GEISER INOX - STAINLESS STEEL

DOUBLE WALL models - nothing but advantages!

The water contained in the surrounding tank or primary tank is heated by an external energy source (boiler, heat pump, solar collectors, etc.) that passes through this vessel and transmits its thermal energy to the water contained in the inner tank or DHW storage tank.

DOUBLE-WALL TANKS: This is the star product of the "GEISER INOX" series thanks its many advantages over conventional DHW production systems.
The DOUBLE-WALL system basically consists of a combination of two tanks, one inside the other. DHW production takes place by the exchange of heat from the external or primary tank to the internal or secondary tank (DHW), throughout the whole of the tank's surface.
The water contained in the surrounding tank or primary tank is heated by an external energy source (boiler, heat pump, solar collectors, etc.) that passes through this vessel and transmits its thermal energy to the water contained in the inner tank or DHW storage tank.

DHW PRODUCTION/STORAGE TANKS
GEISER INOX - **DOUBLE WALL**

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.

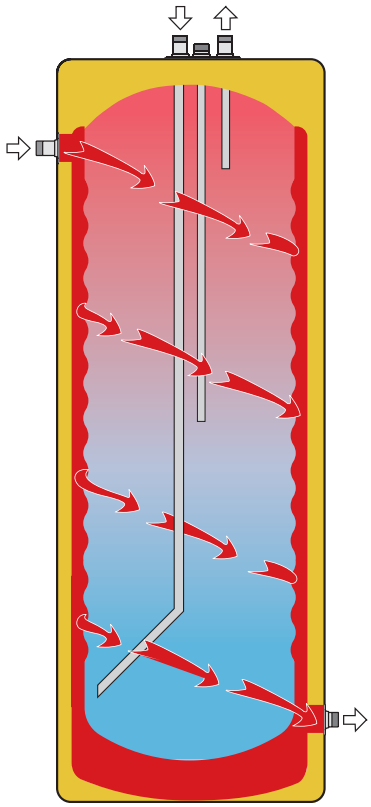
SELF-CLEANING EFFECT: Corrugated design of the DHW storage tank, in constant vertical movement depending on the fluctuations in the internal pressure, which helps to detach any limescale from the walls.

ANTI LEGIONELLA DESIGN: Totally uniform DHW storage temperature, with no cold zones inside the storage tank. The surround heating of DHW produces a uniform water storage temperature throughout the whole of the tank, which in turn allows it to be used to its full capacity.

MAINTENANCE-FREE: DHW tank without any internal heat exchange elements. It does not require cathodic protection in normal drinking water conditions. The models with electric heating have the heating element in the primary circuit so there is no risk of corrosion or lime scale.

LARGE DHW PRODUCTION CAPACITY: The heat exchange area is that of the total surface area of the DHW storage tank.

MAXIMUM STORAGE CAPACITY: Extra thick, rigid, PU mould-injected insulation that minimizes heat losses of stored DHW (see HEAT INSULATION chapter, page: 35)



DOUBLE WALL TANKS HEATING SYSTEM

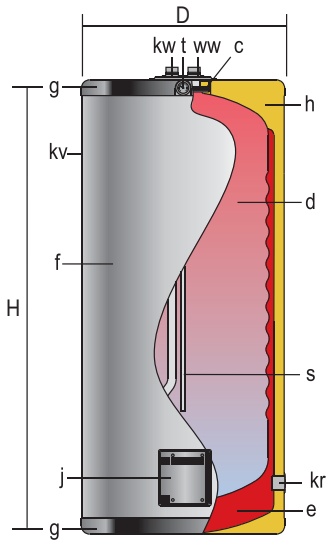
FEATURES COMMON TO ALL "DOUBLE-WALL GEISER INOX" MODELS:

- DHW storage tanks in **AISI 316 L stainless steel**
- DHW capacities: **60, 100, 150, 200, 300 and 500 litres**
- Maximum working pressure of DHW storage tank: **8 bar** (10 bar optional)
- Maximum working temperature of DHW storage tank: **90 °C**
- Maximum working pressure of surrounding tank (primary circuit): **3 bar**
- Maximum working temperature of surrounding tank (primary circuit): **110 °C**
- Thermal insulation: **Rigid, mould-injected PU** (CFC/HCFC-free, 0.025 W/m°K)
- VERTICAL or HORIZONTAL installation. Up to 150 litres, ready for WALL MOUNTING (except TS models)

GEISER INOX "S"

DOUBLE-WALL storage tank for the production of DHW by heat exchange between the surrounding tank (primary circuit) and the internal tank (DHW), via an external energy source (boiler, solar panels, heat pump, etc.).
Finish: RAL 9016 white external lining and RAL 7021 grey cover.
For VERTICAL or HORIZONTAL installation.
Designed for wall mounting, up to GX6 190S model.

