



# Hot water systems

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# Hot water systems

A broad range of options which make it possible to efficiently produce Domestic Hot Water for both domestic and professional use and to manage water for technical use in heating systems.

We have numerous series of products dedicated to the production and storage of hot water. Those products meet people's needs and bring comfort to users, in individual housing, as well as public and private residential structures, the tertiary sector and the industrial sector. Our product lines consist of DHW systems, hot water storage tanks, thermal solar power systems which are designed to efficiently operate in all different applications.

Our products are well-thought-out. We try to come up with new conceptual solutions and to think over the materials we use. In this way we aim for:

- high performance
- a minimum heat loss
- high quality and a long life span

## Energy labels

All products for hot water production are provided with an energy label in accordance with the CE directive and the specific regulations for the devices. The label certifies the energy efficiency class which helps the professionals and the users consciously choose the most efficient solution to their requirements. For more information see pag. 10.



## Special materials and internal treatment of the tanks

We offer products with a finishing touch adapted to every possible application: high quality stainless steel and glass lining (enamel vitrified at a tempera-

ture of more than 800°C) which ensure a maximum hygiene and life span even when the water temperature is elevated. Moreover there is Bluetech, an innovative and efficient treatment with high elasticity. It is made from thermosetting resins and ensures a 100 % cleanliness of water for domestic use.

## Insulation

The following types of insulation are available:

- rigid polyurethane foam, high density, thermal insulation
- Thick flexible polyurethane, also for large tanks (up to 10.000 litres) or for special projects
- Other materials, on the client's request

## Protective equipment

There are sets with protective equipment which guarantee the safety and correct use of the products, such as protection against overpressure, safety valves, expansion vessels, protection against water hammering, antifreeze protection, cathodic protection against corrosion, etc. If necessary, our clients can solicit the help of the consultancy service provided by our staff during the design and selection phase. They will help you look for the perfect solution to your problem and will send you the information needed to properly and efficiently manage the product and/or the device.

You can find more details in the following part of the brochure.



# Inertial tanks for Domestic Hot Water

## FLEXY

The FLEXY range consists of inertial tanks for domestic hot water, available in version with or without inspection hole (allowing easy access during inspection and maintenance), in different capacities, from 200 to 10000 litres. They are equipped with rigid or flexible insulation and PVC outer coating, magnesium anode for protection against galvanic currents.

**Material:** S 235 JR carbon steel

### Treatment for internal protection

- up to 1000 Inorganic glass lining in accordance with DIN 4753.3
- from 1500 litres up Bluetech enamelling with thermosetting resins, suitable for domestic hot water

### Insulation


Capacity (l)	Type
200, 300	Highly rigid polyurethane foam
from 500 to 1000	Polystyrene Graphite + Polyester Fiber
from 1500 to 5000	Polyester Fiber
from 6000	Flexible polyurethane foam

### Operational limits

Capacity (l)	Max. temperature	Max. pressure
up to 1000	95°C	10 bar
from 1500	80°C	6 bar

















**TESTED**

 **Supplied accessories:** Adjustable feet for sizes up to 500 l, safety valve and thermometer for sizes up to 1000 l, magnesium sacrificial anode for all sizes.

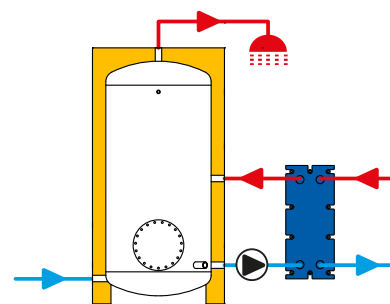
 **Standard accessories:** see pag 274

 **Special versions:** see pag 277

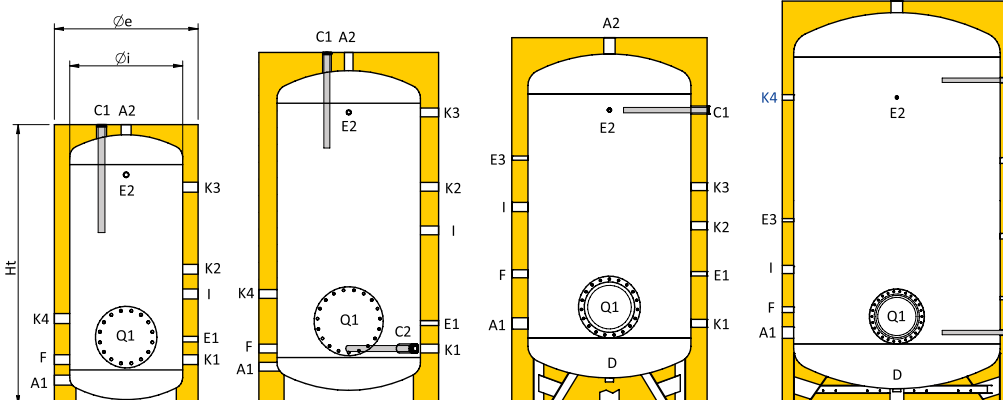
\*Can be coupled with Boil custom (pag 180)

