

ELECTRIC WATER HEATERS

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Ø470mm



Electric storage water heaters

Premium Line

vertical models



Precise electronic control



Magnesium anode



Anode tester



High efficient thermo-insulation

MODEL	Rated voltage	Rated power	Installation	Capacity	Diameter	Working pressure	Protection of the tank
GCV 8047 20 P61/P62	230V-50Hz	2000W / 3000W	Vertical	80L	470mm	0.8MPa	Glass ceramic
GCV 10047 30 P61/P62	230V-50Hz	2000W / 3000W	Vertical	100L	470mm	0.8MPa	Glass ceramic
GCV 12047 20 P61/P62	230V-50Hz	2000W / 3000W	Vertical	120L	470mm	0.8MPa	Glass ceramic
GCV 15047 20 P61/P62	230V-50Hz	2000W / 3000W	Vertical	150L	470mm	0.8MPa	Glass ceramic

The design and the technical data specified in the catalogue are subject of change without notice.

- ❑ **PISTON effect:** Premium Line water heaters are equipped with new developed cold water nozzle (Patent - pending). This innovation is designed to reduce the mix between the hot and cold water inside the water tank. By reducing the velocity of the incoming cold water, the nozzle creates so called PISTON effect and ensures up to 15 % more hot water.
- ❑ **Glass-ceramic protection**
- ❑ **Electronic control / Mechanical control:**
 - Accurate electronic thermostat
 - Precise settings of the maximum temperature (accuracy $\pm 1^{\circ}\text{C}$)
 - Digital thermoindicator with accuracy $\pm 1^{\circ}\text{C}$ (LED display)
 - ON/OFF switch
 - Anode tester (checks the Magnesium anode status)
 - Self-Diagnostic system and alarm indication
- ❑ **Digital thermoindicator / Analog thermoindicator**
- ❑ **Magnesium anode with 5 years of useful life + Anode tester:** TESI Premium Line electric storage water heaters are equipped with Anode tester which is a helpful device showing the real condition of the anode and the necessity of its replacement. The magnesium anode protects the water heater tank from electrochemical corrosion.
- ❑ **High efficient thermo-insulation:** Efficient thermo-insulation from high density CFC-free polyurethane with 32mm thickness guarantees minimum heat losses and energy saving operation.
- ❑ **Outgoing hot-water stainless steel outlet**
- ❑ **Incoming cold-water diffuser**
- ❑ **Flange allowing easy maintenance of the water heater**
- ❑ **Safety valve**



All models are equipped with anti-freezing protection, thermal cut off and light indicator Switch ON/OFF.

Insulation	Switch ON/OFF	Heating time from 15°C to 65°C	Thermo-indicator	Safety valve	Product dimensions			Weight (net)
					H	W	D	
32mm	Yes	2h 20' / 1h 33'	Yes	Yes	0.776m	0.470m	0.480m	25.2kg
32mm	Yes	2h 55' / 1h 57'	Yes	Yes	0.924m	0.470m	0.480m	28.4kg
32mm	Yes	3h 30' / 2h 20'	Yes	Yes	1.085m	0.470m	0.480m	34.8kg
32mm	Yes	4h 21' / 2h 54'	Yes	Yes	1.310m	0.470m	0.480m	38.5kg

- ☐ Electric storage water heaters
- ↳ Premium Line
- ↳ vertical models with serpentine



Serpentine



Magnesium anode



Anode tester

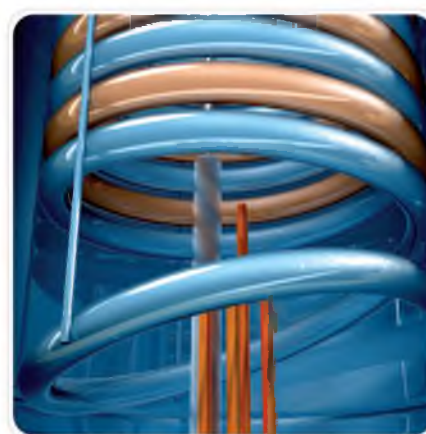


Adjustable thermostat



High efficient thermo-insulation

- ❑ **PISTON effect:** Premium Line water heaters are equipped with new developed cold water nozzle (Patent - pending). This innovation is designed to reduce the mix between the hot and cold water inside the water tank. By reducing the velocity of the incoming cold water, the nozzle creates so called PISTON effect and ensures up to 15 % more hot water.
- ❑ **Turbolator:** Unique technical innovation with no analog on the market!
 The TURBOLATOR is integrated inside the serpentine and has specific perforation designed to intersperse the heating transfer fluid and to provide better efficiency. It ensures higher energy yield from the serpentine. Heat exchanger with integrated TURBOLATOR could produce up to 26 % higher power output and ensures faster heating of the water. The TURBOLATOR is integrated in all TESI water heaters up to 150 l.
- ❑ **Serpentine:** Economic, effective and reliable hot water heat exchanger, designed for connection to local or other heating installation with forced circulation heating system (closed type).
- ❑ **2 pcs thermo pockets for thermo sensors:** Available for the models with two integrated heat exchangers.
- ❑ **Glass-ceramic protection of the water tank:** TESI electric storage water heaters are produced by the latest modern technology of glass-ceramic coating of the water tank. The glass-ceramic protection assures reliable protection against corrosion together with perfect hygiene of the water and guarantees long useful life of the water tank.
- ❑ **Adjustable thermostat:** Adjustable thermostat with 4 temperature settings
- ❑ **Magnesium anode with 5 years of useful life + Anode tester:** TESI Premium Line electric storage water heaters are equipped with Anode tester which is a helpful device showing the real condition of the anode and the necessity of its replacement. The magnesium anode protects the water heater tank from electrochemical corrosion.
- ❑ **High efficient thermo-insulation:** Efficient thermo-insulation from high density CFC-free polyurethane with 32 mm thickness guarantees minimum heat losses and energy saving operation.
- ❑ **Outgoing hot-water stainless steel outlet**
- ❑ **Flange allowing easy maintenance of the water heater**
- ❑ **Safety valve**



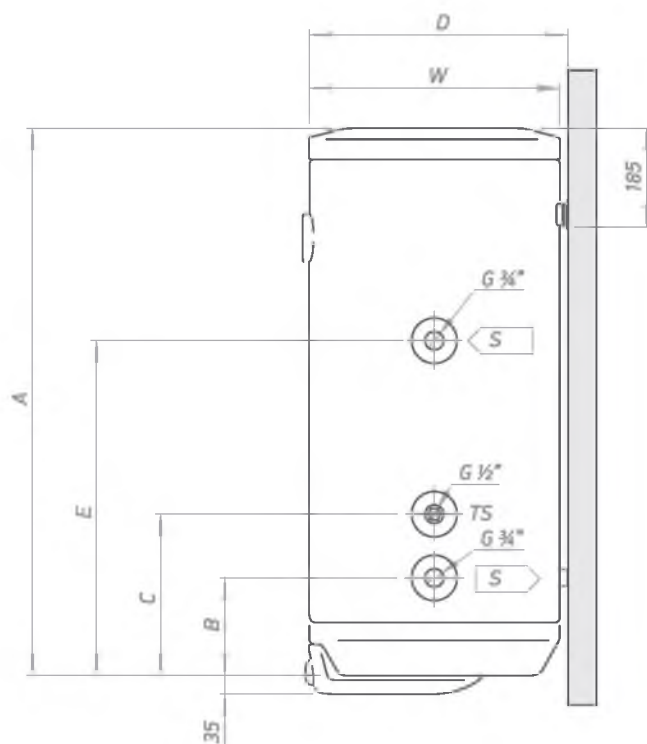
All models are equipped with anti-freezing protection, thermal cut off and light indicator Switch ON/OFF.

