsh working conditions. A complete range that can satisfy a wide variety of applications, also available with superheating (GX S) and waste heat recovery sections (GX C).

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

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



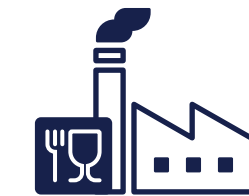
MAIN APPLICATIONS



Industry



Hospital



Food & Beverage



Oil & Gas

TECHNICAL DATA

GX	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	1700	12-15-18-22	up to 98	< 80	1163	1292
1200	2050	12-15-18-22	up to 98	< 80	1395	1550
1500	2560	12-15-18-22	up to 98	< 80	1744	1937
1750	3000	12-15-18-22	up to 98	< 80	2035	2261
2000	3410	12-15-18-22	up to 98	< 80	2326	2584
2500	4260	12-15-18-22	up to 98	< 80	2907	3230
3000	5100	12-15-18-22	up to 98	< 80	3488	3875
3500	6000	12-15-18-22	up to 98	< 80	4070	4522
4000	6800	12-15-18-22	up to 98	< 80	4651	5167
5000	8520	12-15-18-22	up to 98	< 80	5814	6460
6000	10240	12-15-18-22	up to 98	< 80	6977	7752
7000	12000	12-15-18-22	up to 98	< 80	8140	9044
8000	13600	12-15-18-22	up to 98	< 80	9302	10335
9000	15300	12-15-18-22	up to 98	< 80	10465	11627
10000	17000	12-15-18-22	up to 98	< 80	11628	12920
12000	20000	12-15-18-22	up to 98	< 80	13953	15503
13000	22170	12-15-18-22	up to 98	< 80	15116	16795
15000	25000	12-15-18-22	up to 98	< 80	17441	19401

*on request up to 30 bar **on request < 30 mg/Nm³

DIMENSION

GX	H	L	P	Empty weight	Total volume
	mm	mm	mm	kg	l
1000	3200	2450	4100	6800	5940
1200	3200	2450	4100	7550	5840
1500	3300	2550	4100	8950	6960
1750	3350	2650	4100	10050	6860
2000	3350	2650	4600	10950	8435
2500	3500	2760	4900	12050	9610
3000	3600	2900	5100	13650	9865
3500	3600	2900	5600	15050	11940
4000	3780	3000	5700	16600	12670
5000	3954	3260	5700	19200	13750
6000	4110	3390	6300	21700	16530
7000	4250	3460	6750	24700	20030
8000	4400	3620	7250	28800	24700
9000	4550	3750	7650	30800	28140
10000	4550	3750	8050	37600	32000
12000	4650	4000	8700	39200	37500
13000	4870	4500	9030	41300	39000
15000	4870	4500	9300	47000	39000

*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

