



Consumer Goods Catalog

S.C. AMBASADOR PLUS S.R.L. is a Romanian private company, founded in 1994, that produces and sells a wide range of "ELTIM" consumer goods, heating appliances, industrial equipment, personal protection equipment, food machinery, medium and low voltage devices and equipment used for grinding plastic waste for re-injection.

S.C. AMBASADOR PLUS S.R.L. is a company dedicated to establishing partnerships and fulfilling the business needs of its customers, thus having developed strong technical skills and an impressive product portfolio.

Operating for 20 years in Romania, we managed to build a strong reputation, due to the quality of our products, the timeliness of delivery, as well as the competence and specialization of our technical and operative personnel who will ensure the fulfillment of our clients' most demanding requirements. Our clients and partners recommend ELTIM as one of the most competitive brands on the market.

S.C. AMBASADOR PLUS S.R.L. has implemented the ISO 9001:2008 quality management system by TUV AUSTRIA CERT GMBH, illustrating the deep commitment of this company towards quality products and lasting partnerships.

We intend to further strengthen our prestige on the market by rendering top quality services. We believe that quality is the primary requirement for a successful business, and we make it a priority in all of our activities.

- Implementating a flexible and innovative management system, with the goal of creating effective communication bridges between all departments coordinators;
- Meeting the needs and demands of our customers through a straightforward approach during contracting, design, execution, warranty and post-warranty;
 - Constant improvement of our quality management system and economic performance;
 - Optimizing quality and economic efficiency, by fostering the skills and coordination of our team members and encouraging staff initiative.

Our set-up and repair specialists ensure a trouble-free installation of our products, equipment and facilities (on request), and are in charge of maintenance, inspection, testing, as well as repair services in case of emergency.

We guarantee the utmost professionalism in our operations, and we hope that you will allow us to become your partner in business.



CERTIFICATE



**Management system as per
EN ISO 9001:2008**

In accordance with TÜV AUSTRIA CERT procedures, it is hereby certified that

S.C. AMBASADOR PLUS S.R.L.
Str. Circumvalațiunii, Nr. 1
RO – 300013, Timișoara, Jud. Timiș
România

applies a management system in line with the above standard for the following scope

Manufacture of domestic electric appliances
Manufacture of non-electric domestic appliances
General mechanical machining (operations of drilling, turning, milling, eroding, lapping, broaching, grinding, cutting, polishing sharpening, burnishing, welding, etc.)
Manufacture of pumps and compressors (Manufacture of air or vacuum pumps, air or other gas centrifugal pumps; Manufacture of centrifugal pumps for liquids whether or not fitted with a measuring device)
Manufacture of machinery for food, beverage and tobacco processing
Manufacture of electricity distribution and control apparatus
Manufacture of plastics and rubber process machinery
Manufacture of other general-purpose machinery (Manufacture of equipment for projecting, dispersing or spraying liquids or powders for extinguishing fire)

Certificate Registration No. 20 100 131318969

Valid until 2016-04-23

Certification Body
at TÜV AUSTRIA CERT GMBH

Vienna, 2013-04-24

This certification was conducted in accordance with TÜV AUSTRIA CERT auditing and certification procedures and is subject to regular surveillance audits.
TÜV AUSTRIA CERT GMBH Krugerstraße 16 A-1015 Wien www.tuv.at



Central Heating Boilers



ELTIM central heating boilers are designed to simultaneously provide central heating and domestic hot water, by using solid fuel (wood, wood scraps, charcoal, coke, briquettes, sawdust) for combustion.

The best way to choose a central heating boiler is by consulting the technical and functional features outlined in the respective tables.

From a construction perspective they are divided into the following categories:

Torid Range (10;15;20;35;50)

This type of system consists of a boiler with a vertical smoke tube and a water screen furnace, connected to each other through a bypass.

The boiler is equipped with an inner coil used to produce domestic hot water.

Construction - modular (lego type) vertically.

Product protection - provided by the flue regulator, combined safety valve (3 bar) and frost protection using electrical resistance (included).

Boiler Range

This kind of products has 2 heating sources and 2 water circuits (CB 2s2c 3 pipes; CB 2S2c 6 pipes). The system consists of a boiler with vertical pipes, situated on an ELTIM chamotted furnace (H3, H4 and H5 type).

The 200 l boiler with 6 flue pipes, together with the H5 chamotted furnace, can also be a solution for creating central heating.

Anti-corrosion protection – through hot galvanization.

Thermal insulation – through mineral wool coated with aluminum foil.

Finish - achieved through electrostatic powder painting.

Advantages

High efficiency in comparison to other boilers available on the market, due to the large surface of parts and very good draught, achieved through the vertical arrangement of the smoke tubes.

Enhanced safety due to the materials chosen for the construction of the tanks.

Because of increased protection through hot galvanization, the lifespan of the boiler is considerably longer, reducing the corrosion of the central heating device and of the hot water boiler.

It is the only product that protects the entire system against frost, by featuring a thermostatically controlled electric resistance, which becomes activated when leaving the building for a longer time.

Due to the large volume of hot water in the boiler, the heat consumption required for heating up the water flow circuit of the boiler's heating system is reduced, and radiators are kept warm for a longer period of time after stopping the fire in the furnace, in comparison to other types of boilers.

Increased autonomy due to automated circulation.

Compact and modular, light weight, easy to transport, handle, install and turn on.

Spacious fire ignition compartment allows for the use of larger wood pieces.

Faster heating time, due to the design of the furnace and the high exchange surface of the device.

ELTIM boilers have a unique production system of domestic hot water (DHW), which is produced directly by the boiler, with a capacity of covering the needs of a family; for a higher consumption of DHW, it is possible to mount an additional heat exchanger.

Easy to clean up the leftover tar and soot, due to the vertical positioning of the smoke pipes.

Due to its attractive design, it does not require to be stored in a special room; rather, it can be mounted directly into the living space.

Easy to maintain and repair.

Provision of spare parts and subassemblies.

With over 50 years of experience in manufacturing these products, we have established a service network throughout the country.

