



### GEISER INOX - STAINLESS STEEL

#### Models with COIL, production and efficiency!

*Tanks with high-efficiency, internal heat exchange coils for high DWH production demands at peak flow. Their overdimensioned, rigid, mould-injected PU thermal insulation maintains DWH storage temperature for long periods without the need for any additional energy input, providing users with continued savings throughout the life of the storage tank.*

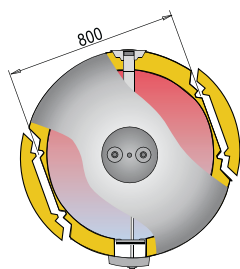
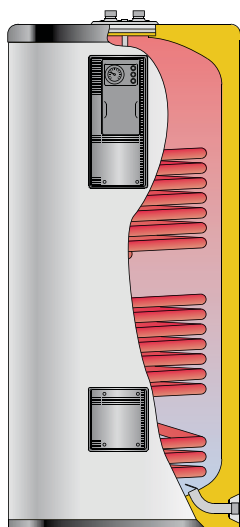


#### **STORAGE TANKS WITH COIL:**

Tanks with high-efficiency, internal heat exchange coils for high DWH production demands at peak flow.

Models with one or two coils for the production of DWH using one or two energy sources, with the option of adding backup electric heating elements.

Overdimensioned, rigid, mould-injected PU thermal insulation maintains the DWH storage temperature over long periods of time without requiring additional energy input. This means less start-ups and adjustments of external energy sources, which translates into energy savings.



Detail of pre-cut insulation on 800 and 1000 litre tanks to allow access through 800 mm wide doors.

**LONG-LASTING PRODUCT:** Nickel-chromium-molybdenum **STAINLESS STEEL** DHW storage tank, highly resistant to pitting caused by halogen elements such as chlorine in drinking water. This is the material used to manufacture all of the models in our "GEISER INOX" series.

**ANTI-LEGIONELLA DESIGN:** The shape of the heat exchange coil is ideal for heating the lowest zone of the storage tank, preventing cold zones and thus the proliferation of bacteria such as Legionella.

**EASY TO MAINTAIN:** With access to tank interior through side and top holes, for inspection and cleaning. In models with capacities of more than 800 litres there is a ND400 man-hole on the side of the tank.

**EASY TO INSTALL:** Their dimensions facilitate access to enclosed spaces (even models with capacities greater than 800 litres), with a detachable system for insulation on the two opposite sides of the tank, allowing access through 800 mm wide entrances.

**ELECTRIC HEATING:** Ready for installation with Incoloy, low charge density electric immersion elements or with ceramic heating elements (see ELECTRIC HEATING chapter, page: 38).

**MAXIMUM STORAGE CAPACITY:** Extra thick, rigid, PU mould-injected insulation that minimizes heat losses of stored DHW (see DHW PRODUCTION chapter, page: 32).

*"Exchange capacity and heat efficiency", for installations with high demands of domestic hot water production, with the best response capacity.*



### FEATURES COMMON TO ALL "GEISER INOX COIL" MODELS:

- DHW storage tanks in **AISI 316 L stainless steel**
- Capacities: **200, 300, 500, 800 and 1000 litres**
- Maximum working pressure of DHW storage tank: **8 bar** (10 bar optional)
- Maximum working pressure of coil/s: **25 bar**
- Maximum working temperature of DHW storage tank: **90 °C**
- Maximum working temperature of coil/s: **200 °C**
- Thermal insulation: **Rigid, mould-injected PU** (CFC/HCFC-free, 0.025 W/m<sup>2</sup>K)
- Tanks for **VERTICAL** installation on floor (except TSM models, only **HORIZONTAL**).

### GEISER INOX "M1"

Storage tanks with **"ONE COIL"** for the production of DHW using an external energy source (boiler, solar panels, heat pump, etc.).

They can be fitted with immersion electric elements or ceramic electric elements (See ELECTRIC HEATING chapter, page: 38).

