

**H2**  
Ready

Nominal power **2500 ÷ 6000 kW**

Design pressure **6 bar**



# **TNOX - TNOX.e**

**Three-pass boiler**

**ICI**  
POWERING EVOLUTION



The TNOX range includes three pass, wet back boilers with low thermal load in the combustion chamber (between 1 and 1.2 MW/m<sup>3</sup>). The boilers with automatic operation are suitable for operation on liquid or gaseous fuels and designed for large heating systems with an operating temperature between 60 and 100°C., Designed for 110°C maximum temperature.

## TECHNICAL DATA

TNOX - TNOX.e	Heat output	Design pressure	100% Productivity (ref. P.C.I.)
	kW	bar	%
<b>2500</b>	2500	6	93
<b>3000</b>	3000	6	93
<b>3500</b>	3500	6	93
<b>4000</b>	4000	6	93
<b>5000</b>	5000	6	93
<b>6000</b>	6000	6	93



## Standard accessories

1. Electrical panel

## Optional accessories

2. Burner

## DIMENSION

TNOX - TNOX.e	H	L	P	Empty weight	Total volume	
					TNOX	TNOX.e
2500	2460	2200	3879	6300	4496	4496
3000	2460	2200	4379	6950	5000	5746
3500	2700	2410	4379	8200	6441	6441
4000	2700	2410	4879	8970	7335	7335
5000	2820	2560	5389	11280	9088	9088
6000	2820	2560	5389	12160	10066	12160

\*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.

# ADVANTAGES

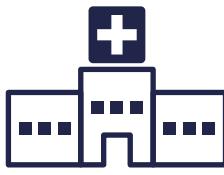
- **Control and regulation:** connection and regulation of the entire system via a PLC entirely developed by ICI.
- **Interconnection with the heating plant:** remotization of all operating data via communication protocols. Creation of a synoptic on a dedicated web page for remote telemanagement.
- **Traditional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



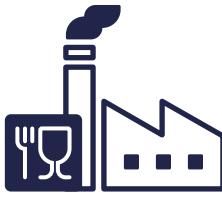
# MAIN APPLICATIONS



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

Vertical economiser



## ECXV KOND

Stainless steel vertical condensing economiser



## RETURN T° CONTROL SYSTEM

System for maintaining the temperature difference  $\Delta^\circ$  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

19 managed services, 3 levels of offering



ICI CALDAIE S.p.A.

Via G. Pascoli, 38  
37059 Campagnola di Zevio  
(Verona) - Italia

[icicaldaie.com](http://icicaldaie.com)

T. +39 045 8738511  
P.IVA e C.F. 00227490232