Technical and operational features

		TORID 10	TORID 15	TORID 20	TORID 35	TORID 50	Boiler 2x2 3 smoke tubes	Boiler 2x2 6 smoke tubes	Boiler 200L 6 smoke tubes
Product code		1.B07.00.10AC	1.B07.00.15AC	1.B07.00.00AC	1.D39.00.35AC	1.D39.00.0000	1.C65.00.0000	1.C92.00.0000	1.D25.01.2001
Nominal heat output (kW)		12	17	27	35	55	8-10	12-14	16-18
No of smoke tubes (piece)		3	6	6	6	12	3	6	6
Max pressure in boiler (bar)		3	3	3	3	3	3	3	3
Recommended charging pressure (bar)		0.9-1.1	0.9-1.1	0.9-1.1	0.9-1.1	0.9-1.1	0.9-1.1	0.9-1.1	0.9-1.1
Max temp of boiler water (°C)		90	90	90	90	90	90	90	90
Max temp of gas drain (°C)		250	250	250	250	250	250	250	250
Diameter of chimney (mm)		110/140	140	140	140	200	110/140	140	140
Thermal yield up to %		90	90	90	90	90	90	90	90
Flow of domestic hot water at 40° C (L/min)		6	8	10	14	16	6	8	10
Water volume in boiler (L)		90	90	90	90	170	90	90	200
Water volume in furnace (L)		15	15	20	30	30	×	×	×
Heat exchange surface (dm²)		86	114	135	165	269	61	89	155
Power of electric resistance (kW)		2	2	2	2	2	2	2	2
Voltage supply for resistance (Vca)		230	230	230	230	230	230	230	230
Maximum area of heated space (sqm)		80	140	220	300	450	50	90	160
Fuel consumption in 24 hours (kg)		12-18	19-24	24-30	30-45	48-74	12	14	16
Storage capacity of the furnace (L)		30	30	50	110	110	28	57	57
Size of feeding hole in furnace (mm)		250x180	250x180	2x 250/180	2x 325/285	2x 325/285	250x180	250x180	250x180
Overall dimensions assembly (mm)	Height	1750	1450	1750	1800	1850	1620	1420	2020
	Length	600	620	620	810	810	540	640	640
	Width	580	580	580	710	710	500	580	580
Weight (including packaging) (kg)	Boiler	65	83	83	83	130	65	83	132
	Furnace	65	65	96	135	130	39	50	50
Necessary safety devices	Safety valve hot water (bar)	6	6	6	6	6	6	6	6
	Safety valve central heating (bar)	3	3	3	3	3	3	3	3
	Expansion tank (L)	12	12	18	24	32	12	12	18
Joints (inch)	Thermostat with chain	×	✓	✓	✓	✓	×	×	×
	Inlet (return)	1	1	1	1 ½	1 ½	1	1	1
	Outlet (turn)	1	1	1	1	1 ½	1	1	1
	Domestic hot water circuit (coil)	1	1	1	1	1	1	1	1
Recommended ELTIM furnace		✓	✓	✓	✓	✓	H3 or H4	H5	H5

Central Heating Boilers

TORID boilers are designed to simultaneously provide central heating and domestic hot water production by using solid fuel (wood, wood scraps, charcoal, coke, briquettes) for combustion.

TORID boilers consist of two units:

- Furnace with water screen;
- Boiler with flue pipes and coil.

The two units have pressure tanks that can stand up to 6 bar of pressure (having been tested at 12 bar) and are made of welded steel sheets; they are the only such devices on the market that are protected internally and externally through hot galvanization.

The boiler can have between 3 and 12 vertical flue pipes; it is equipped with an indoor coil for domestic hot water and thermostatically controlled anti-freeze electric resistance.

The furnace with water screen has one or two openings for solid fuel supply and the combustion chamber features a grate and a grate holder, both made out of cast iron. The grate is mobile and can be operated with a shaker.

The outer look of the furnace – boiler device is made out of white or brown sheets, protected through electrostatic powder coating.

The thermal insulation, made out of mineral wool, is laminated with aluminum foil.

TORID boilers are certified according to the Low-Voltage Directive.

The air intake for combustion is automatically adjusted using a circulation control thermostat.

The boilers include a manometer, circulation thermostatic regulator, ash collection drawer, smoke collector, furnace - boiler bypass and cleaning kit.

Torid 10

Colors

White

Brown



TECHNICAL SPECIFICATIONS:

Nominal thermal output: 12kW
 Number of smoke tubes: 3pcs
 Yield: up to 90%
 Maximum area of heated space: 80sqm
 Flow of domestic hot water at $\Delta T=40^{\circ}\text{C}$ at 6L/min
 Heat exchange surface: 86dm²
 Usable area in furnace: 30L
 Size of opening (fuel feeding compartment) in furnace: 250/180mm
 Fuel consumption in 24 hours: 12 to 18kg
 Diameter of chimney: 110/140mm
 Water volume in central heating boiler: 105L
 Weight: furnace 65kg + boiler 65kg
 Overall dimensions HxLxW: 1750x600x580mm



Colors

White Brown



TECHNICAL SPECIFICATIONS:

Nominal thermal output: 17kW
 Number of smoke tubes: 6pcs
 Yield: up to 90%
 Maximum area of heated space: 140sqm
 Flow of domestic hot water at $\Delta T=40^{\circ}\text{C}$ at 8L/min
 Heat exchange surface: 114dm²
 Usable area in furnace: 30L
 Size of opening (fuel feeding compartment) in furnace: 250/180mm
 Fuel consumption in 24 hours: 19 to 24kg
 Diameter of chimney: 140mm
 Water volume in central heating boiler: 105L
 Weight: furnace 65kg + boiler 83kg
 Overall dimensions HxLxW: 1450x620x580mm



Torid 20

Torid 15

Colors

White Brown



TECHNICAL SPECIFICATIONS:

Nominal thermal output: 27kW
 Number of smoke tubes: 6pcs
 Yield: up to 90%
 Maximum area of heated space: 220sqm
 Flow of domestic hot water at $\Delta T=40^{\circ}\text{C}$ at 10L/min
 Heat exchange surface: 135dm²
 Usable area in furnace: 50L
 Size of opening (fuel feeding compartment) in furnace:
 2pcx250/180mm
 Fuel consumption in 24 hours: 24 to 30kg
 Diameter of chimney: 140mm
 Water volume in central heating boiler: 110L
 Weight: furnace 96kg + boiler 83kg
 Overall dimensions HxLxW: 1750x620x580mm



Central Heating Boilers



Colors

White

Brown



TECHNICAL SPECIFICATIONS:

Nominal thermal output: 35kW
 Number of smoke tubes: 6pcs
 Yield: up to 90%
 Maximum area of heated space: 300sqm
 Flow of domestic hot water at $\Delta T=40^{\circ}\text{C}$ at 14L/min
 Heat exchange surface: 165dm²
 Usable area in furnace: 110L
 Size of opening (fuel feeding compartment) in furnace:
 2pcx325/285mm
 Fuel consumption in 24 hours: 30 to 45kg
 Diameter of chimney: 140mm
 Water volume in central heating boiler: 120L
 Weight: furnace 135kg + boiler 83kg
 Overall dimensions HxLxW: 1800x810x710mm

