

H₂
Ready

Nominal power **2500 ÷ 6000 kW**

Design pressure **6 bar**



TNX

Three-pass boiler

ICI

POWERING EVOLUTION



The TNX range includes boilers with three flue gas passes, wet back and automatic operation, suitable for the operation on liquid or gaseous fuels. Designed for large heating systems with power requirements between 3000 and 20000 kW and operating temperature between 60 and 100°C., The boilers are designed for a maximum safety temperature of 110°C.

TECHNICAL DATA

TNX	Heat output	Design pressure	100% Productivity (ref. P.C.I.)
	kW	bar	%
3000	3000	6	92
3500	3500	6	92
4000	4000	6	92
5000	5000	6	92
6000	6000	6	92
7000	7000	6	92



Standard accessories

1. Electrical panel

Optional accessories

2. First and second stage economisers
3. Burner
4. Ladder and handrail

DIMENSION

TNX	H	L	P	Empty weight	Total volume
	mm	mm	mm	kg	l
3000	2460	2200	3879	6300	4496
3500	2460	2200	4379	6950	5746
4000	2700	2410	4379	8200	6441
5000	2700	2410	4879	8970	7335
6000	2820	2560	5389	11280	9088
7000	2820	2560	5889	12160	10066

ADVANTAGES

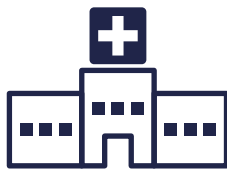
- **Control and regulation:**
connection and regulation of the entire system via a PLC entirely developed by ICI.
- **Interconnection with the heating plant:**
remotization of all operating data via communication protocols. Creation of a synoptic on a dedicated web page for remote telemanagement.
- **Traditional fuels:**
Methane - LPG - Naphtha - Diesel
- **Clean fuels:**
Biogas - Biomethane - Biodiesel - Syngas
- **H₂ Ready:**
Compatibility with hydrogen operation with mixtures up to 100%
- **Certifications**



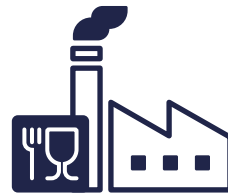
MAIN APPLICATIONS



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



ELECTRIC PANEL WITH PLC
System and cascade management
panel with Eterm PLC



SERVICE LEVEL AGREEMENT
11 managed services, 4 levels of
offering



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