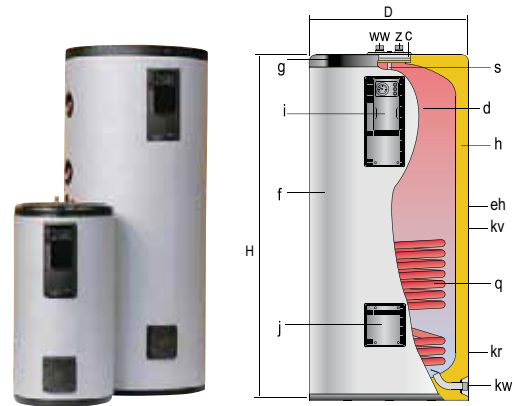
800 and 1000 l. tank models, include an insulation system that allows them to pass through 800 mm wide doors.

Tank models M1B include a ND400 side manhole.

Finish: RAL 9016 white external lining and RAL 7021 grey cover.

#### EQUIPMENT:

Side control panel with "ST" thermometer and control thermostat (except GX-150-M1).



c - Top inspection hole  
d - DHW tank  
f - Outer lining

g - Cover  
h - Thermal insulation  
i - Control panel

j - Side hole  
q - Heating coil  
s - Probe tube for sensors

GENERAL CHARACTERISTICS		GX-150-M1	GX-200-M1	GX-300-M1	GX-500-M1	GX-800-M1	GX-1000-M1	GX-800-M1B	GX-1000-M1B
DHW capacity	l.	150	200	300	500	800	1000	800	1000
D: external diameter	mm.	560	620	620	770	950	950	950	950
H: overall height	mm.	1265	1205	1685	1690	1840	2250	1840	2250
kw: cold water inlet / drain	" GAS/M	1	1	1	1	1 1/4	1 1/4	1 1/4	1 1/4
ww: DHW outlet	" GAS/M	1	1	1	1	1 1/2	1 1/2	1 1/2	1 1/2
z: recirculation	" GAS/M	1	1	1	1	1 1/2	1 1/2	1 1/2	1 1/2
eh: side connection	" GAS/M	-	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
kv: primary input	" GAS/M	3/4	1	1	1	1	1	1	1
kr: primary return	" GAS/M	3/4	1	1	1	1	1	1	1
Heating coil surface	m <sup>2</sup>	0,8	1,1	1,4	1,8	2,8	3,4	2,8	3,4
Empty weight (approx.)	Kg	44	60	85	117	164	189	195	220

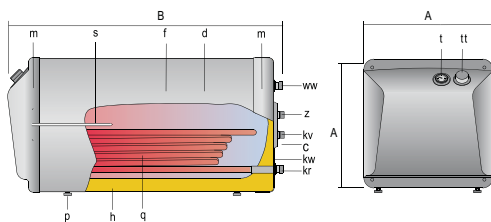
NOTE: Models M1B, with side manhole ND400

### GEISER INOX "TSM"

Storage tanks with **"ONE COIL"** for the production of DHW using combined external energy sources (boiler, solar panels, heat pump, etc.).

Specifically designed for **HORIZONTAL INSTALLATION**, a boiler of up to 700 Kg can be installed on top.

**EQUIPMENT:** thermometer and DHW control thermostat on front cover.



c - Inspection hole  
d - DHW tank  
f - Outer lining  
m - Side covers  
h - Thermal insulation  
q - Heating coil  
s - Probe tube for sensors  
p - Leveling feet  
t - Thermometer  
tt - Thermostat



GENERAL CHARACTERISTICS		GX-150-TSM	GX-200-TSM
DHW capacity	l.	150	200
A: Height / width	mm.	630	630
B: Length	mm.	1000	1255
kw: cold water inlet / drain	" GAS/M	3/4	3/4
ww: DHW outlet	" GAS/M	3/4	3/4
z: recirculation	" GAS/M	3/4	3/4
kv: primary input	" GAS/M	3/4	3/4
kr: primary return	" GAS/M	3/4	3/4
Heating coil surface	m <sup>2</sup>	0,7	0,9
Empty weight (approx.)	Kg	51	70

**GEISER INOX "M2"**

Storage tanks with **"TWO COILS"** for the production of DHW using combined external energy sources (boiler, solar panels, heat pump, etc.).