Torid 35
Torid 50

Colors

White

Brown



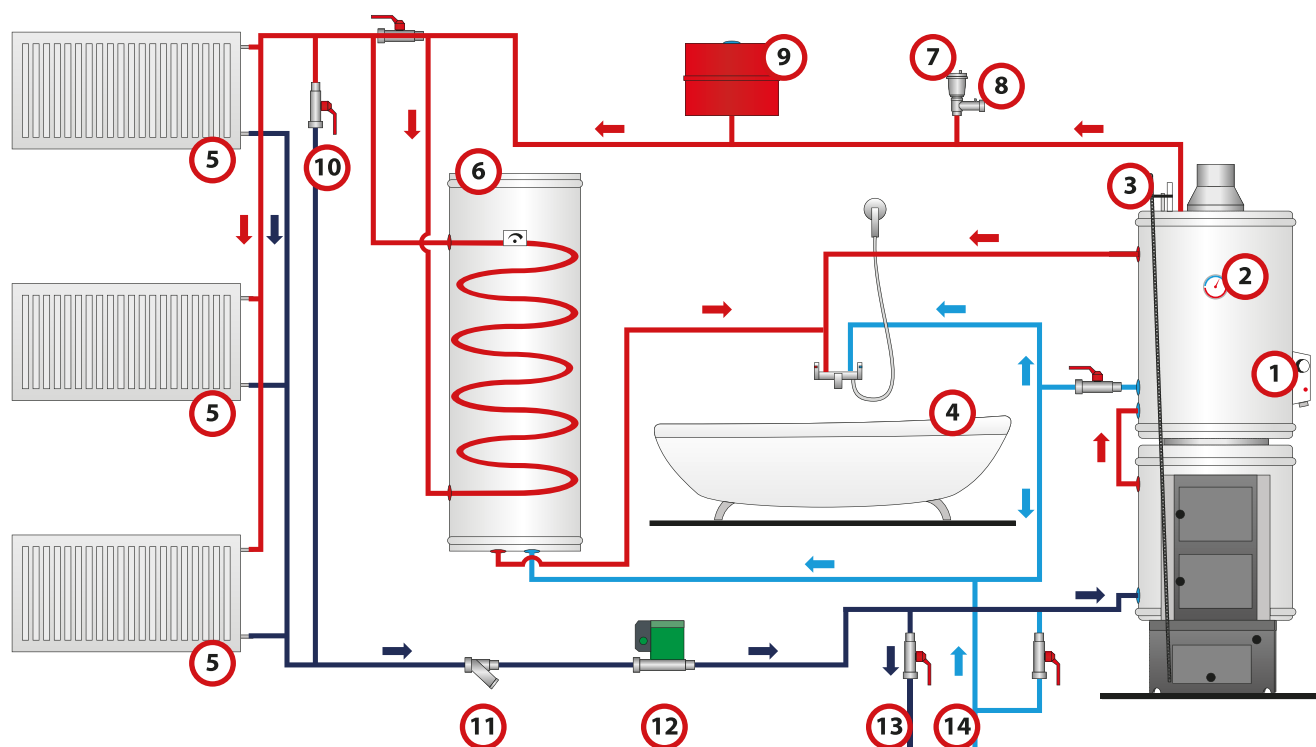
TECHNICAL SPECIFICATIONS:

Nominal thermal output: 55kW
 Number of smoke tubes: 12pcs
 Yield: up to 90%
 Maximum area of heated space: 450sqm
 Flow of domestic hot water at $\Delta T=40^{\circ}\text{C}$ at 16L/min
 Heat exchange surface: 269dm²
 Usable area in furnace: 110L
 Size of opening (fuel feeding compartment) in furnace:
 2pcx325/285mm
 Fuel consumption in 24 hours: 48 to 74kg
 Diameter of chimney: 200mm
 Water volume in central heating boiler: 200L
 Weight: furnace 130kg + boiler 130kg
 Overall dimensions HxLxW: 1850x810x710mm


TÜV
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CERTIFIED
 EN ISO 9001:2008
 CERTIFICATE NO. 20 100 131318969
 TÜV AUSTRIA CERT GMBH

*Heating and domestic hot water production, using
Torid T10-T50 boilers*



Legend

1 Torid	8 Safety valve 3 bar
2 Thermomanometer	9 Expansion vessel
3 Thermostat with chain	10 Summer /winter circuit
4 Bathtub	11 Filter Y
5 Radiators	12 Recirculating pump
6 Heat exchanger	13 Emptying plant
7 Vent	14 Cold water inlet

Bathroom Boilers

Insulated
boiler 90L



Recommended
furnace H4

Boiler
2 sources
90L



Recommended
furnace H4

Boiler
2 sources
2 circuits 90L



Recommended
furnace H4

Boiler
6-tubes 90L



Recommended
furnace H5

ELTIM bathroom boilers are cylindrical in shape and produce domestic hot water, using solid fuel (wood, wood scraps, charcoal, coke, briquettes, sawdust).

The pressure tank of the bathroom boiler is made out of welded steel. It is protected internally and externally through galvanization, phosphate coating, or stainless steel execution. It has one, three or six vertical smoke pipes.

From construction point of view they are divided into the following categories:

Insulated

Bathroom boilers CB90L, CB2S, CB2S2C 3-tubes, CB2S2C 6-tubes, CB200L.

Galvanized

Bathroom
boilers
CB60L and
CB90L.

Non-insulated Phosphate coated

Bathroom
boiler
CB80L.

Stainless steel

Bathroom
boiler CB80L
stainless steel.



The water in CB60L, CB90L and CB200L boilers is heated by combusting the solid fuel in the furnaces upon which they are placed. CB2S and CB2S2C boilers are additionally equipped with a thermostatic electrical resistance that generates a second possible heating source.

CB2S2C boilers can be used as central heating systems, while the secondary circuit (the coil inside the tank) is designed to provide domestic hot water. Another way in which the CB2S2C boilers can produce hot water is by an external heating medium (solar panels, etc.) activating the secondary circuit (coil).

Advantages

Enhanced safety due to the materials chosen for the construction of the tanks.

Can keep water hot for 24 hours (applicable to the heat insulated models).

Because of increased protection through galvanization, the lifespan of the boiler is considerably longer, reducing the possibility of corrosion in the steam system (applicable to the galvanized boilers).

Water heats up fast in the boiler, due to the construction of the furnace and the large exchange surface of the boiler.

Easy to maintain and repair.

Easy to clean up the leftover tar and soot, due to the vertical positioning of the smoke pipes.

Our service network spans the entire country, guaranteeing prompt intervention in case of malfunction.