FLEXY with inspection hole				With vertical packaging		FLEXY without inspection hole				With vertical packaging	
Capacity l	Code*	Price	Energy label	Dimensions cm	Weight kg	Code	Price	Energy label	Dimensions cm	Weight kg	
200	817060015X			75x75x125	90	817060021X			75x75x125	80	
300	817060016X			75x75x150	100	817060022X			75x75x150	90	
500	817060017X			80x80x209	134	817060023X			80x80x209	124	
750	817060018X			99x99x199	260	817060024X			99x99x199	250	
1000	817060019X			99x99x230	296	817060025X			99x99x230	286	
1500	817080112X			123x123x240	229	817080098X			123x123x240	218	
2000	817080099X			132x132x275	280	817080115X			132x132x275	270	
2500	817080100X			147x147x277.5	316	817080116X			147x147x277.5	306	
3000	817080101X			147x147x299	349	817080117X			147x147x299	339	
4000	817080102X			163x163x306	508	817080118X			163x163x306	498	
5000	817080103X			183x183x310	597	817080119X			183x183x310	587	
6000	817080120X			282x203x217.5	746	-					
8000	817080121X			352x203x217.5	882	-					
10000	817080122X			427x203x217.5	1032	-					

# Inertial tanks for DHW FLEXY



200 ≤ cap. ≤ 300    500 ≤ cap. ≤ 1000    1500 ≤ cap. ≤ 5000    6000 ≤ cap. ≤ 10000



## Legend couplings

- A1** DHW inlet
- A2** DHW outlet
- C1** Anode
- C2** Anode
- D** Drain
- E1** Probe / Thermometer
- E2** Probe / Thermometer
- E3** Probe / Thermometer
- F** Recirculation
- I** Electrical resistor
- K1** Auxiliary
- K2** Auxiliary
- K3** Auxiliary
- K4** Auxiliary
- Q1** Inspection hole

## Couplings chart

Cap. l	A1 inch	A2 inch	C1 inch	C2 inch	D inch	E1 inch	E2 inch	E3 inch	F inch	I inch	K1 inch	K2 inch	K3 inch	K4 inch	Q1 (Øext/Øint) mm
200	1 1/4	1 1/4	1 1/4	-	-	1/2"	1/2"	-	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	Ø300/Ø220
300	1 1/4	1 1/4	1 1/4	-	-	1/2"	1/2"	-	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	Ø300/Ø220
500	1 1/4	1 1/4	1 1/4	1 1/4	-	1/2"	1/2"	-	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	Ø300/Ø220
750	1 1/4	1 1/4	1 1/4	1 1/4	-	1/2"	1/2"	-	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	Ø380/Ø300
1000	1 1/4	1 1/4	1 1/4	1 1/4	-	1/2"	1/2"	-	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	Ø380/Ø300
1500	2"	2"	1 1/4	-	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	-	Ø380/Ø300
2000	2"	2"	1 1/4	-	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	Ø430/Ø350
2500	2 1/2	2 1/2	1 1/4	-	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	-	Ø430/Ø350
3000	3"	3"	1 1/4	-	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	-	Ø430/Ø350
4000	3"	3"	1 1/4	-	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	-	Ø430/Ø350
5000	3"	3"	1 1/4	-	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	-	Ø430/Ø350
6000	3"	3"	1 1/4	1 1/4	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	-	1 1/4	1 1/4	1 1/4	Ø480/Ø400
8000	3"	3"	1 1/4	1 1/4	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	-	1 1/4	1 1/4	1 1/4	Ø480/Ø400
10000	3"	3"	1 1/4	1 1/4	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	-	1 1/4	1 1/4	1 1/4	Ø480/Ø400