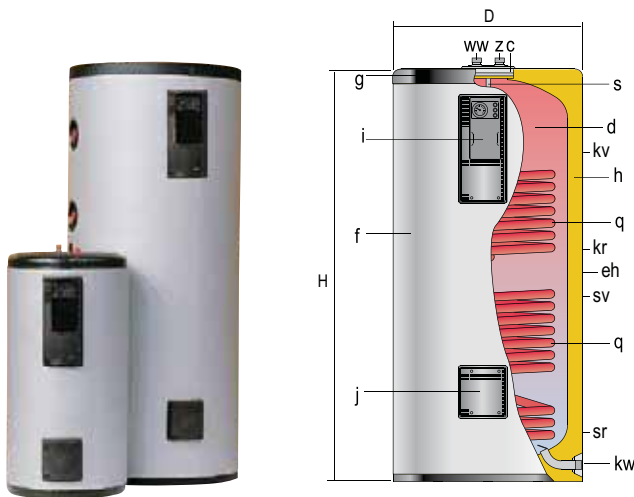
They can be fitted with immersion electric elements or ceramic electric elements (See ELECTRIC HEATING chapter, page: 38). 800 and 1000 l. tank models, include an insulation system that allows them to pass through 800 mm wide doors.

Tank models M2B include a ND400 side manhole.

Finish: RAL 9016 white external lining and RAL 7021 grey cover.

**EQUIPMENT:**

Side control panel with "ST" thermometer and control thermostat.



- c - Top inspection hole
- d - DHW tank
- f - Outer lining
- g - Cover
- h - Thermal insulation
- i - Control panel
- j - Side hole
- q - Heating coil
- s - Probe tube for sensors

GENERAL CHARACTERISTICS		GX-300-M2	GX-400-M2	GX-500-M2	GX-800-M2	GX-1000-M2	GX-800-M2B	GX-1000-M2B
DHW capacity	l.	300	400	500	800	1000	800	1000
D: external diameter	mm.	620	770	770	950	950	950	950
H: overall height	mm.	1685	1525	1690	1840	2250	1840	2250
kw: cold water inlet / drain	" GAS/M	1	1	1	1 1/4	1 1/4	1 1/4	1 1/4
ww: DHW outlet	" GAS/M	1	1	1	1 1/2	1 1/2	1 1/2	1 1/2
z: recirculation	" GAS/M	1	1	1	1 1/2	1 1/2	1 1/2	1 1/2
eh: side connection	" GAS/M	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
kv, kr: upper coil connections	" GAS/M	1	1	1	1	1	1	1
sv, sr: lower coil connections	" GAS/M	1	1	1	1	1	1	1
Upper coil heating surface	m <sup>2</sup>	1,1	0,9	1,2	1,3	1,3	1,3	1,3
Lower coil heating surface	m <sup>2</sup>	1,4	1,8	1,8	2,8	3,4	2,8	3,4
Empty weight (approx.)	Kg	93	120	126	175	200	206	231

NOTE: M2B models, with side manhole ND400

### GEISER INOX "HL"

Storage tanks with **HIGH PERFORMANCE COIL**, with high thermal exchange surface, for the production of DHW using combined external energy sources (boiler, solar panels, heat pump, etc.).

They can be fitted with immersion electric elements (See ELECTRIC HEATING chapter, page: 38).