EQUIPMENT:
DHW thermometer on top cover. Brackets for wall mounting, up to GX6 S190 model.



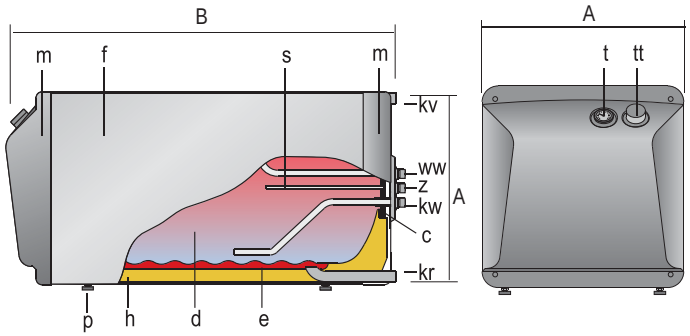
c - inspection hole
d - DHW tank
e - heating chamber
f - external lining
g - cover
h - thermal insulation
j - side hole
s - probe tube for sensors
t - thermometer

GENERAL CHARACTERISTICS		GX6 S90	GX6 S130	GX6 S190	GX6 S260	GX6 S400	GX6 S600
Total capacity	l.	82	130	191	256	365	608
DHW capacity	l.	60	100	150	200	300	500
Primary HW capacity	l.	22	30	41	56	65	108
D: external diameter	mm.	480	480	620	620	620	770
H: overall height	mm.	750	1155	985	1240	1725	1730
kw: cold water inlet / drain	" GAS/M	3/4	3/4	3/4	3/4	3/4	1 1/4
ww: DHW outlet	" GAS/M	3/4	3/4	3/4	3/4	3/4	1 1/4
kv: primary input	" GAS/F	1	1	1	1	1	1 1/2
kr: primary return	" GAS/F	1	1	1	1	1	1 1/2
Heat exchange surface	m^2	0,8	1,2	1,2	1,6	2,4	3
Empty weight (approx.)	Kg	34	50	63	76	105	149

GEISER INOX "TS"

DOUBLE-WALL storage tank for the production of DHW by heat exchange between the surrounding tank (primary circuit) and the internal tank (DHW), via an external energy source (boiler, solar panels, heat pump, etc.).
Specifically designed for **HORIZONTAL INSTALLATION.**
Finish: RAL 9016 white external lining and black covers.
Able to withstand the weight of a boiler of up to 700 kg on top.

EQUIPMENT:
Thermometer & DHW regulation thermostat on front cover.



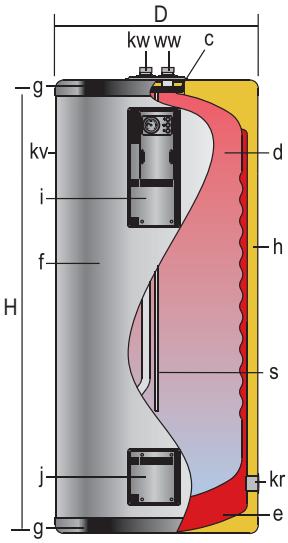
GENERAL CHARACTERISTICS		GX6 TS180	GX6 TS240
Total capacity	l.	175	233
DHW capacity	l.	150	200
Primary HW capacity	l.	25	33
A: heigth / width	mm.	630	630
B: length	mm.	1.000	1.225
kw: cold water inlet / drain	" GAS/M	3/4	3/4
ww: DHW outlet	" GAS/M	3/4	3/4
z: recirculation	" GAS/M	3/4	3/4
kv: primary input	" GAS/F	1	1
kr: primary return	" GAS/F	1	1
Heat exchange surface	m^2	1,2	1,6
Empty weight (approx.)	Kg	66	85

c - inspection hole
d - DHW tank
e - heating chamber
f - external lining
h - thermal insulation
m - side covers
p - leveling feet
s - probe tube for sensors
t - thermometer
tt - thermostat

GEISER INOX "D"

DOUBLE-WALL storage tank for the production of DHW by means of heat exchange between the surrounding tank (primary circuit) and the internal tank (DHW), via an external energy source (boiler, solar panels, heat pump, etc.).
Equipped with side hole in primary circuit for **optional incorporation of electric heating element.**
Finish: RAL 9016 white external lining and RAL 7021 grey cover.

EQUIPMENT:
"K" control panel, wired and mounted, with thermometer, dual safety and control thermostat, winter-summer switch and LEDs.
OPTIONAL: "KP1" control panel with analog time switch for electric heating.
Brackets for wall mounting, up to model GX6 D190.