Bathroom Boilers

Technical and operational features

		Boiler 60L non- insulated	Boiler 80L non- insulated	Stainless steel boiler 80L non- insulated	Boiler 90L non- insulated	Boiler 90L insulated	Boiler 90L insulated 2 sources	Boiler 90L 2 sources 2 circuits 3 smoke tubes	Boiler 90L 2 sources 2 circuits 6 smoke tubes	Boiler 200L 6 smoke tubes
Product code		1.546.02.0002	1.D55.00.0000	1.D56.00.000	1.546.02.0001	1.546.02.0000	1.B46.00.0001	1.C65.00.0000	1.C92.00.0000	1.D25.01.2001
Water volume in boiler (L)		60	80	80	90	90	90	90	90	200
No of smoke tubes (pieces)		1	1	1	3	3	3	3	6	6
Max pressure in boiler (bar)		6	6	6	6	6	6	6	6	6
Recommended charging pressure (bar)		12	12	12	12	12	12	12	12	12
Max temp of boiler water (°C)		90	90	90	90	90	90	90	90	90
Max temp of gas drain (°C)		250	250	250	250	250	250	250	250	250
Diameter of chimney (mm)		110	120	120	110/140	110/140	110/140	110/140	140	140
Diameter setting on furnace (mm)		340	340	340	340	340	340	340	340	340
Thermal yield up to (%)		80	80	80	90	90	90	90	90	90
Heat exchange surface (dm ²)		31	44	44	61	61	61	61	89	155
Power of electric resistance (kW)		×	×	×	×	×	2	2	2	×
Voltage supply for resistance (Vca)		×	×	×	×	×	230	230	230	×
Size joints inlet, outlet (inch)		1	½	½	1	1	1	1	1	1
Overall dimensions boiler (mm)	Height	800	1050	1050	1160	1160	1160	1160	880	1500
	Length	400	350	350	400	450	500	500	640	640
	Width	360	350	350	360	440	440	440	580	580
Overall dimensions assembly boiler + furnace (mm)	Height	1270	1520	1520	1630	1630	1630	1630	1420	2020
	Length	400	470	470	470	470	500	500	640	640
	Width	360	440	440	440	440	440	440	580	580
Weight (including packaging) (kg)	Boiler	20	27	21	33	51	52	65	83	132
	Furnace	39	39	39	39	39	39	39	50	50
Necessary safety valve (bar)		6	6	6	6	6	6	3 for heating 6 for domestic hot water	3 for heating 6 for domestic hot water	6
Recommended ELTIM furnace		H2, H3	H2, H3, H4	H2, H3, H4	H3, H4	H3, H4	H3, H4	H3, H4	H5	H5

The ELTIM 60L NON-INSULATED bathroom boiler has a cylindrical shape and is designed to produce domestic hot water using solid fuel (wood, wood scraps, charcoal, coke, briquettes, sawdust). The tank of the bathroom boiler is welded and protected against corrosion through internal and external galvanization. The outer surface of the boiler is powder painted in different colors (white, brown, gray, etc). Cold water and hot water joints are 1" thread.

Assembly must be made with a safety valve set to 6 bars.

Recommendations

It is recommended that this boiler be installed on the ELTIM furnaces type H2, H3, H4, or the sawdust furnace.

TECHNICAL SPECIFICATIONS:

Boiler capacity: 60L
 Number of smoke tubes: 1pcs
 Max. water pressure: 6 bars
 Max. temp. of hot water: 90°C
 Yield: up to 80%
 Diameter of furnace ring: 340mm
 Diameter of chimney: 110mm
 Tube inlet cold water: 1" inch inside
 Tube outlet hot water: 1" inch outside
 Recommended safety valve: 6 bars
 Weight: 20kg
 Overall dimensions HxLxW: 800x400x360mm
 Overall dimensions boiler with furnace HxLxW: 1270x400x360mm



Bathroom boiler 80L non-insulated

Bathroom boiler 60L non-insulated

The cylindrical ELTIM 80L NON-INSULATED bathroom boiler is designed to produce hot water using solid fuel combustion (wood, wood scraps, charcoal, coke, briquettes, sawdust).

The boiler is made out of welded steel. It is made out of two pressed metal sheet lids, one sheet shell plate, a vertical flue pipe, outlet pipe and water inlet pipe with 1/2" external threads, all welded together in shielding gas. After welding, the tank is subjected to a sealing pressure test of 12 bars.

The inner surface of the boiler is phosphate coated, and the outer surface is painted in different colors with electrostatic powder.

ELTIM 80L NON-INSULATED bathroom boiler meets the requirements of the Low-Pressure Directive.

Assembly has to be made with a safety valve set to 6 bars.

Recommendations

It is recommended that this boiler be installed on the furnaces ELTIM type H2, H3, H4, or sawdust furnace.

TECHNICAL SPECIFICATIONS:

Boiler capacity: 80L
 Number of smoke tubes: 1pcs
 Max. water pressure: 6 bars
 Max. temp. of hot water: 90°C
 Yield: up to 80%
 Diameter of furnace ring: 340mm
 Diameter of chimney: 120mm
 Tube inlet cold water: 1/2" inch outside
 Tube outlet hot water: 1/2" inch outside
 Recommended safety valve: 6 bars
 Weight: 27kg
 Overall dimensions HxD: 1050x350mm
 Overall dimensions boiler with furnace HxLxW: 1520x470x440mm



Bathroom Boilers



TECHNICAL SPECIFICATIONS:

Boiler capacity: 80L
 Number of smoke tubes: 1pcs
 Max. water pressure: 6 bars
 Max. temp. of hot water: 90°C
 Yield: up to 80%
 Diameter of furnace ring: 340mm
 Diameter of chimney: 120mm
 Tube inlet cold water: 1/2" inch outside
 Tube outlet hot water: 1/2" inch outside
 Recommended safety valve: 6 bars
 Weight: 21kg
 Overall dimensions HxD: 1050x350mm
 Overall dimensions boiler with furnace HxLxW:
 1520x470x440mm

The cylindrical ELTIM 80L NON-INSULATED STAINLESS STEEL bathroom boiler is designed to produce hot water using solid fuel combustion (wood, wood scraps, charcoal, coke, briquettes, sawdust).

The boiler is made out of welded stainless steel. It is made out of two pressed stainless steel sheet lids, one sheet shell plate, a vertical flue pipe, outlet pipe and water inlet pipe with 1/2" external threads, all welded together in shielding gas. After welding, the tank is subjected to a sealing pressure test of 12 bars.

ELTIM 80L NON-INSULATED STAINLESS STEEL bathroom boiler meets the requirements of Low-Pressure Directive.

Assembly has to be made with a safety valve set to 6 bars.

Recommendations

It is recommended that this boiler be installed on the furnaces ELTIM type H2, H3, H4, or sawdust furnace.

Bathroom boiler 80L non-insulated stainless steel

The cylindrical ELTIM 90L NON-INSULATED bathroom boiler is designed to produce hot water using solid fuel combustion (wood, wood scraps, charcoal, coke, briquettes, sawdust). The tank of the bathroom boiler is welded, with three smoke pipes and protected through internal and external galvanization. The outer surface of the boiler is protected with powder coating in various colors (white, brown, gray, etc). Cold water and hot water joints are 1" thread.

Assembly has to be made with a safety valve set to 6 bars.