Electric storage water heaters

Premium Line

vertical models with serpentine

Premium Line with one heat exchanger



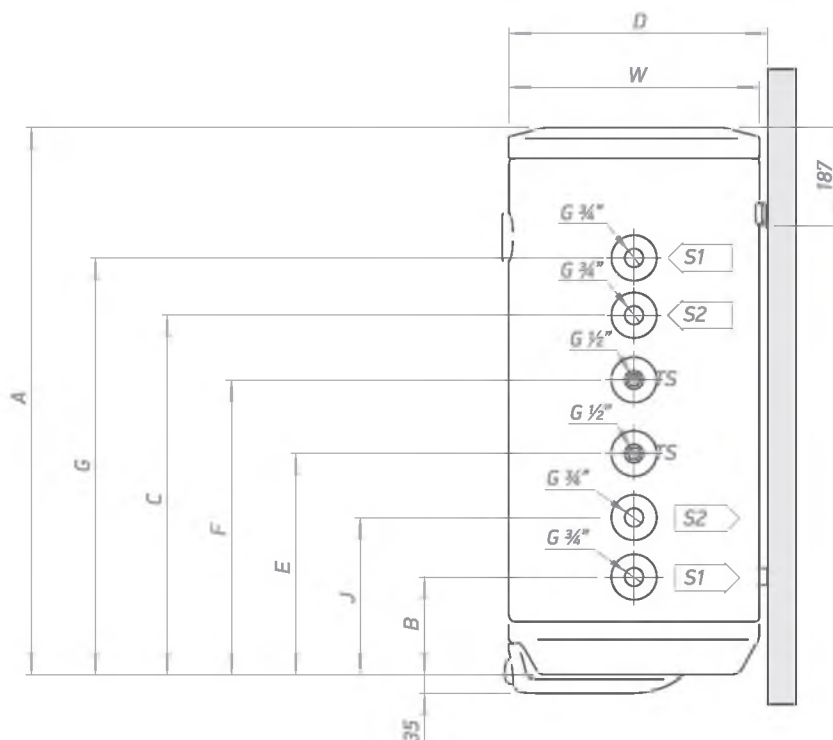
	A [±5mm]	B [±5mm]	C [±5mm]	E [±5mm]
GCV 9S 12047 20 P61 TSRAP TURBO	1025mm	182mm	312mm	627mm
GCV 9S 15047 20 P61 TSRAP TURBO	1250mm	182mm	312mm	627mm

MODELS with one heat exchanger	Rated voltage	Rated power	Installation	Capacity	Working pressure	Protection of the tank	Inlet/Outlet of the Heat Exchanger	Insulation
GCV 9S 12047 20 P61 TSRAP TURBO	230V~50Hz	2000W	Vertical	120L	0.8MPa	Glass ceramic	3/4"	32mm
GCV 9S 15047 20 P61 TSRAP TURBO	230V~50Hz	2000W	Vertical	150L	0.8MPa	Glass ceramic	3/4"	32mm

MODELS with two heat exchangers	Rated voltage	Rated power	Installation	Capacity	Working pressure	Protection of the tank	Inlet/Outlet of the Heat Exchanger	Insulation
GCV 7/4S2 10047 20 P61 TSRP2A TURBO	230V~50Hz	2000W	Vertical	100L	0.8MPa	Glass ceramic	3/4"	32mm
GCV 7/4S2 12047 20 P61 TSRP2A TURBO	230V~50Hz	2000W	Vertical	120L	0.8MPa	Glass ceramic	3/4"	32mm
GCV 7/4S2 15047 20 P61 TSRP2A TURBO	230V~50Hz	2000W	Vertical	150L	0.8MPa	Glass ceramic	3/4"	32mm

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Premium Line with
two heat exchangers



	A [±5mm]	B [±5mm]	C [±5mm]	E [±5mm]	F [±5mm]	G [±5mm]	J [±5mm]
GCV 7/4S2 10047 20 P61 TSRP2A TURBO	876mm	185mm	587mm	378mm	492mm	685mm	283mm
GCV 7/4S2 12047 20 P61 TSRP2A TURBO	1025mm	191mm	593mm	384mm	498mm	691mm	289mm
GCV 7/4S2 15047 20 P61 TSRP2A TURBO	1250mm	191mm	593mm	384mm	498mm	691mm	289mm

Thermo-indicator	Safety valve	Thermowell	Heating time from 15°C to 65°C		Heat exchanger Surface		Heat exchanger Output *60-80°C		Product dimensions [m]			Weight (net)
			S1	S2	S1	S2	S1	S2	H	W	D	
Yes	Yes	1 pcs	3h 30'		0.7m ²		18.8kW		1.059m	0.470m	0.480m	45.5kg
Yes	Yes	1 pcs	4h 20'		0.7m ²		19.3kW		1.285m	0.470m	0.480m	50.5kg

Thermo-indicator	Safety valve	Thermowell	Heating time from 15°C to 65°C		Heat exchanger Surface		Heat exchanger Output *60-80°C		Product dimensions [m]			Weight (net)
			S1	S2	S1	S2	S1	S2	H	W	D	
Yes	Yes	2 pcs	0h 36'	0h 48'	0.5m ²	0.3m ²	12.2kW	7.8kW	0.910m	0.470m	0.480m	41.9kg
Yes	Yes	2 pcs	0h 38'	0h 54'	0.5m ²	0.3m ²	13.3kW	8.1kW	1.059m	0.470m	0.480m	45.4kg
Yes	Yes	2 pcs	0h 42'	0h 54'	0.5m ²	0.3m ²	14.8kW	8.5kW	1.285m	0.470m	0.480m	54.7kg

* incoming-outgoing thermo transfer fluid in the heat-exchanger

L 800mm, 50L



Ø350mm

L 1095mm, 120L



Ø440mm

L 945mm, 100L



L 800mm, 80L



H 530mm, 30L



Ø350mm

H 800mm, 50L



H 1150mm, 80L



H 1310mm, 150L



H 566mm, 50L



Ø440mm

H 790mm, 80L



H 936mm, 100L



H 1090mm, 120L



TESY HOME



Electric storage water heaters > **BiLight**

Bigger and easy to handle regulating knob for setting the temperature of the water.



BiLight moisture proofs switch with indicator (on/off).
Two working modes visualized with color changing lights:

ready-to-use mode



heating mode



power ON/OFF



Electric storage water heaters

↳ BiLight

↳ vertical models



BiLight moisture proof switch



High efficient thermo-insulation

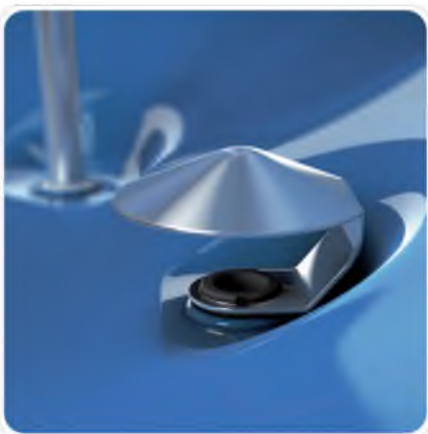


Adjustable thermostat



Magnesium anode

- ❑ **PISTON effect:** BiLight water heaters are equipped with new developed cold water nozzle (Patent - pending). This innovation is designed to reduce the mix between the hot and cold water inside the water tank. By reducing the velocity of the incoming cold water, the nozzle creates so called PISTON effect and ensures up to 15 % more hot water.
- ❑ **Glass ceramic protection:** TESI water heaters are made using super modern technology for glass ceramic coating of the internal surface of the water tank. Glass ceramic coating assured reliable protection against corrosion and guaranties long useful life of the water heaters.
- ❑ **Higher energy efficiency:** UP to 16 % less heat loss due to missing thermal bridge between the water tank and the mounting bracket.
- ❑ **BiLight moisture proof switch with indicator (on/off).** Two working modes visualized with color changing lights: HEATING MODE, READY-TO-USE MODE. Reliable electric system, guaranteed by the European safety standards.
- ❑ **Adjustable thermostat:** Bigger and easy to handle regulating knob for setting the temperature of the water
- ❑ **CFC-free insulation:** Highly efficient thermo-insulation from high density CFC-free polyurethane foam, which guarantees minimum heat loss and energy-saving operation.
- ❑ **Magnesium anode:** A larger magnesium anode with 50% longer useful life. It can be easily dismantled and replaced.
- ❑ **Flange:** Flange allowing free access to the electric group of the water heater so that the anode and the heating element can be easily replaced.

