

# DHW PRODUCTION AND STORAGE TANKS

## MULTIFUNCTIONAL GX-PIGX-PAC TANK IN TANK



STAINLESS STEEL

Technical characteristics		
Max. temperature DHW	°C	90
Max. temperature surrounding tank	°C	110
Max. pressure DHW tank	bar	8
Max. pressure surrounding tank	bar	3
Max. pressure coil circuit	bar	25

**SPECIFICALLY DESIGNED TO WORK WITH HEAT PUMP, SOLAR AND MULTIPLE HEATING OPTIONS**

**GX-PAC.I** tank is SPECIFICALLY designed for installation with HEAT PUMPS.

**FOR MULTIPLE SOURCES AND USAGE**

**GX-PI** models incorporate a coil in the surrounding chamber, are designed for installations with solar panels and heat pumps.

**AISI 316L STAINLESS STEEL**

**DHW** tank made in austenitic stainless steel AISI 316 L, which provides twice the protection for chloride concentration than AISI 304 L.

The steel surrounding chamber is used for the continuous production of DHW and storage of hot water as a backup for the heating system network and radiant floor heating.

**HIGH PERFORMANCE INSULATION GUARANTEED** Rigid polyurethane foam CFC free 0.025 w/m °k (for example a GX600P.I losses 0.18°c/h).

**PASS THROUGH 800mm WIDE DOORS**

The 800 and 1000 litre models pass through 800 mm doors wide thanks to the part/removable thermal insulation.



**P:** model designed to work with multiple RENEWABLE ENERGIES  
**PAC:** model specifically designed to work with HEAT PUMPS



**RENEWABLE ENERGIES**



### DOUBLE WALL "MULTIFUNCTIONAL" TANK GX-P (WITH COIL)

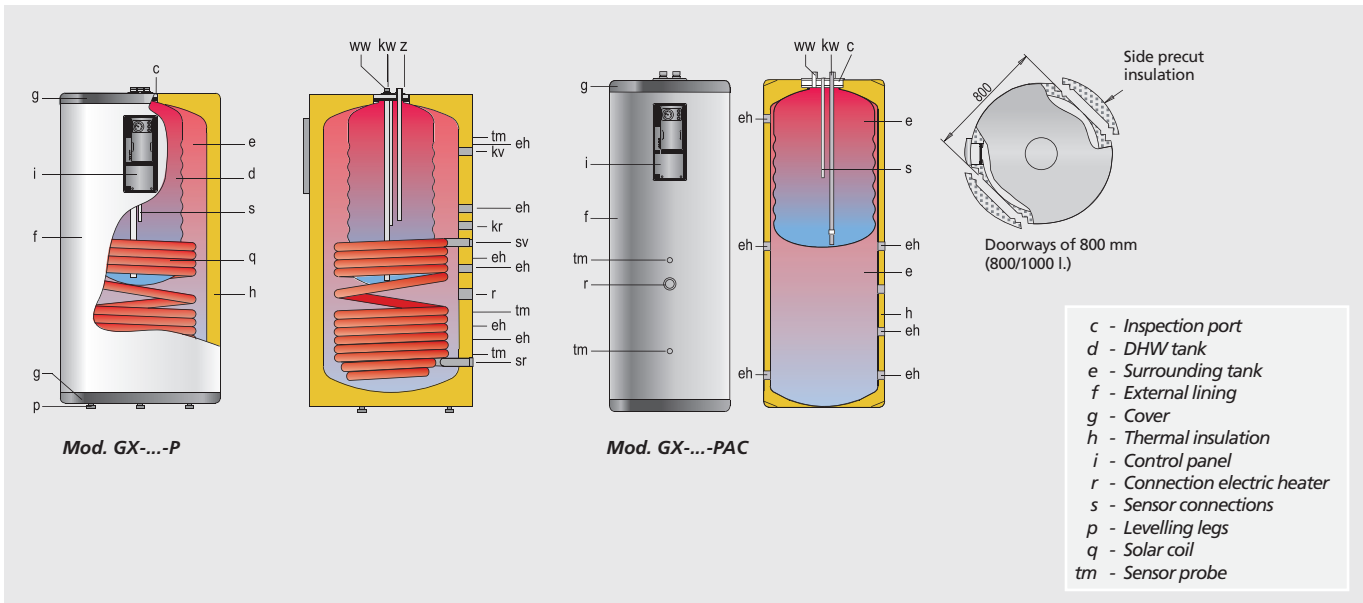
- Multifunctional tanks of 300, 400, 600, 800, and 1000 litres, specially designed for one or several installations combining different energy sources at the same time.
- The external or inertia tank (primary circuit), made in coiling Steel St 37.2, includes a heat exchanger also in Coiling Steel St 37.2 and an internal tank made of AISI316 L austenitic stainless steel for the continuous production of DHW.
- The unit is insulated with high performance rigid, mould-injected, CFC-free polyurethane foam with removable sides to allow the 800 litres and 1000 litres models to fit through 800 mm wide doors.
- It is finished with a removable external lining in RAL 9016 white, a top cover and a control panel with thermometer in RAL 7021 grey.
- Complete with Control Panel and regulation and Safety Thermostat in option.
- For Vertical installation floor standing.