## Size chart

Cap. l	Øe mm	Ht mm	R* mm	A1 mm	C1 mm	C2 mm	D mm	E1 mm	E2 mm	E3 mm	F mm	I mm	K1 mm	K2 mm	K3 mm	K4 mm	Q1** mm
200	700	1100	1305	130	1100	-	-	320	855	-	220	540	130	660	970	420	330
300	700	1340	1515	130	1340	-	-	320	1120	-	220	540	220	660	1060	420	330
500	760	1920	2065	150	1920	250	-	380	1640	-	250	945	250	1090	1640	480	360
750	950	1970	2190	210	1970	310	-	460	1610	-	310	960	310	1150	1610	610	460
1000	950	2280	2470	210	2280	310	-	460	1910	-	310	915	310	1150	1910	610	460
1500	1250	2280	2600	500	1810	-	165	805	1810	1515	805	1215	500	1100	1340	-	600
2000	1350	2600	2930	505	2115	-	155	805	2115	1805	805	1505	505	1105	1345	-	620
2500	1400	2655	3000	565	2150	-	175	865	2150	1850	850	1550	565	1165	1405	-	680
3000	1450	2870	3215	575	2350	-	180	800	2350	2050	850	1750	575	1050	1415	-	690
4000	1600	2940	3350	600	2380	-	160	900	2380	2080	870	1780	600	1200	1440	-	715
5000	1800	2980	3480	610	2385	-	140	910	2160	2085	885	1785	610	1210	1450	-	725
6000	2000	2820	3460	630	2230	630	140	930	2080	1470	880	1230	-	1470	1930	2080	770
8000	2000	3520	4050	630	2830	630	140	930	2680	1610	830	1180	-	1470	2130	2680	770
10000	2000	4270	4720	630	3580	630	140	930	3430	1610	830	1180	-	1470	2880	3430	770

R\*: Reversal quota

Q1\*\*: Height from inspection hole center to the ground

# Inertial tanks for Domestic Hot Water

## FLEXY INOX

The FLEXY INOX range consists of inertial tanks for domestic hot water made of stainless steel which is highly resistant against corrosion. The tanks are available in several capacities from 200 to 5000 litres. They are equipped with very powerful flexible insulation, externally covered in PVC and provided with a magnesium anode for protection against galvanic currents and an inspection flange for easy access during the control or maintenance phase.

**Material:** AISI 316 stainless steel

**Treatment for internal protection:** Pickling and passivation

### Insulation

Capacity (l)	Type
from 200 to 5000	Polyester Fiber

### Operational limits

Max. temperature	Max. pressure
95°C	6 bar

 **Supplied accessories:** Magnesium sacrificial anode for all sizes.

 **Standard accessories:** see pag 274

 **Special versions:** see pag 277



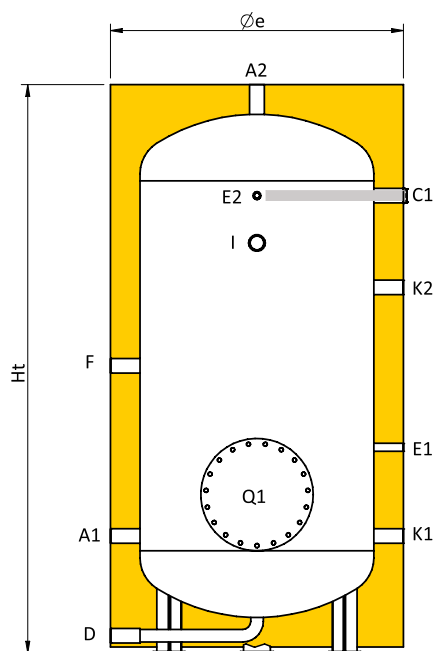
**TESTED**

Cap. l	With inspection hole			With vertical packaging	Without inspection hole			With vertical packaging
	Code*	Price	Energy label	Dimensions cm	Code	Price	Energy label	Dimensions cm
200	817040107X		<b>B</b>	68x68x159	817040025		<b>B</b>	68x68x159
300	817040108X		<b>C</b>	78x78x163	817040026		<b>C</b>	78x78x163
500	817040109X		<b>C</b>	83x83x207	817040027		<b>C</b>	83x83x207
800	817040110X		<b>C</b>	102x102x204	817040028		<b>C</b>	102x102x204
1000	817040111X		<b>C</b>	103x103x231	817040029		<b>C</b>	103x103x231
1500	817040112X		<b>C</b>	123x123x232	817040030		<b>C</b>	123x123x232
2000	817040113X		<b>C</b>	143x143x240	817040031		<b>C</b>	143x143x240
2500	817040114X			143x143x265	817040032			143x143x265
3000	817040115X			148x148x292	817040033			148x148x292
4000	817040116X			163x163x300	817040034			163x163x300
5000	817040117X			183x183x303	817040035			183x183x303