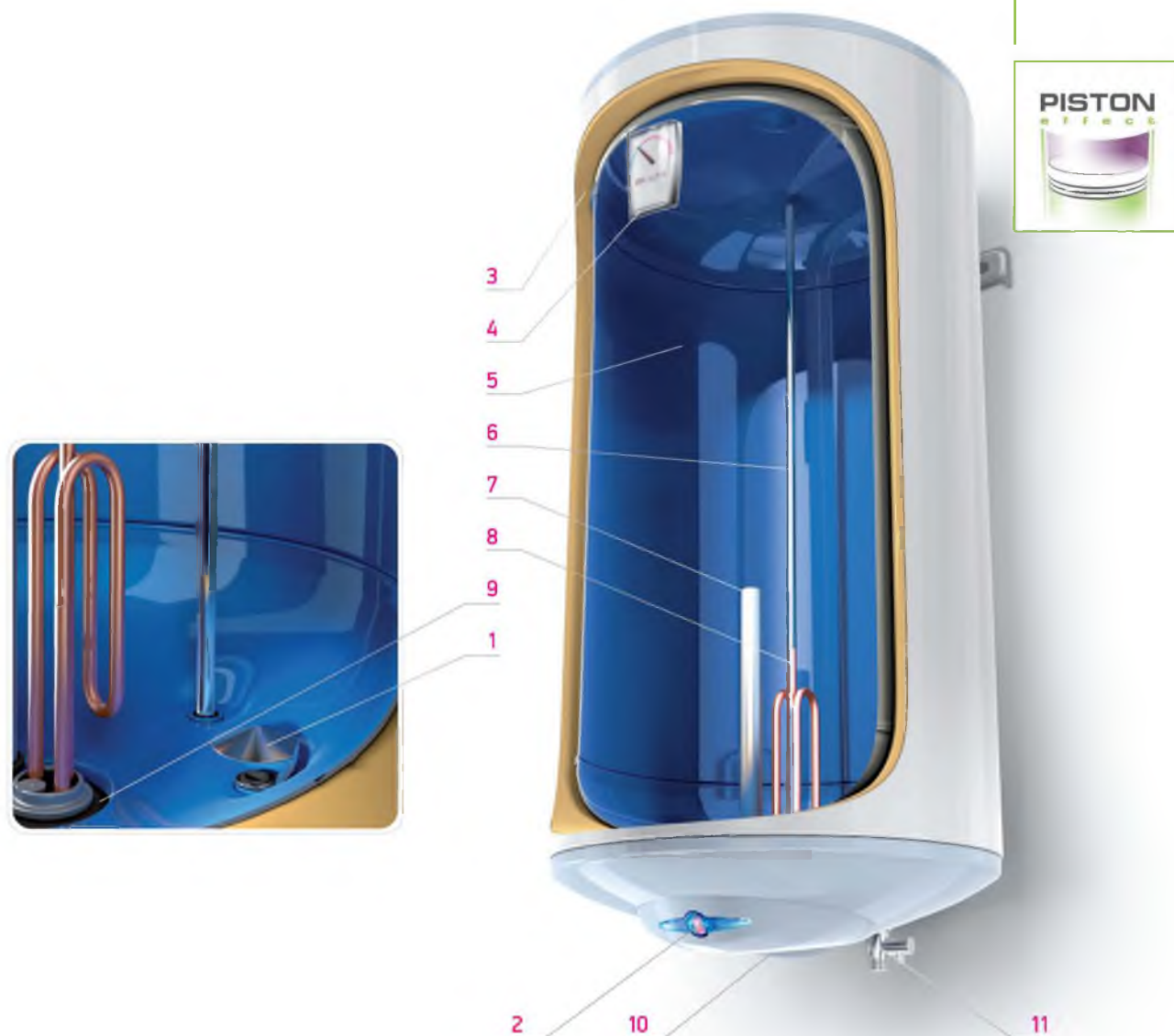


All models are equipped with anti-freezing protection, thermal cut off and light indicator Switch ON/OFF.

Electric storage water heaters

BiLight

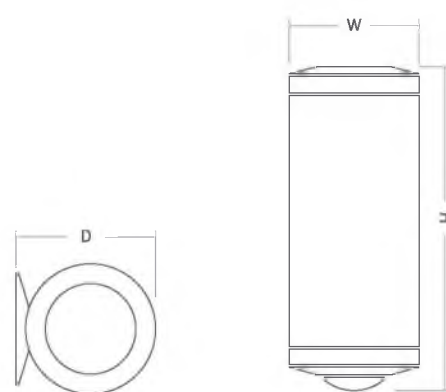
vertical models



MODEL	Rated voltage	Rated power	Capacity	Working pressure	Protection of the tank	Insulation	PISTON EFFECT : Maximum quantity of drawn off water MIX 40°C (**15-60°C) Power input cut off
GCV 3035 12 B11 TSR	230V-50Hz	1200W	30L	0.8MPa	Glass ceramic	18mm	48.3L
GCV 5035 20 B11 TSR	230V-50Hz	1500W / 2000W	50L	0.8MPa	Glass ceramic	18mm	92L
GCV 8035 20 B11 TSR	230V-50Hz	1500W / 2000W	80L	0.8MPa	Glass ceramic	18mm	146L
GCV 5044 20 B11 TSR	230V-50Hz	1500W / 2000W	50L	0.8MPa	Glass ceramic	18mm	87L
GCV 8044 20 B11 TSR	230V-50Hz	1500W / 2000W	80L	0.8MPa	Glass ceramic	18mm	132L
GCV 10044 20 B11 TSR	230V-50Hz	2000W / 3000W	100L	0.8MPa	Glass ceramic	18mm	157L
GCV 12044 20 B11 TSR	230V-50Hz	2000W / 3000W	120L	0.8MPa	Glass ceramic	18mm	211L
GCV 15044 20 B11 TSR	230V-50Hz	2000W / 3000W	150L	0.8MPa	Glass ceramic	18mm	267L

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- 1- Ingoing cold water inlet with patented PISTON EFFECT
- 2 - BiLight switch with two working modes
- 3 - High efficient CFC-free polyurethane thermo-insulation
- 4 - Thermoindicator
- 5 - Glass-ceramic protection of the water tank
- 6 - Outgoing hot-water stainless steel outlet
- 7 - Large magnesium anode
- 8 - Heating element
- 9 - Flange for easy cleaning of the water tank
- 10 - Thermostat with thermo protection
- 11 - Safety valve



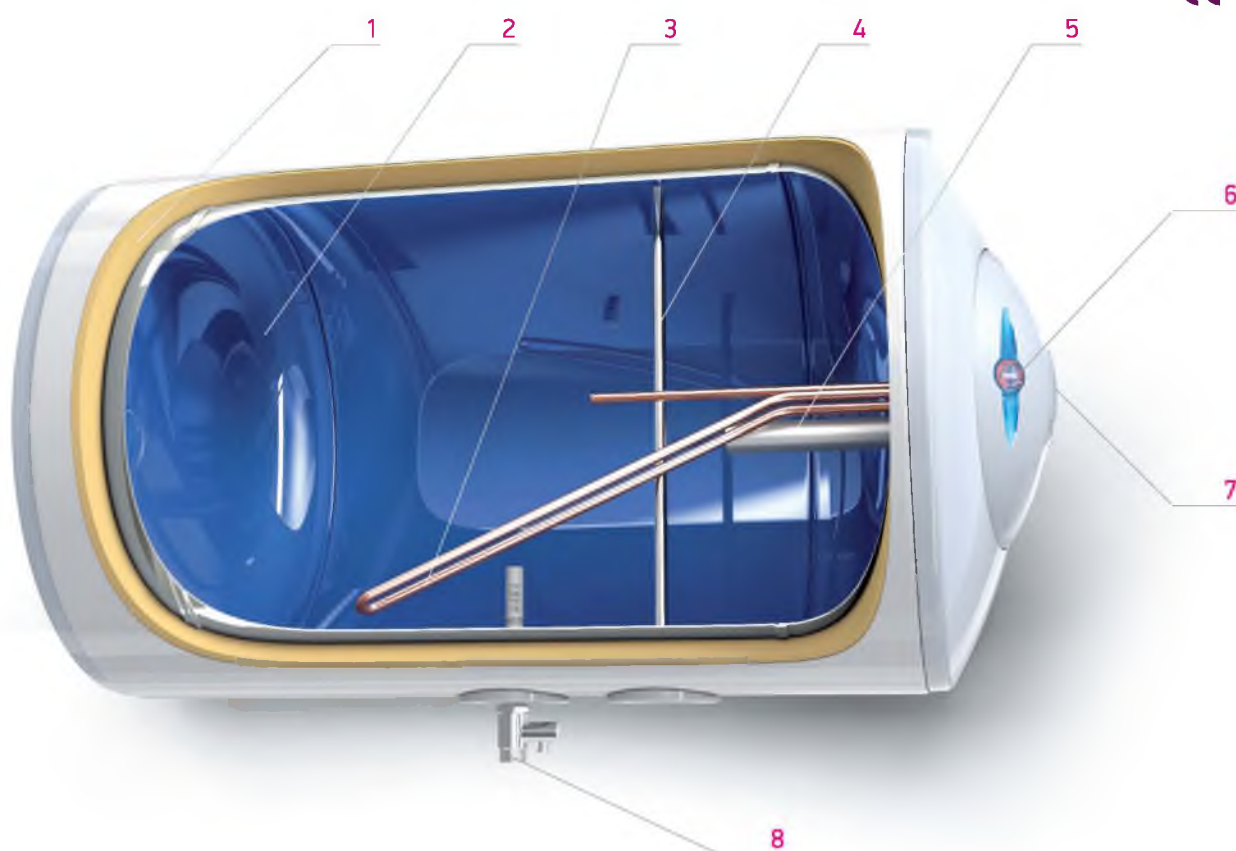
	Heating time from 15°C to 65°C	Switch On / Off	Adjustable thermostat	Magnesium anode	Anode tester	Safety valve	Product dimensions			Net weight	Installation
							H	W	D		
	1h 29'	Yes	Yes	Yes	No	Yes	0.530m	0.353m	0.370m	11.8kg	Vertical
	2h / 1h 27'	Yes	Yes	Yes	No	Yes	0.800m	0.353m	0.370m	17.7kg	Vertical
	3h 10' / 2h 20'	Yes	Yes	Yes	No	Yes	1.150m	0.353m	0.370m	23.3kg	Vertical
	2h / 1h 27'	Yes	Yes	Yes	No	Yes	0.566m	0.440m	0.460m	17.6kg	Vertical
	3h 10' / 2h 20'	Yes	Yes	Yes	No	Yes	0.790m	0.440m	0.460m	21.35kg	Vertical
	2h 55' / 1h 57'	Yes	Yes	Yes	No	Yes	0.936m	0.440m	0.460m	24kg	Vertical
	3h 30' / 2h 20'	Yes	Yes	Yes	No	Yes	1.090m	0.440m	0.460m	28kg	Vertical
	4h 21' / 2h 54'	Yes	Yes	Yes	No	Yes	1.310m	0.440m	0.460m	33.50kg	Vertical