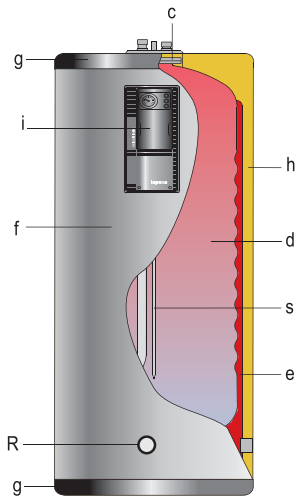
c - inspection hole
d - DHW tank
e - heating chamber
f - external lining
g - cover
h - thermal insulation
i - control panel
j - side hole
s - probe tube for sensors
t - thermometer

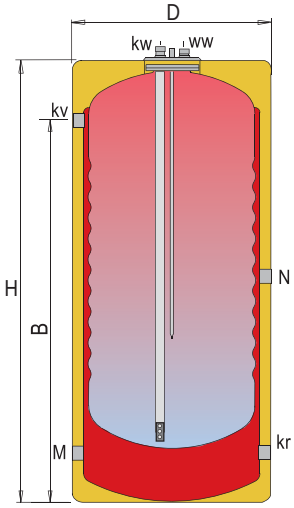
GENERAL CHARACTERISTICS		GX6 D90	GX6 D130	GX6 D190	GX6 D260	GX6 D400	GX6 D600
Total capacity	l.	82	130	191	256	365	608
DHW capacity	l.	60	100	150	200	300	500
Primary HW capacity	l.	22	30	41	56	65	108
D: external diameter	mm.	480	480	620	620	620	770
H: overall height	mm.	750	1155	985	1240	1725	1730
kw: cold water inlet / drain	" GAS/M	3/4	3/4	3/4	3/4	3/4	1 1/4
ww: DHW outlet	" GAS/M	3/4	3/4	3/4	3/4	3/4	1 1/4
kv: primary input	" GAS/F	1	1	1	1	1	1 1/2
kr: primary return	" GAS/F	1	1	1	1	1	1 1/2
Heat exchange surface	m^2	0,8	1,2	1,2	1,6	2,4	3
Control panel	model	K	K	K	K	K	K
Empty weight (approx.)	Kg	36	52	65	78	107	151

GEISER INOX "DE"

DOUBLE-WALL storage tank for the production of DHW by means of heat exchange between the surrounding tank (primary circuit) and the internal tank (DHW), via an external energy source (boiler, solar panels, heat pump, etc.).
Equipped with side threaded connection in primary circuit for **optional incorporation of an "RI"-type THREADED electric heating element.**
Finish: RAL 9016 white external lining and RAL 7021 grey cover.

EQUIPMENT:
"K" control panel, wired and mounted, with thermometer, dual safety and control thermostat, winter-summer switch and LEDs.
OPTIONAL: "KP1" control panel with analog time switch for electric heating.





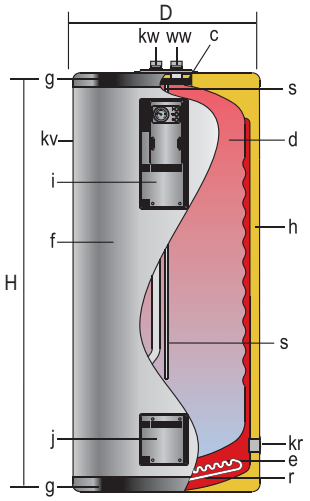
c - Top inspection hole
d - DHW tank
e - Heating chamber
f - Outer lining
g - Cover
h - Thermal insulation
i - Control panel
s - Probe tube for sensors

GENERAL CHARACTERISTICS		GX6 DE140	GX6 DE180	GX6 DE215	GX6 DE260	GX6 DE400	GX6 DE600
Total capacity	l.	138	176	214	252	365	608
DHW capacity	l.	92	127	161	196	265	433
Primary HW capacity	l.	46	49	53	56	100	175
D: external diameter	mm.	560	560	560	560	620	770
H: overall height	mm.	1030	1280	1530	1780	1725	1730
kw: cold water inlet / drain	" GAS/M	3/4	3/4	3/4	3/4	3/4	1 1/4
ww: DHW outlet	" GAS/M	3/4	3/4	3/4	3/4	3/4	1 1/4
kv: primary input	" GAS/F	1	1	1	1	1 1/2	1 1/2
kr: primary return	" GAS/F	1	1	1	1	1 1/2	1 1/2
R: connection for electric heating element	" GAS/F	2	2	2	2	2	2
N: primary side connection	" GAS/F		1	1	1	1 1/2	1 1/2
M: primary side connection	" GAS/F	1	1	1	1	1 1/2	1 1/2
Heat exchange surface	m^2	0,9	1,2	1,6	1,9	2,2	2,8
Control panel	model	K	K	K	K	K	K
Empty weight (approx.)	Kg	50	67	90	97	106	150