\*can be coupled with the Boil custom (pag 180)

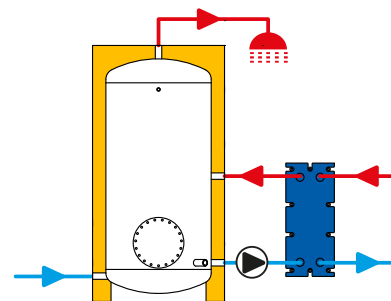
# Inertial tanks for Domestic Hot Water

## FLEXY INOX



### Couplings legend

<b>A1</b>	DHW inlet
<b>A2</b>	DHW outlet
<b>C1</b>	Anode
<b>D</b>	Drain
<b>E1</b>	Probe / Thermometer
<b>E2</b>	Probe / Thermometer
<b>F</b>	Recirculation
<b>I</b>	Electrical resistor
<b>K1</b>	Auxiliary
<b>K2</b>	Auxiliary
<b>Q1</b>	Inspection hole



### Couplings chart

Cap. l	C1 inch	D inch	E1 inch	E2 inch	F inch	A1 inch	A2 inch	I inch	K1 inch	K2 inch	Q1 (Øext/Øint) mm
200	1 1/4	2	1/2	1/2	1 1/4	1 1/4	1 1/4	1 1/2	1 1/4	1 1/4	Ø300/Ø220
300	1 1/4	2	1/2	1/2	1 1/4	1 1/4	1 1/4	1 1/2	1 1/4	1 1/4	Ø300/Ø220
500	1 1/4	2	1/2	1/2	1 1/4	1 1/4	1 1/4	1 1/2	1 1/4	1 1/4	Ø300/Ø220
800	1 1/4	1 1/4	1/2	1/2	1 1/4	1 1/4	1 1/4	1 1/2	1 1/4	1 1/4	Ø380/Ø300
1000	1 1/4	1 1/4	1/2	1/2	1 1/4	1 1/4	1 1/4	1 1/2	1 1/4	1 1/4	Ø380/Ø300
1500	1 1/4	1 1/4	1/2	1/2	1 1/4	2	2	1 1/2	1 1/4	1 1/4	Ø380/Ø300
2000	1 1/4	1 1/4	1/2	1/2	1 1/4	2	2	1 1/2	1 1/4	1 1/4	Ø430/Ø350
2500	1 1/4	1 1/4	1/2	1/2	1 1/4	2 1/2	2 1/2	1 1/2	1 1/4	1 1/4	Ø430/Ø350
3000	1 1/4	1 1/4	1/2	1/2	1 1/4	3	3	1 1/2	1 1/4	1 1/4	Ø430/Ø350
4000	1 1/4	1 1/4	1/2	1/2	1 1/4	3	3	1 1/2	1 1/4	1 1/4	Ø430/Ø350
5000	1 1/4	1 1/4	1/2	1/2	1 1/4	3	3	1 1/2	1 1/4	1 1/4	Ø430/Ø350

### Size chart

Cap. l	Øe mm	Ht mm	R' mm	A1 mm	C1 mm	E1 mm	E2 mm	F mm	I mm	K1 mm	K2 mm	Q1** mm
200	650	1470	1610	275	1115	575	1115	725	915	275	915	375
300	750	1510	1690	295	1135	595	1135	745	965	295	965	395
500	800	1950	2110	270	1670	570	1670	970	1410	270	1110	370
800	990	1940	2200	395	1545	695	1545	970	1385	395	1235	535
1000	1000	2210	2445	405	1805	705	1805	1105	1445	405	1245	545
1500	1250	2225	2555	425	1815	725	1815	1115	1455	425	1265	555
2000	1450	2305	2725	460	1850	760	1850	1150	1490	460	1300	615
2500	1400	2530	2895	460	2100	760	2100	1275	1600	460	1300	615
3000	1450	2800	3155	475	2365	775	2365	1415	1645	475	1315	630
4000	1600	2880	3295	530	2400	830	2400	1450	1680	530	1370	665
5000	1800	2910	3425	530	2400	830	2400	1450	1680	530	1370	665

R': reversal quota

Q1\*\*: Height from inspection hole center to the ground