** - 15°C - cold water temperature, 60°C - hot water temperature (domestic water)

Electric storage water heaters

↳ BiLight

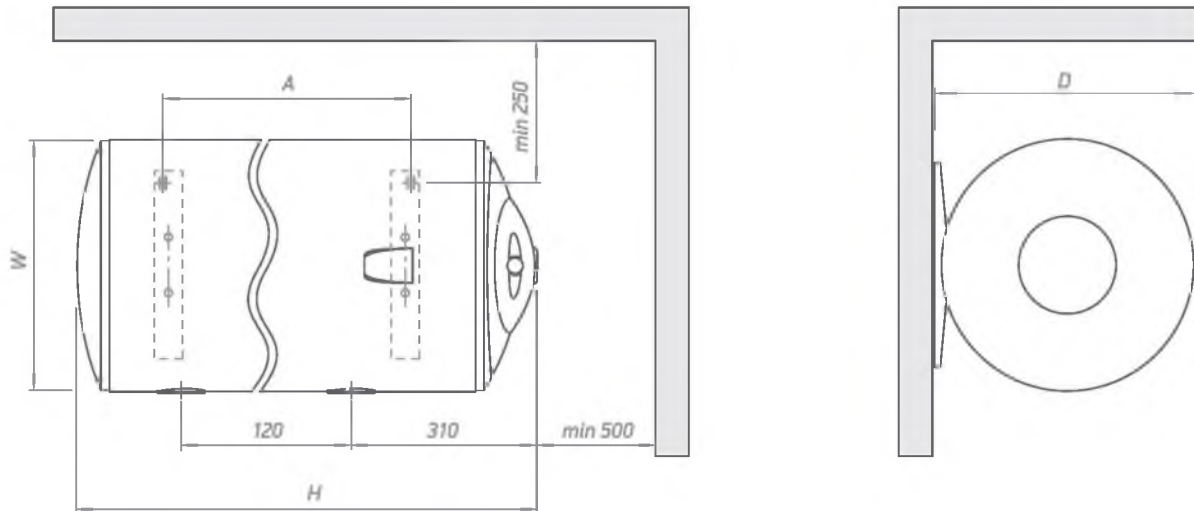
↳ horizontal models



MODEL	Rated voltage	Rated power	Capacity	Working pressure	Protection of the tank	Insulation	Heating time from 15°C to 65°C
GCH 503515 B12 TSR	230V-50Hz	1500W	50L	0.8MPa	Glass ceramic	18mm	2h
GCH 804420 B12 TSR	230V-50Hz	2000W	80L	0.8MPa	Glass ceramic	18mm	2h 20'
GCH 1004420 B12 TSR	230V-50Hz	2000W	100L	0.8MPa	Glass ceramic	18mm	2h 55'
GCH 1204420 B12 TSR	230V-50Hz	2000W	120L	0.8MPa	Glass ceramic	18mm	3h 30'

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- 1 - High efficient CFC-free polyurethane thermo-insulation
- 2 - Glass-ceramic protection of the water tank
- 3 - Heating element
- 4 - Outgoing hot-water stainless steel outlet
- 5 - Large magnesium anode
- 6 - BiLight switch with two working modes
- 7 - Thermostat with thermo protection
- 8 - Safety valve



Capacity	W	A [±5mm]
50L	353mm	411mm
80L	440mm	407mm
100L	440mm	552mm
120L	440mm	702mm

	Switch On / Off	Adjustable thermostat	Magnesium anode	Anode tester	Safety valve	Product dimensions			Net weight	Installation
						H	W	D		
	Yes	Yes	Yes	No	Yes	0.800m	0.353m	0.367m	20.00kg	Horizontal
	Yes	Yes	Yes	No	Yes	0.800m	0.440m	0.455m	24.55kg	Horizontal
	Yes	Yes	Yes	No	Yes	0.945m	0.440m	0.455m	28.50kg	Horizontal
	Yes	Yes	Yes	No	Yes	1.095m	0.440 m	0.455m	32.60kg	Horizontal

- ☐ Electric storage water heaters
 - ↳ BiLight
 - ↳ vertical models with serpentine



BiLight moisture proof switch



High efficient thermo-insulation



Adjustable thermostat



Magnesium anode

- ☐ **Turbolator:** Unique technical innovation with no analog on the market!
 The TURBOLATOR is integrated inside the serpentine and has specific perforation designed to intersperse the heating transfer fluid and to provide better efficiency. It ensures higher energy yield from the serpentine. Heat exchanger with integrated TURBOLATOR could produce up to 26 % higher power output and ensures faster heating of the water. The TURBOLATOR is integrated in all TESI water heaters up to 150 l.

- ❑ **PISTON effect:** BiLight water heaters are equipped with new developed cold water nozzle (Patent - pending). This innovation is designed to reduce the mix between the hot and cold water inside the water tank. By reducing the velocity of the incoming cold water, the nozzle creates so called PISTON effect and ensures up to 15 % more hot water.
- ❑ **Serpentine:** Economical, effective and reliable hot-water heating system designed for connecting to central heating or other similar type of local heating installation with closed type cycle of heating.
- ❑ **Double integrated serpentine** (only for models with two heat exchangers): Two separate serpentes allowing connection of the water heater to two different alternative power sources for simultaneous water heating.
- ❑ **Thermo sensor pocket:** The pocket allows the thermo sensor to collect information about the exact water temperature at the lowerest end of the serpentine and ensuring maximum precise control over the heat exchanger operation. With proper installation the system will gain maximum efficiency with minimum risk of over-heating.
- ❑ **Glass ceramic protection:** TESI water heaters are made using super modern technology for glass ceramic coating of the internal surface of the water tank. Glass ceramic coating assured reliable protection against corrosion and guaranties long useful life of the water heaters.
- ❑ **Higher energy efficiency:** UP to 16 % less heat loss due to missing thermal bridge between the water tank and the mounting bracket.
- ❑ **BiLight moisture proof switch** with indicator (on/off). Two working modes visualized with color changing lights: HEATING MODE, READY-TO-USE MODE. Reliable electric system, guaranteed by the European safety standards.
- ❑ **Adjustable thermostat:** Bigger and easy to handle regulating knob for setting the temperature of the water
- ❑ **CFC-free insulation:** Highly efficient thermo-insulation from high density CFC-free polyurethane foam, which guarantees minimum heat loss and energy-saving operation.
- ❑ **Magnesium anode:** A larger magnesium anode with 50% longer useful life. It can be easily dismantled and replaced.
- ❑ **Flange:** Flange allowing free access to the electric group of the water heater so that the anode and the heating element can be easily replaced.



All models are equipped with anti-freezing protection, thermal cut off and light indicator Switch ON/OFF.