GEISER INOX "DEC"

DOUBLE-WALL storage tank for the production of DHW by means of heat exchange between the surrounding tank (primary circuit) and the internal tank (DHW), via an external energy source (boiler, solar panels, heat pump, etc.).
Equipped with side hole in primary circuit, with **factory-mounted electric heating element.**
Finish: RAL 9016 white external lining and RAL 7021 grey cover.

EQUIPMENT:
Full electric heating unit, factory-mounted and wired, comprising electric heating element and "K" control panel, with thermometer, dual safety and control thermostat, winter-summer switch and LEDs.
Brackets for wall mounting, up to model GX6 DEC190.
OPTIONAL: "KP1" control panel with analog time switch for electric heating.



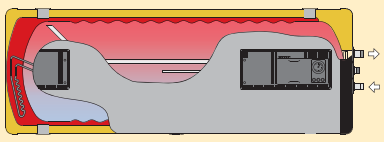
c - Inspection hole
d - DHW tank
e - Heating chamber
f - External lining
g - Cover
h - Thermal insulation
i - Control panel
j - Side hole
s - Probe tube for sensors
r - Electric heating element

GENERAL CHARACTERISTICS		GX6 DEC90	GX6 DEC130	GX6 DEC190	GX6 DEC260	GX6 DEC400	GX6 DEC600
Total capacity	l.	82	130	191	256	365	608
DHW capacity	l.	60	100	150	200	300	500
Primary HW capacity	l.	22	30	41	56	65	108
D: external diameter	mm.	480	480	620	620	620	770
H: overall height	mm.	750	1155	985	1240	1725	1730
kw: cold water inlet / drain	" GAS/M	3/4	3/4	3/4	3/4	3/4	1 1/4
ww: DHW outlet	" GAS/M	3/4	3/4	3/4	3/4	3/4	1 1/4
kv: primary input	" GAS/F	1	1	1	1	1	1 1/2
kr: primary return	" GAS/F	1	1	1	1	1	1 1/2
Heat exchange surface	m^2	0,8	1,2	1,2	1,6	2,4	3
Control panel	model	K	K	K	K	K	K
Electric heating element (factory mounted)	kW	1,5	2,2	2,2	2,5	2,5	4,5
Empty weight (approx.)	Kg	37	53	67	80	109	153

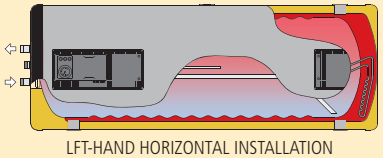
WALL INSTALLATION: GEISER INOX models up to 150 litres DHW capacity can be WALL-MOUNTED. The necessary anchors are supplied with the tanks. (See installation and mounting instructions).

VERTICAL OR HORIZONTAL POSITION: "GEISER INOX" DOUBLE-WALL tanks can be installed VERTICALLY OR HORIZONTALLY, thus the use of hydraulic connections must according to the diagram indications.
The standard tank supplied can be installed VERTICALLY and HORIZONTALLY (TO THE RIGHT).
To install the tank HORIZONTALLY TO THE LEFT, rotate the secondary circuit hydraulic connections plate 180°.
There are two versions for heating with electric elements: "I" LEFT HORIZONTAL and "D" RIGHT HORIZONTAL, according to the orientation of the hydraulic connections on the tank's secondary circuit:

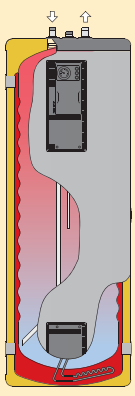
Example:
- *Electric heating element RC...I. for left horizontal position.*
- *Electric heating element RC...D. for right horizontal position.*
- *Both types of electric elements are valid for VERTICAL installations.*



RIGHT-HAND HORIZONTAL INSTALLATION



LFT-HAND HORIZONTAL INSTALLATION



VERTICAL INSTALLATION

nothing but advantages!

Models
DOUBLE WALL

- STAINLESS STEEL STORAGE TANK
- LARGE DHW PRODUCTION CAPACITY
- SELF-CLEANING EFFECT
- ANTI-LEGIONELLA DESIGN
- MAXIMUM STORAGE CAPACITY
- MAINTENANCE-FREE