

## Multifunctional, tank in tank with coil

**Mod. GX-300/400-P.I**  
(front view)

**Mod. GX-600-P.I**  
(side view)

**Mod. GX-800 / 1000-P.I**  
(side view)

**Description:**  
Multifunctional double-wall tanks with heating coil for combined installation, using different heating energy sources, with capacities of 300, 400, 600, 800 and 1000 litres.  
The external tank, made of carbon steel, acts as an inertia tank in the primary circuit. This tank includes a heating coil with a great heat exchange capacity to harness solar energy and side connections provided for the combination with a heat pump, a boiler or/and central heating connection. It also includes a 2" connection for an electric immersion heater. The internal DHW tank is made in AISI-316 stainless steel, chemically descaled and passivated after assembly for the continuous production of DHW. The unit is thermally insulated with CFC-free, mould-injected rigid polyurethane foam. The special design of the 800 and 1000 litre models allows the thermal insulation on the sides to be removed, allowing the tank to pass through places with limited access (800 mm.) The tanks include a control panel (Control panel type LP GX/UK) with thermometer and regulation and safety thermostat (more details in pages 41 and 42). The sensor probe for DHW is located in the top inspection port, with enough length to fit 2x extra sensors if required. The tank is designed for vertical installation on the floor.

**Supply:**  
The tank is supplied totally finished, tested and with all of its components mounted. The external finish is with padded lining in RAL 9016 white and covers in RAL 7021 anthracite grey. The unit is packed in a reinforced cardboard box and strapped on a non-return wooden pallet.

The minimum and maximum length the 1/2 (tm) pockets/sleeves must be.

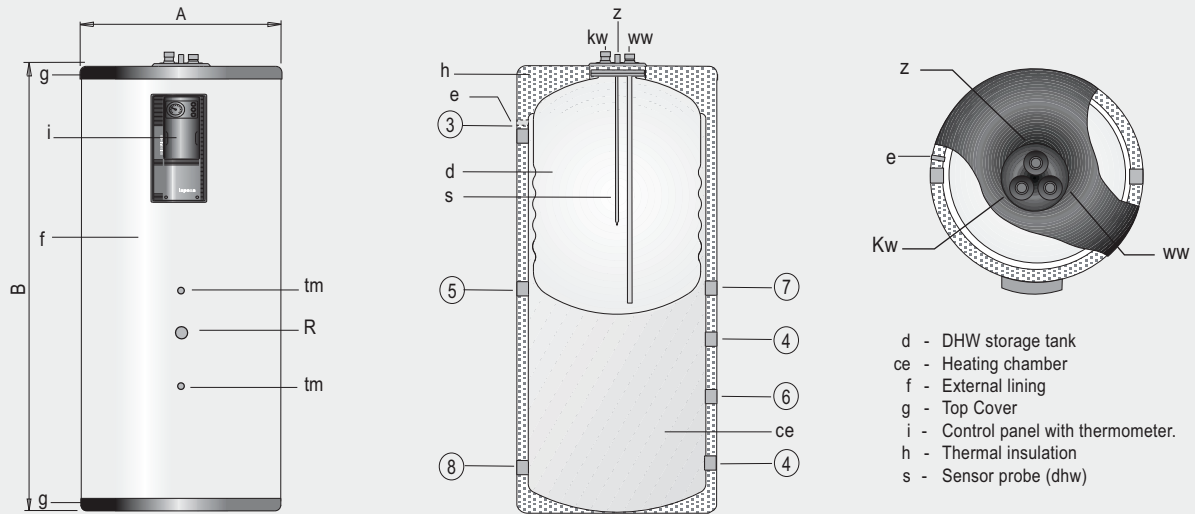
	length of probes (mm) (including thread)			
	minimum length tm	tm*	maximum length tm	tm*
<b>GX-300-P.I</b>	55	55	115	65
<b>GX-400-P.I</b>	40	40	115	55
<b>GX-600-P.I</b>	40	40	115	55
<b>GX-800-P.I</b>	80	80	155	220
<b>GX-1000-P.I</b>	80	80	155	220

tm\*: Sensor probe for manometer (if not required, to be sealed)