Electric storage water heaters

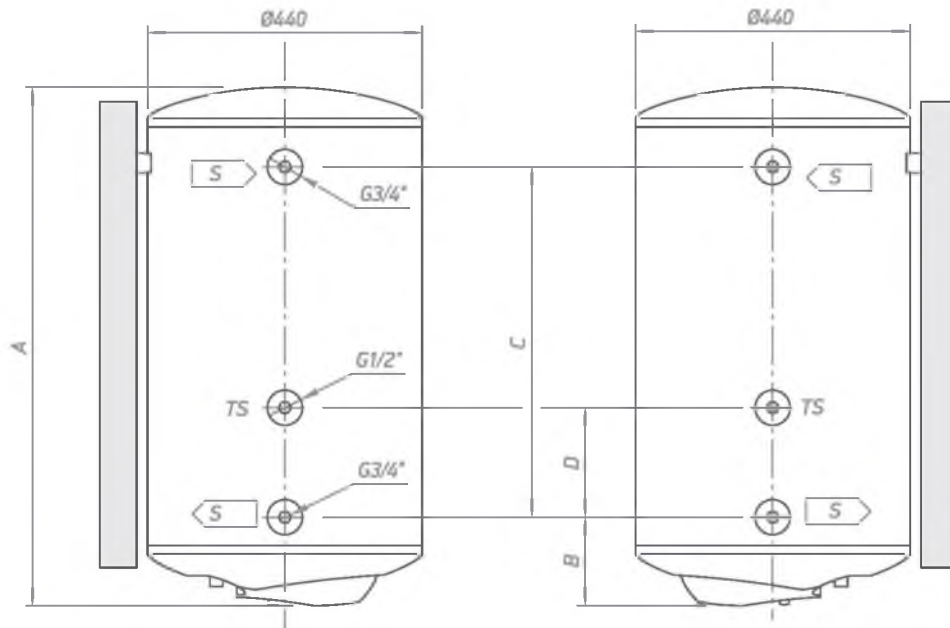
BiLight

vertical models with serpentine



MODEL	Rated voltage	Rated power	Capacity	Insulation	Heat exchanger surface	Heat exchanger capacity
GCVS (L) 8044 B11 TSR	230V-50Hz	1500W / 2000W / 3000W	80L	18mm	0.21m ²	0.92L
GCVS (L) 10044 B11 TSR	230V-50Hz	1500W / 2000W / 3000W	100L	18mm	0.28m ²	1.2L
GCVS (L) 12044 B11 TSRP	230V-50Hz	1500W / 2000W / 3000W	120L	18mm	0.28m ²	1.2L
GCVS (L) 15044 B11 TSRP	230V-50Hz	1500W / 2000W / 3000W	150L	18mm	0.28m ²	1.2L
GCV6S (L) 8044 B11 TSR	230V-50Hz	1500W / 2000W / 3000W	80L	18mm	0.45m ²	2.2L
GCV9S (L) 10044 B11 TSR	230V-50Hz	1500W / 2000W / 3000W	100L	18mm	0.7m ²	3.19L
GCV9S (L) 12044 B11 TSRP	230V-50Hz	1500W / 2000W / 3000W	120L	18mm	0.7m ²	3.19L
GCV9S (L) 15044 B11 TSRP	230V-50Hz	1500W / 2000W / 3000W	150L	18mm	0.7m ²	3.19L

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	A [±5mm]	B [±5mm]	C [±5mm]	D [±5mm]
GCVS (L) 8044 B11 TSR	791mm	240mm	360mm	-
GCVS (L) 10044 B11 TSR	936mm	240mm	480mm	-
GCVS (L) 12044 B11 TSRP	1086mm	240mm	480mm	150mm
GCVS (L) 15044 B11 TSRP	1311mm	240mm	480mm	150mm
GCV6S (L) 8044 B11 TSR	791mm	240mm	295mm	-
GCV9S (L) 10044 B11 TSR	936mm	240mm	445mm	-
GCV9S (L) 12044 B11 TSRP	1086mm	240mm	445mm	150mm
GCV9S (L) 15044 B11 TSRP	1311mm	240mm	445mm	150mm

GCV9S models with right position of heat exchanger outlets

GCV9SL models with left position of heat exchanger outlets

All GCV9S and GCV9SL are equipped with a FLANGE and long - lasting MAGNESIUM ANODE PROTECTOR

Exchanged power in continuous mode (max coil output) *60-80°C	Continuous flow rate of DHW at ΔT35°C *60-80°C	PISTON EFFECT : Maximum quantity of drawn off water MIX 40°C (**15-60°C) Power input cut off	Maximum operational temperature	Rated pressure of the water tank	Rated pressure of the heat exchanger	Minimum time of heating *80°C-**15/60°C	Thermo pocket
2.9kW	71L/h	73.7L	85°C	8bar	6bar	54'	0 pieces
6kW	142L/h	112.4L	85°C	8bar	6bar	45'	0 pieces
6kW	142L/h	127.6L	85°C	8bar	6bar	55'	1 pieces
6kW	142L/h	196.8L	85°C	8bar	6bar	72'	1 pieces
13.8kW	329L/h	91.7L	85°C	8bar	6bar	18'	0 pieces
18.5kW	433L/h	125.5L	85°C	8bar	6bar	19'	0 pieces
18.8kW	433L/h	128.1L	85°C	8bar	6bar	18'	1 pieces
18.4kW	433L/h	188.8L	85°C	8bar	6bar	26'	1 pieces

* - outlet - inlet temperature of the heat transfer fluid

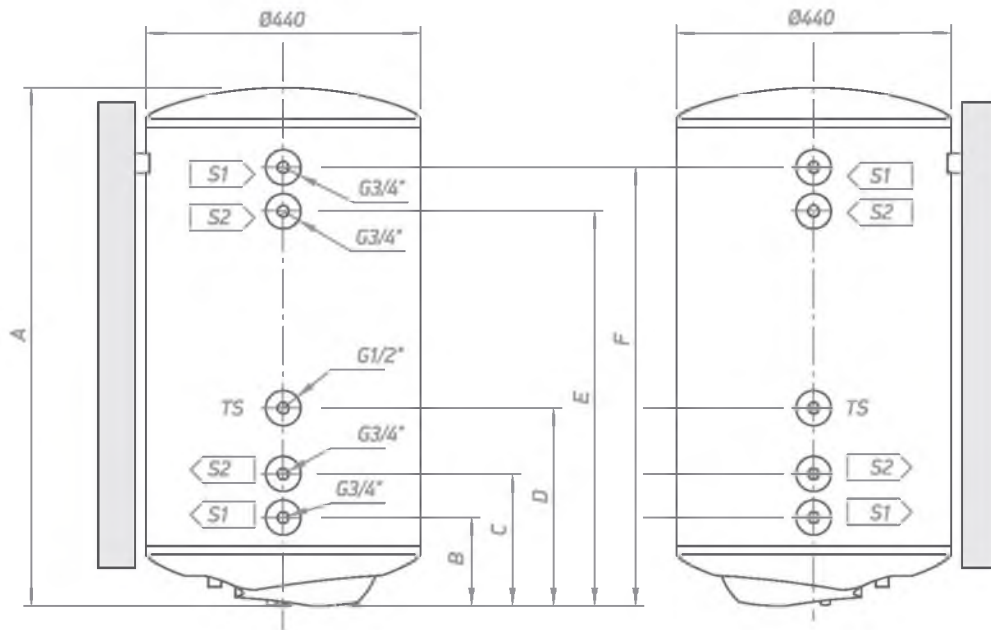
** - 15 - cold water temperature, 60 - hot water temperature (domestic water)

- ☐ Electric storage water heaters
 - ↳ BiLight
 - ↳ vertical models with 2 serpentine



MODEL	Rated voltage	Rated power	Capacity	Insulation	Heat exchanger surface		Heat exchanger capacity		Exchanged power in continuous mode (max coil output) *60-80°C	
					S1	S2	S1	S2	S1	S2
GCV7/4S2 (L) 100 45 B11 TSRP	230V-50Hz	1500W / 2000W / 3000W	90L	18mm	0.5m ²	0.3m ²	2.51L	1.52L	13.4kW	8.1kW
GCV7/4S2 (L) 120 45 B11 TSRP	230V-50Hz	1500W / 2000W / 3000W	110L	18mm	0.5m ²	0.3m ²	2.51L	1.52L	13.4kW	8.1kW
GCV7/4S2 (L) 150 45 B11 TSRP	230V-50Hz	1500W / 2000W / 3000W	140L	18mm	0.5m ²	0.3m ²	2.51L	1.52L	13.4kW	8.1kW

The design and the technical data specified in the catalogue are subject of change without notice.