Recommendations

It is recommended that this boiler be installed on the ELTIM furnaces type H2, H3, H4, or sawdust furnace.

Bathroom boiler 90L non-insulated

TECHNICAL SPECIFICATIONS:

Boiler capacity: 90L
 Number of smoke tubes: 3pcs
 Max. water pressure: 6 bars
 Max. temp. of hot water: 90°C
 Yield: up to 80%
 Diameter of furnace ring: 340mm
 Diameter of chimney: 140mm
 Tube inlet cold water: 1" inch inside
 Tube outlet hot water: 1" inch outside
 Recommended safety valve: 6 bars
 Weight: 33kg
 Overall dimensions HxLxW:
 1160x400x360mm
 Overall dimensions boiler with furnace HxLxW:
 1630x470x440mm



The ELTIM 90L INSULATED bathroom boiler has a cylindrical shape and is designed to produce domestic hot water, using solid fuel combustion (wood, wood scraps, charcoal, coke, briquettes, sawdust).

The pressure tank of the bathroom boiler is welded, and is the only one on the market that is protected internally and externally through galvanization. After welding, the tank is subjected to a sealing test of 12 bars pressure.

The outer shell of the boiler is made out of powder-coated tin, painted white or brown in an electro-static field.

The thermal insulation, made with mineral wool, is coated with aluminum foil.

The ELTIM 90L INSULATED bathroom boiler meets the requirements of the Low-Pressure Directive.

It has a multiple adapter chimney (110/140 mm), thermometer, and baffles to clean the smoke pipes.

Assembly has to be made with a safety valve set to 6 bars.

Recommendations

It is recommended that this boiler be installed on the ELTIM furnaces type H3, H4, or sawdust furnace.

Colors

White Brown



TECHNICAL SPECIFICATIONS:

Boiler capacity: 90L
 Number of smoke tubes: 3pcs
 Max. water pressure: 6 bars
 Max. temp. of hot water: 90°C
 Yield: up to 90%
 Diameter of furnace ring: 340mm
 Diameter of chimney: 110/140mm
 Tube inlet cold water: 1" inch inside
 Tube outlet hot water: 1" inch outside
 Recommended safety valve: 6 bars
 Weight: 51kg
 Overall dimensions HxD: 1160x440mm
 Overall dimensions boiler with furnace HxLxW: 1630x470x440mm



Bathroom boiler 90L insulated 2 sources

Bathroom boiler 90L insulated

Colors

White Brown



TECHNICAL SPECIFICATIONS:

Boiler capacity: 90L
 Number of smoke tubes: 3pcs
 Max. water pressure: 6 bars
 Max. temp. of hot water: 90°C
 Yield: up to 90%
 Diameter of chimney: 110/140mm
 Diameter of furnace ring: 340mm
 Tube inlet cold water: 1" inch inside
 Tube outlet hot water: 1" inch outside
 Pressure/Electrical power: 230Vca/2000W
 Recommended safety valve: 6 bars
 Weight: 52kg
 Overall dimensions HxLxW: 1160x500x440mm
 Overall dimensions boiler with furnace HxLxW: 1630x500x440mm

The ELTIM 90L INSULATED BATHROOM BOILER WITH 2 SOURCES has a cylindrical shape and is designed to produce domestic hot water, using solid fuel combustion (wood, wood scraps, charcoal, coke, briquettes, sawdust).

The boiler is equipped with a thermostatically controlled electric resistance, thus heating the water by relying on electrical energy.

The pressure tank of the bathroom boiler is welded, and is the only one on the market that is protected internally and externally through galvanization. After welding, the tank is subjected to a sealing test of 12 bars pressure.

The outer shell of the boiler is made out of powder-coated tin, painted white or brown in an electro-static field.

The thermal insulation, made out of mineral wool, is coated with aluminum foil.

The electrical system consists of electrical resistance, thermostat probe, and signal light.

The ELTIM INSULATED BATHROOM BOILER WITH 2 SOURCES meets the requirements of the Low-Pressure Directive.

It has a multiple adapter chimney (110/140 mm), thermometer, and baffles to clean the smoke pipes.

Assembly has to be made with a safety valve set to 6 bars.

Recommendations

It is recommended that this boiler be installed on the ELTIM furnaces type H3, H4, or sawdust furnace.

Bathroom Boilers

Colors

White

Brown

TECHNICAL SPECIFICATIONS:

Boiler capacity: 90L
 Number of smoke tubes: 3pcs
 Max. water pressure: 6 bars
 Max. temp. of hot water: 90°C
 Diameter of chimney: 110/140mm
 Diameter of furnace ring: 340mm
 Nipple inlet cold water, nipples inlet-outlet coil: 1" inch inside
 Tube outlet hot water: 1" inch outside
 Pressure/Electrical power for heating resistance: 230Vca/2000W
 Maximum area of the room to be heated: 50sqm
 Flow of domestic hot water at $\Delta T=40^{\circ}\text{C}$ at 6l/min
 Yield: up to 90%
 Recommended safety valve: 3 bars for central heating,
 6 bars for domestic hot water
 Weight: 65kg
 Overall dimensions boiler HxLxW: 1160x500x440mm
 Overall dimensions boiler with furnace HxLxW: 1630x500x440mm

The ELTIM 90L INSULATED BATHROOM BOILER WITH 2 SOURCES AND 2 CIRCUITS has a cylindrical shape and is designed to produce domestic hot water, using solid fuel combustion (wood, wood scraps, charcoal, coke, briquettes, sawdust). The boiler is equipped with an indoor coil and a thermostatically controlled electric resistance.

The pressure tank of the bathroom boiler is welded and has three smoke tubes. It is the only one on the market that is protected internally and externally through galvanization. After welding, the tank is subjected to a sealing test of 12 bars pressure.

The outer shell of the boiler is made out of powder-coated tin, painted white or brown in an electrostatic field.

The thermal insulation, made out of mineral wool, is coated with aluminum foil.

The electrical system consists of electrical resistance, thermostat probe, and signal light.

As drinking water from the water-supply network or hydrofor passes through the coil inside the boiler, it is heated up and turned into domestic hot water.

The INSULATED ELTIM BATHROOM BOILER WITH 2 SOURCES AND 2 CIRCUITS meets the requirements of the Low-Pressure Directive.

It has a multiple adapter for the chimney (110/140 mm), thermometer, and baffles to clean the smoke pipes.

Assembly has to be made with a safety valve set to 6 bars. If it will be used as part of a central heating mechanism, the assembly has to be made with a safety valve adjusted to 3 bars.

Recommendations

It is recommended that this boiler be installed on the ELTIM furnaces type H3, H4, or sawdust furnace.