Technical characteristics / Connections / Dimensions		GX-300-P.I	GX-400-P.I	GX-600-P.I	GX-800-P.I	GX-1000-P.I
Total capacity	litres	245	350	605	770	970
DHW capacity	litres	116	145	215	200	250
Capacity of surrounding tank	litres	128	205	390	570	720
Maximum temperature of DHW tank	°C	90	90	90	90	90
Maximum pressure of DHW tank	MPa (bar)	0.8(8)	0.8(8)	0.8(8)	0.8(8)	0.8(8)
Maximum working pressure of DHW	MPa (bar)	0.55(5.5)	0.55(5.5)	0.55(5.5)	0.55(5.5)	0.55(5.5)
Maximum temperature of surrounding tank	°C	110	110	110	110	110
Maximum pressure of surrounding tank	MPa (bar)	0.3(3)	0.3(3)	0.3 (3)	0.3 (3)	0.3 (3)
Maximum pressure of primary circuit coil	MPa (bar)	2.5(25)	2.5(25)	2.5 (25)	2.5 (25)	2.5 (25)
Heat exchange surface of surrounding tank	m <sup>2</sup>	1.12	1.8	1.8	1.9	2.3
Heat exchange of primary circuit coil	m <sup>2</sup>	1.7	1.8	2.4	2.7	2.7
Primary circuit coil fluid flow	litres/h	6000	6000	6000	6000	6000
Surrounding tank absorbed power	KW	18	20	25	26	38
Surrounding tank fluid flow	litres/h	5000	5000	6000	6000	6000
Secondary circuit absorbed power	KW	38	40	50	60	70
Temperature loss	°C/h	0.29	0.25	0.19	0.17	0.15
Empty weight (approx.)	Kg	105	115	185	245	290
Full weight (approx.)	Kg	355	465	790	1015	1260
kw: Cold water inlet	"GAS/M	3/4	3/4	1	1	1
ww: DHW outlet / T&P relief valve connection	"GAS/M	3/4	3/4	1	1	1
z: Recirculation	"GAS/M	3/4	3/4	1	1	1
R: Electrical heater connection	"GAS/F	2	2	2	2	2
3 / 4 : Post heating flow /return connection	"GAS/F	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4
1 / 2 : Coil flow / return connection	"GAS/F	1	1	1	1	1
5 / 6 : ASH pump flow / return	"GAS/F	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4
7 / 8 : Heating flow / return connection	"GAS/F	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4
tm: Sensor probe connection (in primary water)	"GAS/F (number)	1/2 (3)	1/2 (3)	1/2 (3)	1/2 (3)	1/2 (3)
e: Air vent	"GAS/F	1/8	1/8	1/8	1/2	1/2
P&T relief valve size	"GAS/M	3/4	3/4	3/4	3/4	3/4
Dimension A: External diameter	mm	560	620	770	950	950
Dimension B: Total length	mm	1770	1725	1730	1840	2250

NOTE: If a gas or oil boiler is connected, they must be controlled through a 2 Port Spring Return Motorised Valve .

## Multifunctional, tank in tank without coil



**Mod.**  
**GX-300/400/600-PAC-I**  
(front view)

### Description:

Double-wall tanks for the production of domestic hot water, using different heating energy sources in combined installation, with capacities of 300, 400 and 600 litres

The external tank, made of carbon steel, acts as an inertia tank in the primary circuit. Side connections provided for the combination of a heat pump, a boiler and/or central heating connection. It also includes a 2" connection for an electric immersion heater.

The internal DHW tank is made in AISI-316 stainless steel, chemically descaled and passivated after assembly.

Thermally insulated with CFC-free, mould-injected, 45Kg/m<sup>3</sup> density rigid polyurethane foam.

The tanks include a control panel type LP GX/UK, with thermometer and regulation and safety thermostat (more details in pages 41 and 42). The sensor probe for DHW is located in the top inspection port, with enough length to fit 2x extra sensors if required.

Tank designed for vertical installation on the floor.

### Supply:

The tank is supplied totally finished, tested and with all of its components mounted.

The external finish is with padded lining in RAL 9016 white and covers in RAL 7021 anthracite grey.

The unit is packed in a reinforced cardboard box and strapped on a non-return wooden pallet.

Technical characteristics / Connections / Dimensions		GX-300-PAC-I	GX-400-PAC-I	GX-600-PAC-I
Total capacity	litres	245	350	575
DHW capacity	litres	116	145	277
Surrounding tank capacity	litres	128	205	298
Maximum temperature of DHW tank	°C	90	90	90
Maximum pressure of DHW tank	MPa (bar)	0.8 (8)	0.8 (8)	0.8 (8)
Maximum working pressure of DHW	MPa (bar)	0.55 (5.5)	0.55 (5.5)	0.55 (5.5)
Maximum temperature of surrounding tank	°C	110	110	110
Maximum pressure of surrounding tank	MPa (bar)	0.3 (3)	0.3 (3)	0.3 (3)
Heat exchange surface in heating circuit	m <sup>2</sup>	1.29	1.46	2.16
Primary fluid flow	litres/h	5000	6000	6000
Absorbed power	KW	38	50	55
Temperature loss	°C/h	0.29	0.25	0.19
Empty weight (approx.)	Kg	80	85	125
Full weight (approx.)	Kg	325	435	700
kw: cold water inlet	"GAS/M	3/4	3/4	1
ww: DHW outlet / T&P relief valve connection	"GAS/M	3/4	3/4	1
z: Recirculation	"GAS/M	3/4	3/4	1
3 / 4 : Heating circuit input / return	"GAS/F	1-1/4	1-1/4	1-1/4
5 / 6 : ASH pump input / return	"GAS/F	1-1/4	1-1/4	1-1/4
7 / 8 : Radiant floor input / return	"GAS/F	1-1/4	1-1/4	1-1/4
R: Electrical heater connection	"GAS/F	2	2	2
tm: Sensor probe connection (in primary water)	"GAS/F	1/2	1/2	1/2
e: Air vent	"GAS/F	1/8	1/8	1/8
T&P relief valve size	"GAS/M	3/4	3/4	3/4
Dimension A: External diameter	mm	560	620	770
Dimension B: Total length	mm	1770	1725	1730

NOTE: If a gas or oil boiler is connected, they must be controlled through a 2 Port Spring Return Motorised Valve.