	A [±5mm]	B [±5mm]	C [±5mm]	D [±5mm]	E [±5mm]	F [±5mm]
GCV7/4S2 (L) 10045 B11 TSRP	936mm	243mm	341mm	431mm	645mm	743mm
GCV7/4S2 (L) 12045 B11 TSRP	1086mm	248mm	346mm	436mm	650mm	748mm
GCV7/4S2 (L) 15045 B11 TSRP	1311mm	248mm	346mm	436mm	650mm	748mm

GCV4/7S2 models with right position of heat exchanger outlets
 GCV4/7S2L models with left position of heat exchanger outlets

Continuous flow rate of DHW at ΔT35°C *60-80°C		Maximum quantity of drawn off water MIX 40°C (**15-60°C) Power input cut off		Maximum operational temperature	Rated pressure of the water tank	Rated pressure of the heat exchanger	Minimum time of heating *80°C-**15/60°C		Thermo pocket
S1	S2	S1	S2				S1	S2	
330L/h	201L/h	103L	91L	85°C	8bar	6bar	0h 36'	0h 48'	2 pieces
330L/h	201L/h	121L	110L	85°C	8bar	6bar	0h 38'	0h 54'	2 pieces
330L/h	201L/h	147L	137L	85°C	8bar	6bar	0h 42'	0h 54'	2 pieces

* - outlet - inlet temperature of the heat transfer fluid
 ** - 15 - cold water temperature, 60 - hot water temperature (domestic water)

Electric storage water heaters

BiLight

horizontal models with serpentine



BiLight moisture proof switch



High efficient thermo-insulation



Adjustable thermostat



Magnesium anode

Horizontal installation: Horizontal storage water heaters TESI are offered in two modifications - left (GCHL) and right (GCH) installation

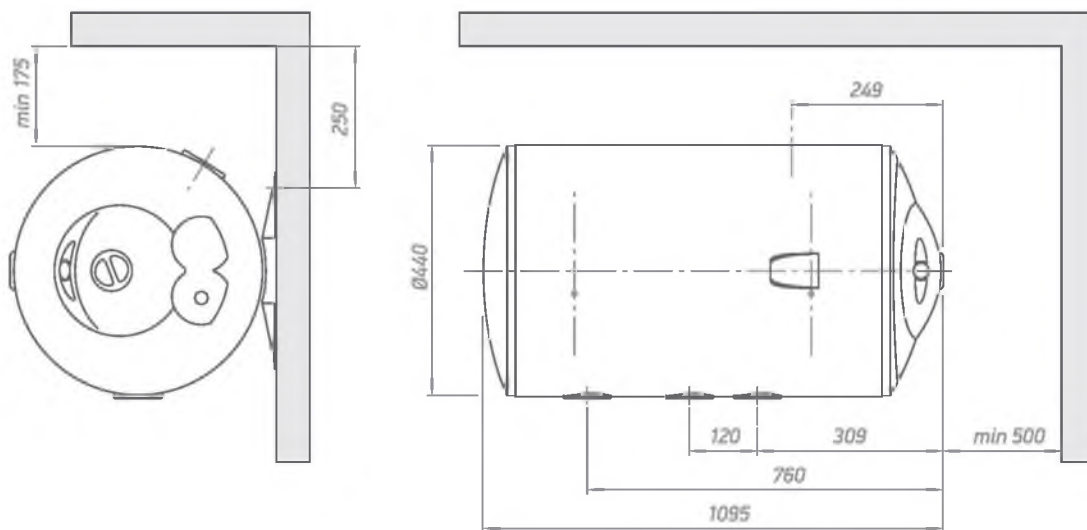
Turbolator: Unique technical innovation with no analog on the market! The TURBOLATOR is integrated inside the serpentine and has specific perforation designed to intersperse the heating transfer fluid and to provide better efficiency. It ensures higher energy yield from the serpentine. Heat exchanger with integrated TURBOLATOR could produce up to 26 % higher power output and ensures faster heating of the water. The TURBOLATOR is integrated in all TESI water heaters up to 150 l.

Serpentine: Economical, effective and reliable hot-water heating system designed for connecting to central heating or other similar type of local heating installation with closed type cycle of heating.

MODEL	Rated voltage	Rated power	Capacity	Insulation	Heat exchanger surface	Heat exchanger capacity	Exchanged power in continuous mode (max coil output) *60-80°C
GCHMS (L) 8045 20 A04 TSRP	230V-50Hz	2000W	80L	18mm	0.26m ²	0.89L	7.5kW
GCHMS (L) 12045 20 A04 TSRP	230V-50Hz	2000W	120L	18mm	0.34m ²	1.16L	8.5kW

The design and the technical data specified in the catalogue are subject of change without notice.

- ❑ **Thermo sensor pocket:** The pocket allows the thermo sensor to collect information about the exact water temperature at the lowest end of the serpentine and ensuring maximum precise control over the heat exchanger operation. With proper installation the system will gain maximum efficiency with minimum risk of over-heating.
- ❑ **Glass ceramic protection:** TESI water heaters are made using super modern technology for glass ceramic coating of the internal surface of the water tank. Glass ceramic coating assured reliable protection against corrosion and guaranties long.
- ❑ **Higher energy efficiency:** UP to 16 % less heat loss due to missing thermal bridge between the water tank and the mounting bracket.
- ❑ **BiLight moisture proof switch** with indicator (on/off). Two working modes visualized with color changing lights: HEATING MODE, READY-TO-USE MODE. Reliable electric system, guaranteed by the European safety standards.
- ❑ **Adjustable thermostat:** Bigger and easy to handle regulating knob for setting the temperature of the water.
- ❑ **CFC-free insulation:** Highly efficient thermo-insulation from high density CFC-free polyurethane foam, which guarantees minimum heat loss and energy-saving operation.
Magnesium anode: A larger magnesium anode with 50% longer useful life. It can be easily dismantled and replaced.
- ❑ **Flange:** Flange allowing free access to the electric group of the water heater so that the anode and the heating element can be easily replaced.



GCHMS models with right position of heat exchanger outlets

Continuous flow rate of DHW at $\Delta T 35^{\circ}\text{C}$ *60-80°C	Maximum quantity of drawn off water MIX 45°C (**15-60°C) Power input cut off	Maximum operational temperature	Rated pressure of the water tank	Rated pressure of the heat exchanger	Minimum time of heating *80-15/60	Thermo pocket
90L/h	91L	85°C	8bar	6bar	0h 40'	0 pieces
210L/h	107L	85°C	8bar	6bar	0h 45'	1 pieces

* - outlet - inlet temperature of the heat transfer fluid

** - 15 - cold water temperature, 60 -hot water temperature (domestic water)

L 790mm, 80L

Ø440mm



H 1155mm, 80L

Ø353mm



H 525mm, 30L

H 795mm, 50L

H 925mm, 60L

H 1310mm, 150L

Ø440mm



H 566mm, 50L

H 790mm, 80L

H 936mm, 100L

H 1085mm, 120L

□ Electric storage water heaters

↳ Anticalc

↳ vertical models



ANTICALC
LIME SCALE PROTECTION



Dry heating element







2 degree switch



Noiseless heating



Lower scale deposit

- ❑ **PISTON effect:** ANTICALC water heaters are equipped with new developed cold water nozzle (Patent - pending). This innovation is designed to reduce the mix between the hot and cold water inside the water tank. By reducing the velocity of the incoming cold water, the nozzle creates so called PISTON effect and ensures up to 15 % more hot water.
- ❑ **Dry heating element ANTICALC:** The heating element hasn't got contact with water. The technology ensures long life of the water heater because the electrical parts, the tank and the thermostat have better protection.
- ❑ **Advantages:**
 - 1) Easy and quick maintenance
 - 2) Low watt density (4 – 5 W per cm²) ensuring
 - Lower scale deposit
 - Noiseless heating process
 - 3) Avoiding water heater drain off when the heating element needs replacement
 - 4) Stainless steel heating element with glass-ceramic coated protective sleeve
- ❑ **Glass-ceramic protection of the water tank:** TESI electric storage water heaters are produced by the latest modern technology of glass-ceramic coating of the water tank. The glass-ceramic protection assures reliable protection against corrosion together with perfect hygiene of the water and guarantees long useful life of the water tank.
- ❑ **High efficient thermo-insulation:** High efficient thermo-insulation from high density CFC-free polyurethane with 18 mm thickness guarantees minimum heat losses and energy saving operation.
- ❑ **Reliable electric system, guaranteed by the European safety certificates**
- ❑ **Moisture proof switch**
- ❑ **Adjustable thermostat:** Adjustable thermostat with 4 temperature settings:
 -  ANTIFREEZE protection
 -  SUMMER mode
 -  WINTER mode
 -  ANTIBACTERIAL mode
- ❑ **Magnesium anode with 3 years of useful life + Anode tester:** TESI ANTICALC electric storage water heaters are equipped with Anode tester which is a helpful device showing the real condition of the anode and the necessity of its replacement. The magnesium anode protects the water heater tank from electro-chemical corrosion.
- ❑ **Anti-freeze protection**



All models are equipped with anti-freezing protection, thermal cut off and light indicator Switch ON/OFF.

