

GAS AND ELECTRIC WATER HEATERS

GAS SEALED CHAMBER WATER HEATERS

TGFN LX



Gas Sealed Chamber Water Heaters

TGFN LX

Capacity: 220 to 800 litres

Hot water production: 300 ÷ 740 lt/h

Warm-up time: 19' ÷ 84'



PRICES

ACCESSORIES
PRICES

The new range of sealed chamber and forced draught water heaters in the **TGFN LX** series are manufactured in accordance with the new Low NOx **812-814/2013** standard and are designed for natural gas operation. For LPG operation add the LPG kit code.

The appliances are equipped with an electric gas valve and **electronic** flame ionisation **ignition**, and do not require a chimney as the entire path of gases and combustion fumes is totally isolated from the environment in which it is located. This process prevents any gas residues (especially in the case of liquefied gases) from giving rise to potentially dangerous situations.

The control of the various functions is managed by an **electronic control unit**.

A differential pressure switch ensures an immediate stop of the gas flow and shutdown in the event of a malfunction of the flue gas extraction fan or any other discharge anomaly. Ignition is programmable by means of a weekly **clock programmer** that can be connected to a control panel.

The units are equipped with a double safety thermostat in case of over-temperature, and a suitably sized and inspectable magnesium anode. The control of the anode's efficiency is ensured by the presence of **an Anode Tester** that allows real-time verification. The presence of the front inspection flange ensures easy cleaning of the interior and rapid replacement of the magnesium anode.

The rigid polyurethane insulation ensures low dispersion and economy of operation. Available capacities range from **220 to 800 litres**, and powers from **22 to 23 kW**.

Exhaust fumes are discharged through the use of kits, specially prepared and tested for the appliance, available in horizontal or vertical coaxial versions or with single split pipes. Various types of elbows and extensions are also available to adapt the kits to any installation requirements. Glass-lined tank at 860°C.



Codes/Prices

Cap. L	Code	Price	Energy class	Dimensions with vertical packaging		
				H mm	L mm	P mm
220	161TGFN200	4.285,00 €	B	1670	780	780
300	161TGFN300	4.837,00 €	B	2020	780	780
400	161TGFN400	5.444,00 €	B	2370	780	780
600	161TGFN600	6.648,00 €	B	2060	980	980
800	161TGFN800	7.975,00 €	B	2370	980	980