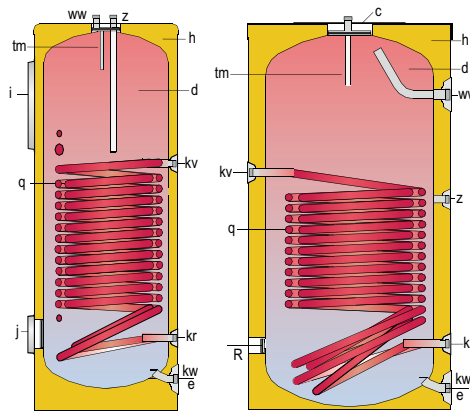
Tank models of 800 L or higher, include a ND400 side manhole and an insulation system that allows them to pass through 800 mm wide doors.

Finish: RAL 9016 white external lining and RAL 7021 grey cover.

#### EQUIPMENT:

**Models "HLB"** with side manhole ND400.

Side control panel with thermometer.



- c - Top inspection hole
- d - DHW tank
- f - Outer lining
- g - Cover
- h - Thermal insulation
- i - Control panel
- j - Side hole
- q - Heating coil
- s - Probe tube for sensors

GENERAL CHARACTERISTICS		GX-200-HL	GX-300-HL	GX-500-HL	GX-800-HL	GX-1000-HL	GX-800-HLB	GX-1000-HLB
DHW capacity	l.	200	300	500	800	1000	800	1000
D: external diameter	mm.	620	620	770	950	950	950	950
H: overall height	mm.	1205	1685	1690	1840	2250	1840	2250
kw: cold water inlet / drain	" GAS/M	1	1	1	1 1/4	1 1/4	1 1/4	1 1/4
ww: DHW outlet	" GAS/M	1	1	1	1 1/2	1 1/2	1 1/2	1 1/2
z: recirculation	" GAS/M	1	1	1	1 1/2	1 1/2	1 1/2	1 1/2
eh: side connection	" GAS/M	1 1/2	1 1/2	1 1/2	2	2	2	2
kv: primary input	" GAS/M	1 1/4	1 1/4	1 1/4	1	1	1	1
kr: primary return	" GAS/M	1 1/4	1 1/4	1 1/4	1	1	1	1
Heating coil surface	m <sup>2</sup>	2,4	3,1	4,8	5,7	6,4	5,7	6,4
Empty weight (approx.)	Kg	63	83	120	198	239	221	258

NOTE: HLB models, with side manhole ND400

### LONG-LASTING PRODUCT:

#### Nickel-chromium-molybdenum

**STAINLESS STEEL** DHW storage tank, highly resistant to pitting caused by halogen elements such as chlorine in drinking water. This is the material used to manufacture all of the models in our "GEISER INOX" series.

### HYGIENIC MATERIAL:

Easy to clean, allows the use of strong washing and disinfecting methods (e.g. anti-legionella treatment). In DHW tanks made of stainless steel there is no accumulation of residues from sacrificial anodes because the tanks do not require cathodic protection in normal working conditions.

### FOOD GRADE:

Stainless steel is a non-toxic material that is commonly used in the food industry. In hygiene tests it is on a par with glass and porcelain and is thus considered ideal for use in the manufacture of tanks intended for the production and storage of domestic hot water.

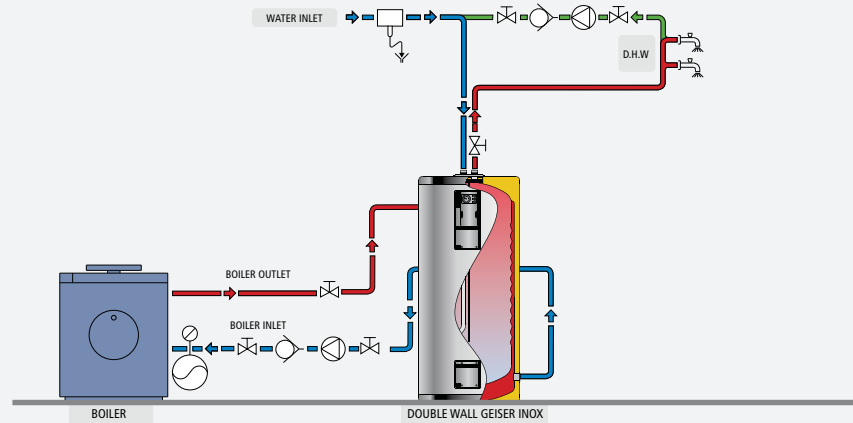
### ANTI LEGIONELLA DESIGN:

The surround heating of DHW produces a uniform water storage temperature throughout the whole of the tank, avoiding cold zones and allowing to use the full capacity of the tank. In models equipped with heat exchange coil, the stored water is heated from the lowest zone of the tank, therefore hot water can be stored in the complete tank volume.