Electric storage water heaters

Anticalc

vertical models



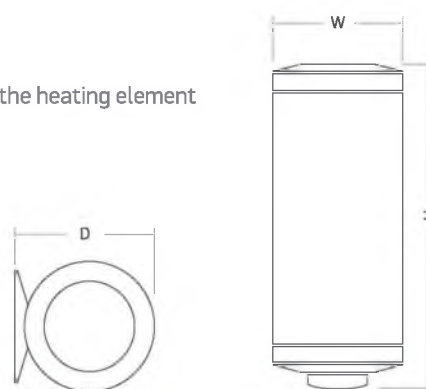
ANTICALC
LIME SCALE PROTECTION



MODEL	Rated voltage	Rated power			Installation	Capacity	Diameter	Working pressure	Protection of the tank
		Max	Mid	Min					
GCV 3036 16D A04 TS2R	230V-50Hz	1600W	800W	800W	Vertical	30L	353mm	0.8MPa	Glass ceramic
GCV 5036 16 D A04 TS2R	230V-50Hz	1600W	800W	800W	Vertical	50L	353mm	0.8MPa	Glass ceramic
GCV 6036 20D A04 TS2R	230V-50Hz	2000W	1200W	800W	Vertical	60L	353mm	0.8MPa	Glass ceramic
GCV 8036 20D A04 TS2R	230V-50Hz	2000W	1200W	800W	Vertical	80L	353mm	0.8MPa	Glass ceramic
GCV 8036 24D A04 TS2R	230V-50Hz	2400W	1200W	1200W	Vertical	80L	353mm	0.8MPa	Glass ceramic
GCV 5045 16D A04 TS2R	230V-50Hz	1600W	800W	800W	Vertical	50L	440mm	0.8MPa	Glass ceramic
GCV 8045 20D A04 TS2R	230V-50Hz	2000W	1200W	800W	Vertical	80L	440mm	0.8MPa	Glass ceramic
GCV 8045 24D A04 TS2R	230V-50Hz	2400W	1200W	1200W	Vertical	80L	440mm	0.8MPa	Glass ceramic
GCV 10045 20D A04 TS2R	230V-50Hz	2000W	1200W	800W	Vertical	100L	440mm	0.8MPa	Glass ceramic
GCV 10045 24D A04 TS2R	230V-50Hz	2400W	1200W	1200W	Vertical	100L	440mm	0.8MPa	Glass ceramic
GCV 12045 24D A04 TS2R	230V-50Hz	2400W	1200W	1200W	Vertical	120L	440mm	0.8MPa	Glass ceramic
GCV 15045 24D A04 TS2R	230V-50Hz	2000W	1200W	800W	Vertical	150L	440mm	0.8MPa	Glass ceramic

The design and the technical data specified in the catalogue are subject of change without notice.

- 1 - Ingoing cold water inlet with patented PISTON EFFECT
- 2 - Thermoindicator
- 3 - Outgoing stainless steel outlet
- 4 - Glass-ceramic protection of the water tank
- 5 - Insulation of high density CFC free polyurethane foam for minimum heat losses
- 6 - Glass-ceramic coated protective sleeve
- 7 - Electric dry heating element
- 8 - Magnesium anode with 3 years of useful life
- 9 - Moisture-proof switch
- 10 - Capillary thermostat
- 11 - Anode tester
- 12 - Flange allowing easy replacement of the magnesium anode and the heating element
- 13 - Safety valve



	Insulation	2 degree switch On / Off	Thermo-indicator	Safety valve	Heating time from 15°C to 65°C			Product dimensions			Weight (net)
					Max	Mid	Min	H	W	D	
	18mm	Yes	Yes	Yes	1h 05'	2h 11'	2h 11'	0.525m	0.353m	0.370m	12.3kg
	18mm	Yes	Yes	Yes	1h 49'	3h 38'	3h 38'	0.795m	0.353m	0.370m	18.2kg
	18mm	Yes	Yes	Yes	1h 45'	2h 54'	4h 21'	0.925m	0.353m	0.370m	19.5kg
	18mm	Yes	Yes	Yes	2h 20'	3h 52'	5h 48'	1.155m	0.353m	0.370m	23.9kg
	18mm	Yes	Yes	Yes	1h 56'	3h 52'	3h 52'	1.155m	0.353m	0.370m	23.9kg
	18mm	Yes	Yes	Yes	1h 49'	3h 38'	3h 38'	0.566m	0.440m	0.460m	17.6kg
	18mm	Yes	Yes	Yes	2h 20'	3h 52'	5h 48'	0.790m	0.440m	0.460m	21.8kg
	18mm	Yes	Yes	Yes	1h 56'	3h 52'	3h 52'	0.790m	0.440m	0.460m	21.8kg
	18mm	Yes	Yes	Yes	2h 55'	4h 51'	7h 15'	0.936m	0.440 m	0.460m	25kg
	18mm	Yes	Yes	Yes	2h 25'	4h 50'	4h 50'	0.936m	0.440m	0.460m	25kg
	18mm	Yes	Yes	Yes	2h 54'	5h 48'	5h 48'	1.085m	0.440m	0.460m	29.3kg
	18mm	Yes	Yes	Yes	3h 38'	7h 15'	7h 15'	1.310m	0.440m	0.460m	34.8kg

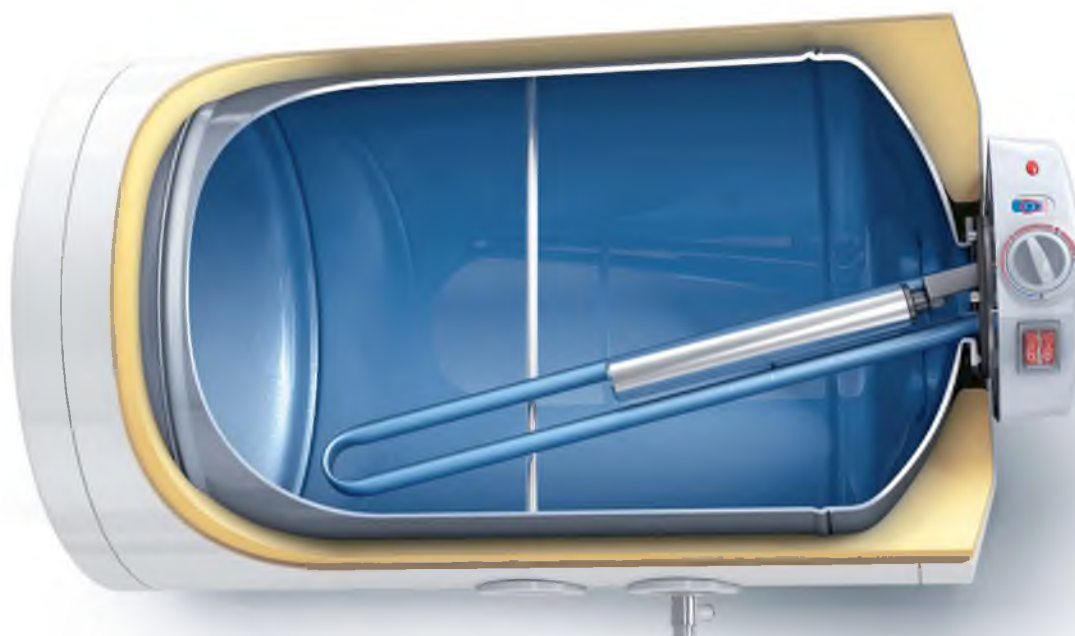
Electric storage water heaters

Anticalc

horizontal models



ANTICALC
LIME SCALE PROTECTION



Dry heating element



2 degree switch



Noiseless heating



Lower scale deposit

❑ **The heating element hasn't got contact with water:** The technology ensures long life of the water heater because the electrical parts, the tank and the thermostat have better protection.

❑ **Easy and quick maintenance**

❑ **Low watt density:** (4 – 5 W per cm²) ensuring

- Lower scale deposit

- Noiseless heating process

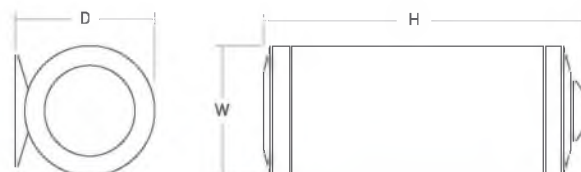
MODEL	Rated voltage	Rated power	Installation	Capacity	Diameter	Working pressure	Protection of the tank
GCH 8045 24D A04 TSR	230V-50Hz	2400W / 1200W	Horizontal	80L	440mm	0.8MPa	Glass ceramic

The design and the technical data specified in the catalogue are subject of change without notice.