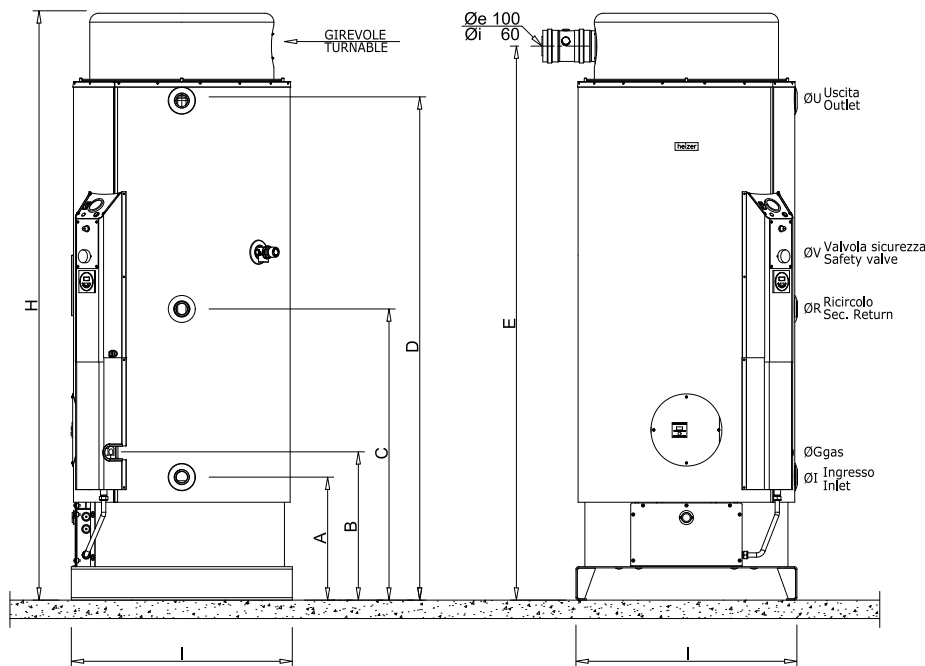
For LPG operation add conversion kit

Codes/Prices Accessories

Description	Code	Price
Horizontal flue exhaust kit Ø 60/100 L 0.75 m	161KITKSON	139,00 €
Split flue gas exhaust kit Ø 80/80 L 1.0 m	161KITKSDN	203,00 €
Vertical flue exhaust kit Ø 60/100 L 1.2 m	161KITKSVN	267,00 €
LPG Gas Kit G31 TGFN-2 LX	161Z001017	69,00 €
LPG Gas Kit G31 TGFN-3 LX	161Z001018	69,00 €
LPG Gas Kit G31 TGFN-4 LX	161Z001019	69,00 €
LPG Gas Kit G31 TGFN-6 LX	161Z001020	69,00 €
LPG gas kit G31 TGFN-8 LX	161Z001021	69,00 €

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In the TGFN LX series, the Programmer Clock and Anode Tester are supplied as standard.

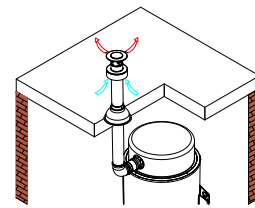
Technical Specifications

Model		TGFN-2 LX	TGFN-3 LX	TGFN-4 LX	TGFN-6 LX	TGFN-8 LX
Capacity	lt	220	300	400	560	740
Net weight	kg	175	208	245	248	303
Gross weight	kg	192	228	268	270	328
Gas connection	ø	1/2"	1/2"	1/2"	1/2"	1/2"
Voltage	V	220/240	220/240	220/240	220/240	220/240
Noise	dB(A)	51	51	51	51	51
Max. operating pressure	bar	6	6	6	6	6
Gas consumption						
- methane	m ³ /h	2,3	2,4	2,4	2,4	2,4
- LPG	kg/h	1,7	1,8	1,8	1,8	1,8
NOx emissions	mg/kWh	50	50	30	24	28
Energy class		B	B	B	B	B
Load profile		XXL	XXL	XXL	XXL	XXL
Yield		91%	91%	94%	92%	93%
Heat flow rate	kW	22	23	23	23	23
Treatment Glass-porcellanising at 870°C						
Warm-up time Δt=50°C/Δt=25°C	min	38' / 19'	51' / 5'	65' / 2'	96' / 8'	121' / 60'
Continuous production Δt=50°C/Δt=25°C	L/h	264 / 528	360 / 720	480 / 960	702 / 1404	888 / 1776
Continuous production Δt=50°C	L/h	340	360	370	360	370

Dimensions

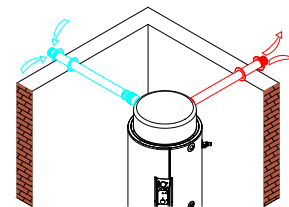
Model	Cap. L	A	B	C	D	E	I	H	ØU-ØI	ØV-ØG	ØR-ØS
TGFN-2 LX	220	405	475	960	1285	1445	720	1560	1"1/4	1/2"	1"
TGFN-3 LX	300	405	475	960	1640	1795	720	1912	1"1/4	1/2"	1"
TGFN-4 LX	395	403	475	1135	1985	2145	720	2275	1"1/4	1/2"	1"
TGFN-6 LX	585	410	475	950	1655	1830	920	1950	1"1/4	1/2"	1"
TGFN-8 LX	800	410	475	950	2.030	2.195	920	2.310	1"1/4	1/2"	1"

Application examples smoke exhaust



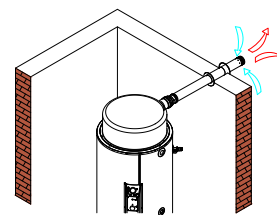
Vertical Discharge

Length
max
1 m



Split exhaust

Length
max
6 m
TOTALS



Horizontal Discharge

Length
max
3 m

Wenkel S.r.l

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