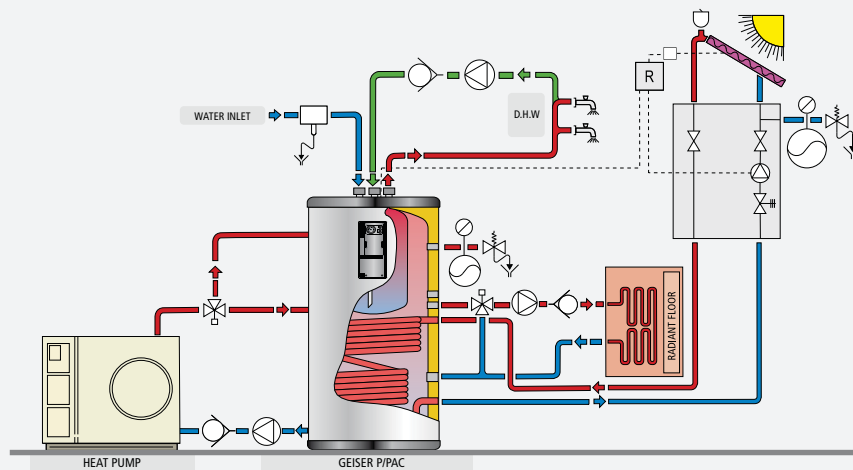
### EFFECTIVE SAVING:

Rigid, mould-injected PU thermal insulation maintains the DHW storage temperature over long periods of time, therefore reducing heat losses. Tanks adapted to requirements of ErP Directive.

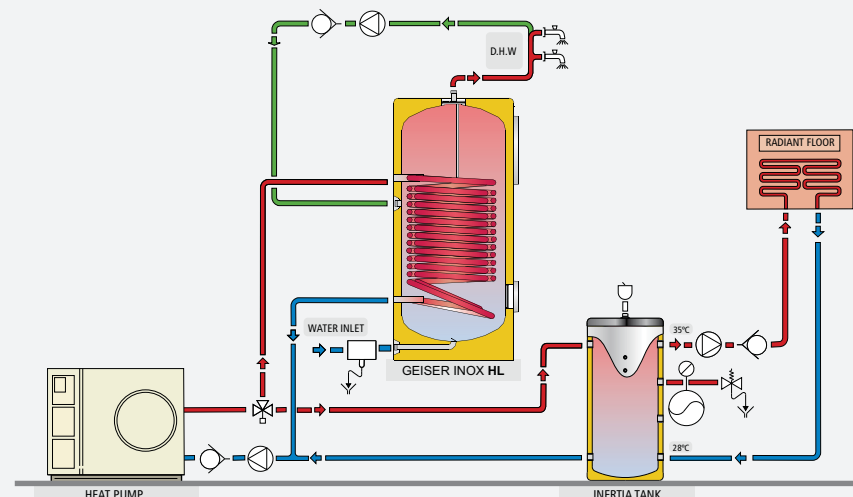
## EXAMPLES OF INSTALLATION "GEISER INOX"



EXAMPLE OF INSTALLATION: DOUBLE WALL GEISER INOX



EXAMPLE OF INSTALLATION: GEISER INOX P/PAC



EXAMPLE OF INSTALLATION: GEISER INOX HL/HLB

### LEGEND

- Sanitary safety group
- Non-return valve
- Circulator
- Deaerator
- Drain
- Three-way valve
- Expansion vessel
- Safety valve