Bathroom boiler 90L insulated 2 sources 2 circuits 3-tubes

Bathroom boiler 90L insulated 6-tubes

The ELTIM 90L INSULATED BATHROOM BOILER WITH 6 TUBES, 2 SOURCES AND 2 CIRCUITS has a cylindrical shape and is designed to produce domestic hot water, using solid fuel combustion (wood, wood scraps, charcoal, coke, briquettes, sawdust). The boiler is equipped with an indoor coil and a thermostatically controlled electric resistance.

The pressure tank of the bathroom boiler is welded and features three smoke tubes. It is the only one on the market that is protected internally and externally through galvanization. After welding, the tank is subjected to a sealing test of 12 bars pressure.

The outer shell of the boiler is made out of powder-coated tin, painted white or brown in an electrostatic field.

The thermal insulation, made of mineral wool, is coated with aluminum foil.

The electrical system consists of electrical resistance, thermostat probe, and signal light.

As drinking water from the water-supply network or hydrofor passes through the coil inside the boiler, it is heated up and turned into domestic hot water.

The ELTIM INSULATED BATHROOM BOILER WITH 6 TUBES, 2 SOURCES AND 2 CIRCUITS meets the requirements of the Low-Pressure Directive.

It is equipped with an adaptor for the chimney (140 mm), thermomanometer, and a cleaning device to clean the smoke pipes.

Assembly has to be made with a safety valve set to 6 bars. If it will be used as part of a central heating mechanism, the assembly has to be made with a safety valve adjusted to 3 bars.

Recommendations

It is recommended that this boiler be installed on the ELTIM furnaces type H5.

TECHNICAL SPECIFICATIONS:

Boiler capacity: 90L
 Number of smoke tubes: 6pcs
 Max. water pressure: 6 bars
 Max. temp. of hot water: 90°C
 Diameter of chimney: 140mm
 Diameter of furnace ring: 340mm
 Nipple inlet cold water, nipples inlet-outlet coil: 1" inch inside
 Tube outlet hot water: 1" inch outside
 Pressure/Electrical power for heating resistance: 230Vca/2000W
 Maximum area of the room to be heated: 90sqm
 Flow of domestic hot water at $\Delta T=40^{\circ}\text{C}$ at 8l/min
 Yield: up to 90%
 Recommended safety valve: 3 bars for central heating,
 6 bars for domestic hot water
 Weight: 63kg
 Overall dimensions boiler HxLxW: 880x640x580mm
 Overall dimensions boiler with furnace H5
 HxLxW: 1420x640x580mm



The ELTIM 200L 6-TUBE INSULATED bathroom boiler has a cylindrical shape and is designed to produce domestic hot water, using solid fuel combustion (wood, wood scraps, charcoal, coke, briquettes, sawdust).

The pressure tank of the bathroom boiler is made out of welded steel and has six smoke tubes. It is the only one on the market that is protected internally and externally through galvanization. After welding, the tank is subjected to a sealing test of 12 bars pressure.

The outer shell of the boiler is made out of powder-coated tin, painted white or brown in an electrostatic field.

The thermal insulation, made of mineral wool, is coated with aluminum foil.

The ELTIM 200L 6-TUBE INSULATED bathroom boiler meets the requirements of the Low-Pressure Directive.

It is equipped with an adaptor for the chimney (140 mm), thermomanometer, and a cleaning device to clean the smoke pipes.

Assembly has to be made with a safety valve set to 6 bars.

Recommendations

It is recommended that this boiler be installed on the ELTIM furnaces type H5.

We can execute 200L bathroom boilers, equipped with one or two coils as well as with electrical resistances (max. 6kw).

Colors

White

Brown

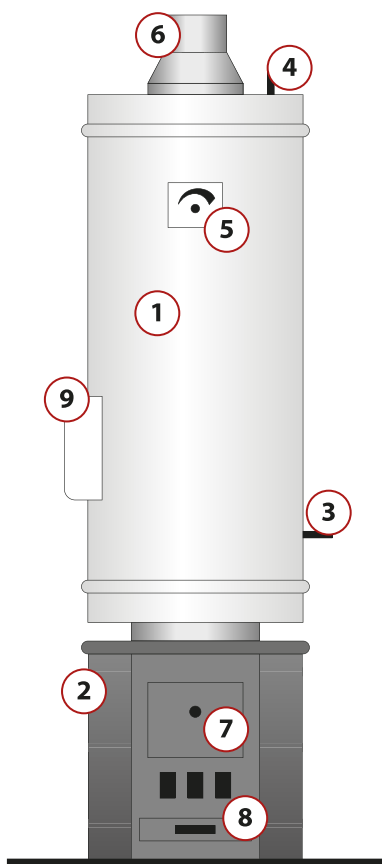
TECHNICAL SPECIFICATIONS:

Boiler capacity: 200L
 Number of smoke tubes: 6pcs
 Max. water pressure: 6 bars
 Max. temp. of hot water: 90°C
 Diameter of chimney: 140mm
 Diameter of furnace ring: 340mm
 Tube inlet cold water: 1" inch inside
 Tube outlet hot water: 1" inch outside
 Yield: up to 90%
 Recommended safety valve: 6 bars
 Weight: 132kg
 Overall dimensions HxLxW: 1500x640x580mm
 Overall dimensions boiler with furnace H5 HxLxW: 2020x640x580mm



Parts of the bathroom boiler

Bathroom boiler 200L insulated 6-tubes



Legend

- ① Insulated boiler
- ② Furnace boiler
- ③ Cold water inlet
- ④ Hot water outlet
- ⑤ Thermometer
- ⑥ Smoke collector
- ⑦ Fireplace door
- ⑧ Ash collecting chamber
- ⑨ Electric mechanism chamber

Furnaces for Bathroom Boilers



The ELTIM furnaces for bathroom boilers have their shells made out of tin, lined internally with refractory material.

On the upper side, the furnaces have a ring, upon which the bathroom boiler will sit. The grate comes with a shaker (for variants H5 and H4) and the ash collecting chamber is made of tin. The outer side of the body, including the ash chamber, is protected by heat resistant black paint up to 600°C.

Available models based on height, diameter and the features of the hearth:

Type H2

The furnace is made of steel sheets. The fixed grate is made of cast iron.

Type H3

The furnace is made of steel sheets. The fixed grate is made of cast iron.

Type H4

The furnace is made of steel sheets. The grate and its support are made of cast iron. The grate is mobile and can be operated using the furnace shaker.

Type H5

The furnace is made of steel sheets. The grate and its support are made of cast iron. The grate is mobile and can be operated using the furnace shaker.



**Furnace
H5**

The boiler – furnace assembly for bathroom boilers can use various types of solid fuel for heating: wood, wood scraps, charcoal, briquettes, pellets, etc.

**Sawdust furnace
Product code: 1.D13.00.0000**



The best way to choose a furnace is by consulting the recommendations for your chosen central heating boiler or bathroom boiler.