### DOUBLE WALL "MULTIFUNCTIONAL" TANK FOR HEAT PUMP GX-PAC (WITHOUT COIL)

- The PAC models are specially designed for use with heat pumps and/or for combining several energy sources at the same time. GX300PAC has a 116 litre DHW tank and a 128 litres primary chamber. GX400PAC has a 145 litre DHW tank and a 200 litres primary chamber. GX600PAC has a 277 litres DHW tank and a 298 litres surrounding primary chamber.
- The external or inertia tank (primary circuit), made in coiling Steel St 37.2, includes a tank made of AISI 316 L austenitic stainless steel for the continuous production of DHW.
- The unit is insulated with high performance rigid, mould-injected, CFC-free polyurethane foam and it is finished off with a removable external lining in RAL 9016 white, a top cover and a control panel with thermometer in RAL 7021 grey.
- Complete with Control Panel and regulation and Safety Thermostat in option.
- For Vertical installation floor standing.

### Electric heating

Electric heaters compatible	Setting	kW/V	PHASE	GX-300 P	GX-400 P	GX-600 P	GX-800 P	GX-1000 P	GX-300 PAC	GX-400 PAC	GX-600 PAC
KRI 4/2-22	2" side connection	2,2 / 230-400	Mono/Tri	X	X	X	X	X	X	X	X
KRI 4/2-54	2" side connection	5,4 / 400	Tri	X	X	X	X	X	X	X	X
KRI 4/2-72	2" side connection	7,2 / 400	Tri		X	X	X	X		X	X
KRI 4/2-90	2" side connection	9 / 400	Tri		X	X	X	X		X	X
KRI 4/2-120	2" side connection	12 / 400	Tri			X	X	X			X



Characteristics / Connections / Dimensions		GX-300	GX-400	GX-600	GX-800	GX-1000	GX-2000	GX-300	GX-400	GX-600
		P	P	P	P	P	P	PAC	PAC	PAC
Total capacity	l.	244	339	600	800	1000	2000	254	350	575
DHW capacity	l.	116	145	215	200	250	400	116	145	277
Primary circuit tank capacity	l.	128	194	390	570	720	1570	138	205	298
Solar coil surface	m <sup>2</sup>	1,7	1,8	2,4	2,7	2,7	4,0	1,29	1,46	2,16
Heat loss rate	Wh/24h.l.K	0,16	0,14	0,11	0,10	0,09	0,06	0,16	0,14	0,11
Empty weight approx.	Kg.	105	115	150	230	265	480	80	85	125
kw: Cold water in	"GAS/M	3/4	3/4	1	1	1	1	3/4	3/4	3/4
ww: Hot water out	"GAS/M	3/4	3/4	1	1	1	1	3/4	3/4	3/4
z: DHW recirculation	"GAS/M	3/4	3/4	1	1	1	1	-	-	-
kv: Primary flow	"GAS/F	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1 1/4	1-1/4	1 1/4	1 1/4
kr: Primary return	"GAS/F	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1 1/4	1-1/4	1 1/4	1 1/4
sv: Solar flow	"GAS/F	1	1	1	1	1	1	-	-	-
sr: Solar return	"GAS/F	1	1	1	1	1	1	-	-	-
eh: Side connection	"GAS/F	2	2	1-1/4	1-1/4	1-1/4	1 1/4	1-1/4	1 1/4	1 1/4
sr: Electric immersion heater	"GAS/F	1/2	1/2	2	2	2	2	2	2	2
tm: Sensor connections	"GAS/F			1/2	1/2	1/2	1/2	1/2	1/2	1/2
Dimension A: Diametre	mm.	560	620	770	950*	950*	1360	560	620	770
Dimension B: Total height	mm.	1770	1725	1730	1840	2250	2280	1770	1724	1730
KW double wall –DHW production (1)	kW – l/h	-	-	12 - 300	11 - 280	15 - 340	-	-	10 - 240	11 - 265
W double wall –DHW production ECS (2)	kW – l/h	25 - 450	28 - 490	42 - 1000	47 - 1140	54 - 1330	-	25 - 450	42 - 1015	44 - 1070
Coil Kw – Production ECS (3) - DHW production	kW - l/h	3 - 225	15 - 255	22 - 510	23 - 530	46 - 1080	-	-	-	-

(1) Secondary temperature increase: 10-45°C / Primary flow: 3 m<sup>3</sup>/h / Incoming primary temperature: 55°C. See page 42.  
 (2) Secondary temperature increase: 10-45°C / Primary flow: 3 m<sup>3</sup>/h / Incoming primary temperature: 90°C  
 (3) Secondary temperature increase: 10-45°C / Primary flow: 3 m<sup>3</sup>/h / Incoming primary temperature: 90°C  
 \* 800 and 1000 litres pass through 800 mm wide doors thanks to its pre cutted detachable insulation.

Taking advantage from the benefits of the tank in tank system, a coil is added and multiple energy sources could be connected to the same tank. Then the primary circuit chamber as a buffer and could be connected to heating, radiant floor heating systems...

- 2 TANKS IN ONE
- ESPACE/ENERGY SAVING SYSTEM
- MULTIPLE SOURCES CONNECTED AT THE SAME TIME
- MINIMIZING HEAT LOSSES
- DESIGNED TO WORK WITH RENEWABLE ENERGIES
- MAINTENANCE FREE

