

H₂
Ready

Nominal power **3000 ÷ 17000 kW**

Design pressure **12 ÷ 25 bar**



ASGX - ASGX EN

Superheated water generation system

ICI

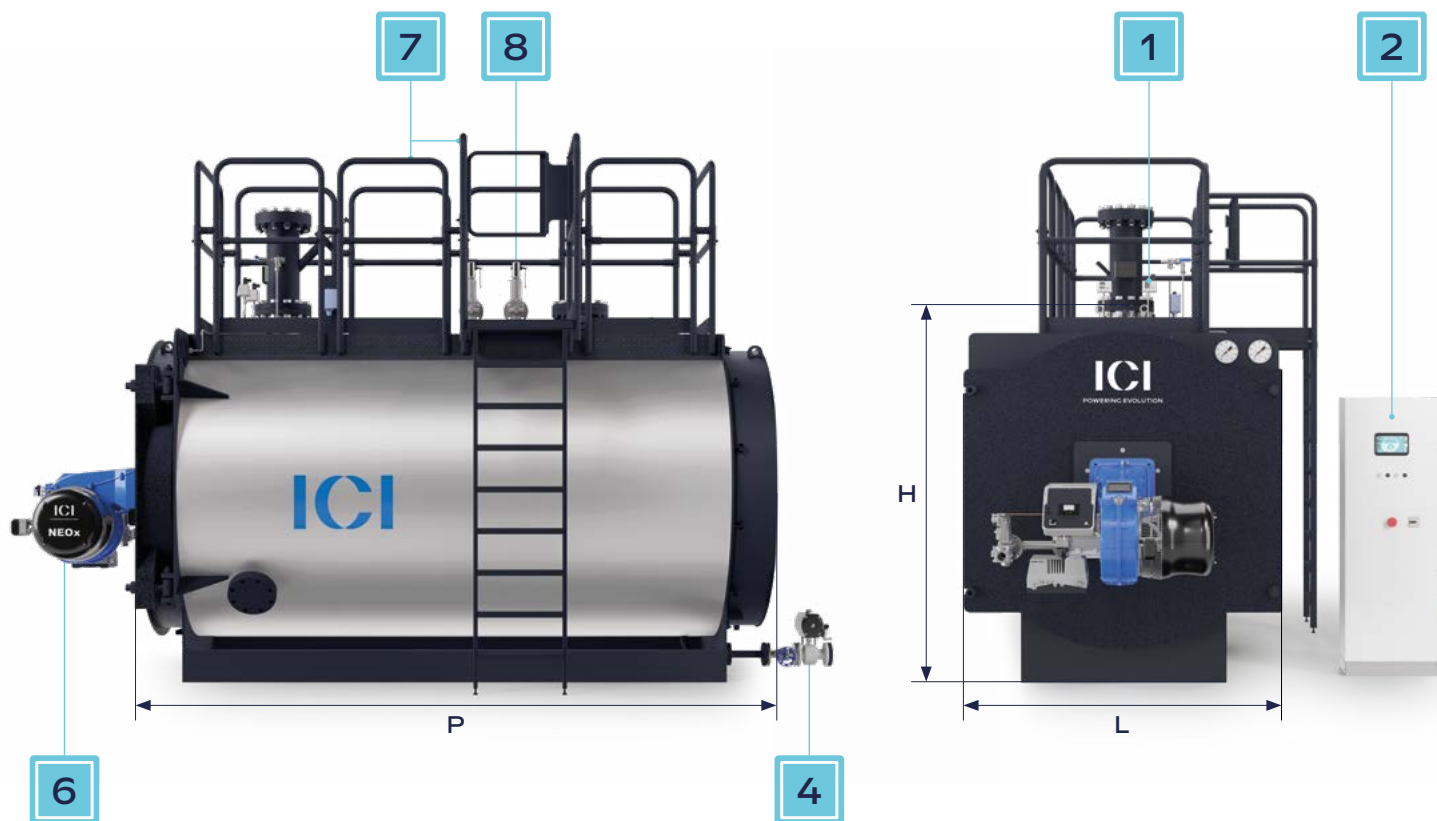
POWERING EVOLUTION



The ASGX range provides super-heated water boilers with three flue gas passes and completely wet furnace back. Manufactured from steel, quality tested according to the prevailing standards and welded with automatic submerged arc welding processes. Suitable for liquid and gaseous fuels. Complete with regulation and safety accessories for automatic operation. Intended for heating or technological systems with operating temperature above 110°C.

TECHNICAL DATA

ASGX - ASGX EN	Nominal power	Design pressure	100% Productivity (ref. P.C.I.)	Emissions
	kW	bar	%	NOx (mg/Nm³)
3000	3000	12 ÷ 25	fino a 98	< 80
3500	3500	12 ÷ 25	fino a 98	< 80
4000	4000	12 ÷ 25	fino a 98	< 80
5000	5000	12 ÷ 25	fino a 98	< 80
6000	6000	12 ÷ 25	fino a 98	< 80
7000	7000	12 ÷ 25	fino a 98	< 80
8000	8000	12 ÷ 25	fino a 98	< 80
9000	9000	12 ÷ 25	fino a 98	< 80
10000	10000	12 ÷ 25	fino a 98	< 80
11000	11000	12 ÷ 25	fino a 98	< 80
12000	12000	12 ÷ 25	fino a 98	< 80
13000	13000	12 ÷ 25	fino a 98	< 80
14000	14000	12 ÷ 25	fino a 98	< 80
15000	15000	12 ÷ 25	fino a 98	< 80
16000	16000	12 ÷ 25	fino a 98	< 80
17000	17000	12 ÷ 25	fino a 98	< 80



Standard accessories

1. Pressure switch and manometer group
2. Electrical panel 72 h
3. Safety valves
4. Automatic bottom purge

Optional accessories

5. First and second stage economisers
6. Burner
7. Ladder and handrail

DIMENSION

ASGX - ASGX EN	H	L	P	Empty weight	Total volume
	mm	mm	mm	kg	l
3000	2460	1960	3879	7000	4520
3500	2460	1960	4379	7800	5300
4000	2700	2170	4379	9000	6650
5000	2700	2170	5373	11000	8600
6000	2820	2320	5389	13000	9150
7000	2820	2320	5889	14500	10200
8000	3050	2490	7035	15400	14950
9000	3050	2490	7535	16300	16200
10000	3400	2490	7735	24940	20200
11000	3400	2490	7735	24940	20200
12000	3400	2490	8235	25400	21800
13000	3400	2490	8235	25400	21800
14000	3500	3065	8183	28050	23800
15000	3960	3450	8820	37500	33000
16000	3960	3450	8820	37500	33000
17000	3960	3450	9320	45000	35100

ADVANTAGES

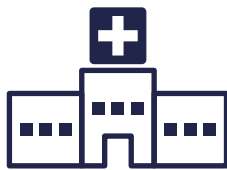
- **Control and regulation:**
connection and regulation of the entire system via a PLC entirely developed by ICI.
- **Interconnection with the heating plant:**
remotization of all operating data via communication protocols. Creation of a synoptic on a dedicated web page for remote telemanagement.
- **Traditional 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

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
Vertical economiser



ECXV KOND
Stainless steel vertical
condensing economiser



**RETURN T° CONTROL
SYSTEM**
System for maintaining the
temperature difference Δ°
between supply and return



**CASCADE MASTER/SLAVE
FRAMEWORK**
Eterm framework for cascade
management



GSS 72 H₂O
Steam safety system for
exemption from operation for
up to a maximum of 72 hours



SERVICE LEVEL AGREEMENT
19 managed services, 3 levels of
offering



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