Technical characteristics

	ELTIM Furnace Type H2	ELTIM Furnace Type H3	ELTIM Furnace Type H4	ELTIM Furnace Type H5
Product code	1.988.10.0004	1.988.10.0003	1.C98.00.0000	1.D45.00.0000
Overall dimensions HxLxW (mm)	470x390x370	470x445x442	470x470x442	530x650x550
Inner diameter of setting ring (mm)	340	340	340	340
Size of hopper (mm)	180x250	180x250	180x250	180x250
Fireplace volume (L)	19	25.5	28	57
Total surface of grate (dm ²)	3.9	3.9	6.3	6.3
Thickness of refractory insulation layer (mm)	30	30	35	35
Weight (kg)	28	36	39	50

Advantages

- Large opening for inserting the fuel.
- Can accommodate large pieces of wood.
- Large fireplace.
- Long-lasting and compact refractory lining.

Galvanized setting ring upon which the boiler sits.

Very good circulation, especially for furnaces H4 and H5.

The entire base area of the fireplace is made out of cast iron (for furnaces H4 and H5).

The mobile grate, operated with a shaker, helps evacuate the ash and thus increases the circulation.

The heat-resistant paint guarantees the long-lasting and attractive look of the furnace.

Water Heaters



ELTIM electric water heating boilers are designed to heat water using electrical resistance and to maintain it at a temperature selected by the user, between 20°C and 70°C.

The best way to choose an electrical heater is by consulting the technical and functional features outlined in the tables.

Electric boilers have a cylindrical shape and consist of:

Tank

Made of steel sheets, resistant up to 6 bars pressure (tested on 12 bar), galvanized internally and externally.

Thermal insulation

Made of mineral wool, coated with aluminum foil.

Electrical installation

Composed of 2000W electrical resistance, temperature regulator (thermostat) and signal light.

The outer shell (jacket)

Made of tin, protected with electrostatic powder coating in white.

Technical characteristics

	B7	B15	B30	B50	B85	B100	B200
Product code	1.C85.00.0000	1.C47.00.0000	1.C88.00.0000	1.B83.00.050L	1.B83.00.085L	1.B83.00.100L	1.B90.00.0001
Tank capacity (L)	7	15	30	50	85	100	200
Time required for unit to heat up to 65°C (hours)	0.4	0.5	1.1	1.7	2.7	3.5	3.5
Static losses for 65°C (kWh/24h)	0.5	0.9	1.6	1.88	2.04	2.7	4
Power supply (V)/ signal frequency (Hz)	230/ 50	230/ 50	230/ 50	230/ 50	230/ 50	230/ 50	380/ 50
Power of electric resistance (kW)	2	2	2	2	2	2	3x2
Max. working pressure (bars)	atmospheric	6	6	6	6	6	6
Tank test pressure (bars)	12	12	12	12	12	12	12
Measurements of water connection (inch)	3/8	1/2	1/2	1/2	1/2	1/2	1
Boiler height (mm)	469	551	880	700	1030	1105	1740
Boiler diameter (mm)	254	320	320	450	450	450	533
Weight of the product (kg)	8.2	11	16.5	20.5	29.5	36	85
Inner protection of the tank	Galvanization	Galvanization	Galvanization	Galvanization	Galvanization	Galvanization	Galvanization
In-home set-up	Vertical on supports with wall fastening	Vertical on supports with wall fastening	Vertical on supports with wall fastening	Vertical on supports with wall fastening	Vertical on supports with wall fastening	Vertical on supports with wall fastening	Vertical on feet

The water heaters are protected through a thermo-regulator and combined safety valve set to 6 bars.

ELTIM electric water heaters are certified according to the Low-Voltage Directive.

Water heaters up to 100l are single phase, and the ones over 150 l are three-phase.

The 7l water heater is the only one which does not operate under pressure, allowing water to flow freely.

Advantages

Enhanced safety due to the materials chosen for the construction of the tanks.

Can keep water hot for 24 hours, due to the thermal insulation.

Because of increased protection through galvanization, the lifespan of the boiler is considerably longer, reducing the possibility of corrosion.

Easy to maintain and repair.

Our service network spans the entire country, guaranteeing prompt intervention in case of malfunction.

Heat Exchangers



Heat exchanger
100l

ELTIM heat exchangers are meant to produce, acquire and maintain domestic hot water, by relying on the heat generated by a thermal unit, solar panel, etc.

The tank capacity of ELTIM heat exchangers is between 50 and 400 liters.

The exchangers can be fitted with thermostatic electric resistances, in order to heat domestic water using electricity.

Heat exchangers of 50, 85 and 100 liters are mono-phase (2 kW resistance). Heat exchangers over 150 liters are triphase (with 3 resistors 2 kW).

The pressure tank is made of welded steel sheets and contains one or two coils. It is protected from corrosion through internal and external galvanization (including for the coils).

Heat exchanger
50l



The thermal insulation, made of mineral wool, is coated with aluminum foil.

The finish is achieved through electrostatic powder coating in white.

The product is protected against pressure by a safety valve set at 6 bars.

ELTIM exchangers comply with Low-Voltage Directives.

Advantages

Enhanced safety due to the materials chosen for the construction of the tanks.

Can keep water hot for 24 hours, due to the thermal insulation.

They can be used as electric water heaters, when the external heating agent is lacking.

Because of increased protection through galvanization, the lifespan of the boiler is considerably longer, reducing the possibility of corrosion.

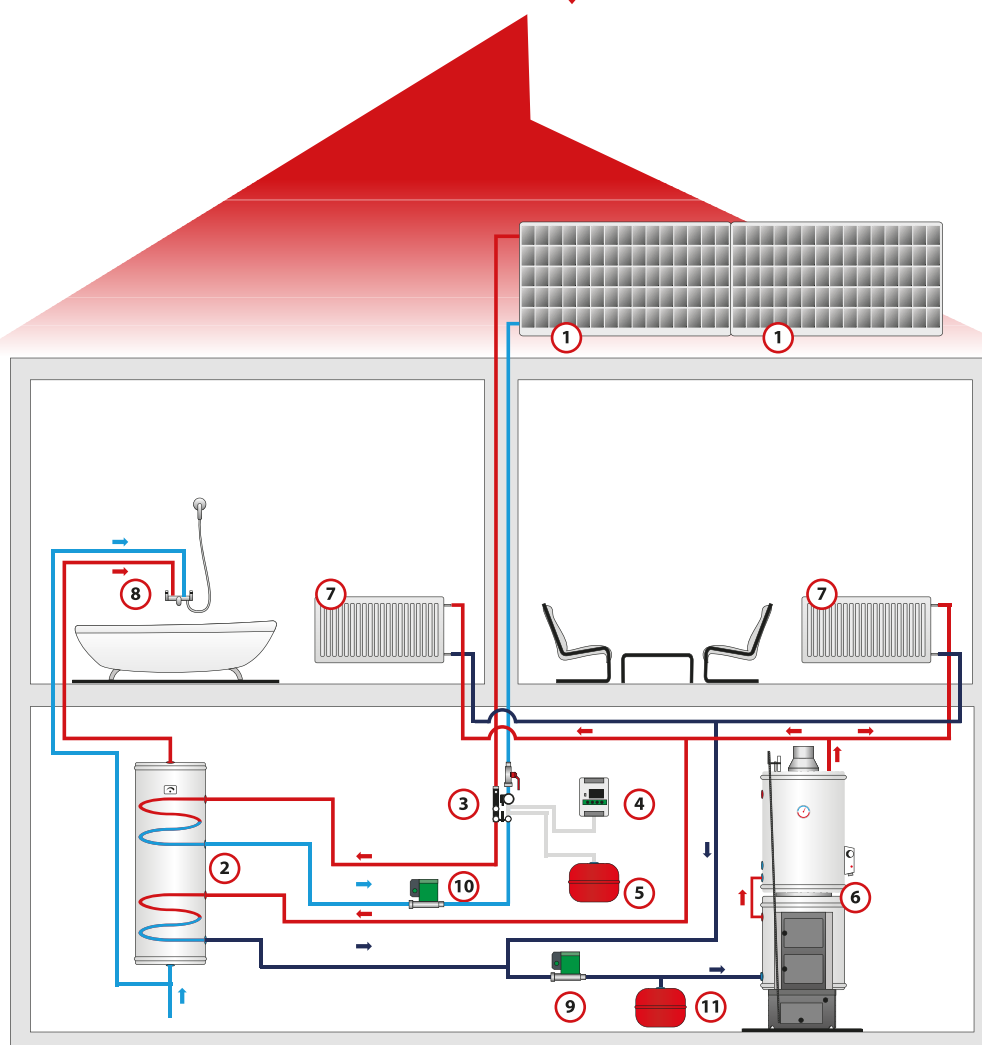
Easy to maintain and repair.

Our service network spans the entire country, guaranteeing prompt intervention in case of malfunction.

Technical characteristics

	SC 50	SC 85	SC 100	SC 150	SC 200
Product code	1.C53.00.0050	1.D18.00.085L	1.D18.00.100L	1.D24.00.150L	1.D24.00.200L
Capacity (L)	50	85	100	150	200
Exchange surface (sqm)	0.4	0.5	0.5	0.9	0.9
Nominal working pressure (bars)	6	6	6	6	6
Temp. of heating medium inlet (°C)	90	90	90	90	90
Temp. of domestic hot water outlet (°C)	65	65	65	65	65
Thermal power (kW)	12	12	12	15	18
Water volume in coil (L)	1.35	1.35	2	3.5	3.5
Power of electric resistance (kW) (for models with electrical heating)	2	2	2	3x2	3x2
Power supply (Vca)	230	230	230	400	400
Joint cold water, hot water (inch)	½	½	½	1	1
Number of coils (pcs)	1	1	1	1 or 2	1 or 2
Joint coil (inch)	1	1	1	1	1
In-home set-up	Vertical with wall fastening	Vertical with wall fastening	Vertical with wall fastening	Vertical on feet	Vertical on feet

Heating and production of domestic hot water, using Torid plant, Eltim heat exchanger and solar panels



Legend

- 1 Solar panel
- 2 Heat exchanger with two coils, Eltim
- 3 Hydraulic plant
- 4 Automation elements
- 5 Expansion vessel for solar panels circuit
- 6 Central heating boiler, Torid Eltim type
- 7 Radiators
- 8 Bathtub
- 9 Recirculation pump for heating device
- 10 Solar circuit pump
- 11 Expansion vessel for heating circuit

Heat Economizers

Heat economizer
with plate
Product code: 1.D13.00.RECU



Insulated
heat economizer 15l
Product code: 1.C83.00.0000



Non-insulated
heat economizer 15l
Product code: 1.C83.00.0001

ELTIM heat economizers fall into two categories:

enclosed spaces
(with plate).

Those designed to produce domestic hot water using smoke generated from cooking stoves or from heating stoves with solid or liquid fuel (heat economizers with 15 liter tanks).

Heat economizers with 15 liters tanks are made of welded steel sheets.

They are protected against corrosion by hot galvanization or phosphate coating.

The ones that are phosphate coated are protected externally with heat-resistant paint.

The ones that are galvanized are insulated with mineral wool and finished with electrostatic coating paint.

Protection against overpressure is provided by a safety valve set at 6 bars.

Water inlet-outlet connections have ½ inch threads.

The diameter of the connection to the chimney is 110mm or 120mm.

Heat economizers featuring a plate rest atop ELTIM furnaces type H2, H3, H4 or sawdust stove. The heat generated by the combustion of solid fuel inside the stove is released into the room through the heat economizer area with vertical pipes. The plate of the exchanger can be used for heating and cooking.

Hydrophores



ELTIM vertical hydrophores ensure the continuous supply of cold water to plumbing installations in buildings that are not connected to the water network, or where the network does not provide the required pressure or consumption levels exceed the network's flow capacity.

The hydrophores work by creating and maintaining an air pressure buffer in a tank, at the activation/deactivation of the pressure switch depending on the choice of the consumer. An intermittent electric pump absorbs water from the source (well, etc.) and supplies the tank with water.

The **pressure switch** is the control element of the product, activating or deactivating the power supply. Pressure settings range between 1.5 and 4 bars.

The **tank** is made of steel sheets resistant up to 6 bars pressure (tested on 12 bars), galvanized internally and externally.

The **electric pump** provides water flow to a depth of up to 9m water gauge.

The hydrophore is equipped with a **pressure gauge** to check the pressure in the device.

ELTIM hydrophores are certified according to the production standard SR-EN 60335-1:2001.

Technical characteristics

	H48	H85	H200
Product code	1.C08.48.PDLO	1.C08.00.PDLO	1.C76.00.00JA
Tank capacity (L)	48	85	200
Power supply (V)/ signal frequency (Hz)	230/ 50	230/ 50	230/ 50
Power of engine (kW)	0.65-1	0.65-1	1.1
Working pressure (bars)	1.5-4	1.5-4	1.5-4
Max. pumping height (m)	30-35	30-35	52-62
Min. flow (L/min)	30	30	20-80
Suction depth * (m)	7-9	7-9	25-30
Pressure joints (inch)	1	1	1
Suction joints (inch)	1	1	1½

Advantages

Because of increased protection through galvanization, the lifespan of the boiler is considerably longer, reducing the possibility of corrosion.

Easy to maintain and repair.

ELTIM hydrophores do not need rubber bellows to provide an air buffer, thus eliminating the element that causes most malfunctions.

Our service network spans the entire country, guaranteeing prompt intervention in case of malfunction.

* Depending on the type of electric pump, suction capabilities can reach 30-40m.



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