- ☐ **Avoiding water heater drain off when the heating element needs replacement**
- ☐ **Stainless steel heating element with glass-ceramic coated protective sleeve**
- ☐ **Glass-ceramic protection of the water tank:** TESI electric storage water heaters are produced by the latest modern technology of glass-ceramic coating of the water tank. The glass-ceramic protection assures reliable protection against corrosion together with perfect hygiene of the water and guarantees long useful life of the water tank.
- ☐ **High efficient thermo-insulation:** High efficient thermo-insulation from high density CFC-free polyurethane with 18 mm thickness guarantees minimum heat losses and energy saving operation.
- ☐ **Reliable electric system, guaranteed by the European safety certificates**
- ☐ **Moisture proof switch**
- ☐ **Adjustable thermostat:** Adjustable thermostat with 4 temperature settings:
 - ☐ ANTIFREEZE protection
 - ☐ SUMMER mode
 - ☐ WINTER mode
 - ☐ ANTIBACTERIAL mode
- ☐ **Magnesium anode with 3 years of useful life + Anode tester:** TESI Base Line electric storage water heaters are equipped with Anode tester which is a helpful device showing the real condition of the anode and the necessity of its replacement. The magnesium anode protects the water heater tank from electro-chemical corrosion.
- ☐ **Anti-freeze protection**



All models are glass ceramic coated, equipped with flange and long life magnesium anode.



Insulation	Switch On/OFF	Thermoindicator	Safety valve	Heating time from 15°C to 65°C	Product dimensions			Weight (net)
					H	W	D	
18mm	Yes	Yes	Yes	1h 56' / 3h 52'	0.790m	0.440m	0.460m	21.80kg

H 365mm, 6L



H 365mm, 6L

H 410mm, 10L



H 410mm, 10L

H 410mm, 15L



H 410mm, 15L



TESY HOME



Electric storage water heaters > **Compact Line**

Electric storage water heaters

Compact Line



Installation above the sink



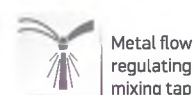
Installation under the sink



ON/OFF switch



Adjustable thermostat



Metal flow regulating mixing tap

... only for GCA 1015 K51 SRCM

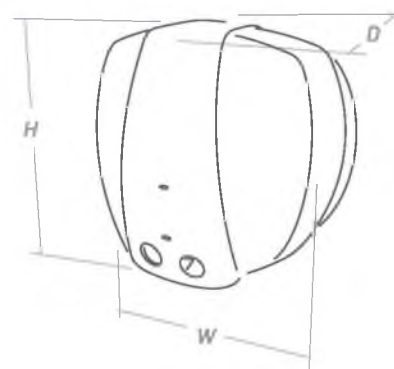
MODEL	Rated voltage	Rated power	Installation	Capacity	Working pressure	Protection of the tank
GCA 1020 SRC	230V-50Hz	1500W / 2000W	Above the sink	10L	0.8MPa	Glass ceramic
GCU 1020 SRC	230V-50Hz	1500W / 2000W	Under the sink	10L	0.8MPa	Glass ceramic
GCA 1520 SRC	230V-50Hz	1500W / 2000W	Above the sink	15L	0.8MPa	Glass ceramic
GCU 1520 SRC	230V-50Hz	1500W / 2000W	Under the sink	15L	0.8MPa	Glass ceramic
GCA 1015 K51 SRCM	230V-50Hz	1500W	Above the sink	10L	0.8MPa	Glass ceramic

The design and the technical data specified in the catalogue are subject of change without notice.

- ☒ Compact size
- ☒ Glass-ceramic protection of the water tank
- ☒ Flange allowing easy maintenance of the water heater
- ☒ Functional and convenient control panel: Switch ON/OFF and adjustable thermostat.
- ☒ Light indicators
- ☒ Safety valve
- ☒ Stainless steel water inlet and outlet
- ☒ Model TESI GCA 1015 K51 SRCM



Model GCA 1015 K51 SRCM is equipped with special metal flow regulating mixing tap which ensures constant connection of the water tank with the atmosphere, the appliance doesn't work under pressure and there is no necessity of safety valve.



Insulation	Safety valve	Heating time from 15°C to 65°C	Product dimensions			Weight (net)
			H	W	D	
19mm	Yes	0h 23' / 0h 17'	0.410m	0.360m	0.250m	6.50kg
19mm	Yes	0h 23' / 0h 17'	0.410m	0.360m	0.250m	6.50kg
19mm	Yes	0h 35' / 0h 27'	0.410m	0.360m	0.310m	8.50kg
19mm	Yes	0h 35' / 0h 27'	0.410m	0.360m	0.310m	8.50kg
19mm	No	0h 23'	0.410m	0.360m	0.250m	6.50kg/7.20kg

Electric storage water heaters

Compact Line



Installation above the sink



Installation under the sink



Adjustable thermostat

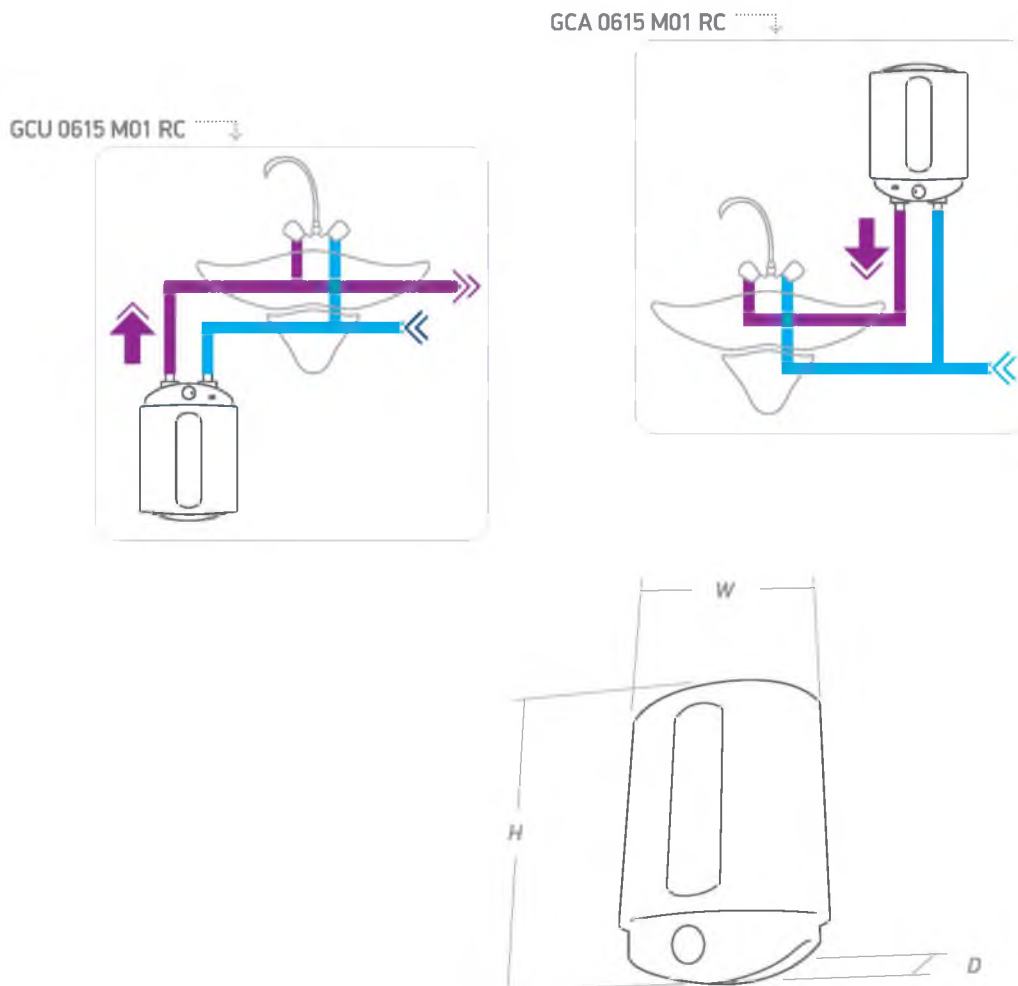


Easy mounting

MODEL	Rated voltage	Rated power	Installation	Capacity	Working pressure	Protection of the tank
GCA 0615 M01 RC	230V-50Hz	1500W	Above the sink	6L	0.75MPa	Glass ceramic
GCU 0615 M01 RC	230V-50Hz	1500W	Under the sink	6L	0.57MPa	Glass ceramic

The design and the technical data specified in the catalogue are subject of change without notice.

- Compact size
- Glass-ceramic protection of the water tank
- Flange allowing easy maintenance of the appliances
- Adjustable thermostat
- Light indicator
- Safety valve
- Stainless steel hot water outlet



	Insulation	Safety valve	Heating time from 15°C to 65°C	Product dimensions			Weight (net)
				H	W	D	
	12mm	Yes	0h 14'	0.365m	0.265m	0.160m	5.50kg
	12mm	Yes	0h 14'	0.365m	0.265m	0.160m	5.50kg

□ Electric water heaters

↳ Instantaneous

Hot water all the time



Unlimited amount of hot water



Compact size



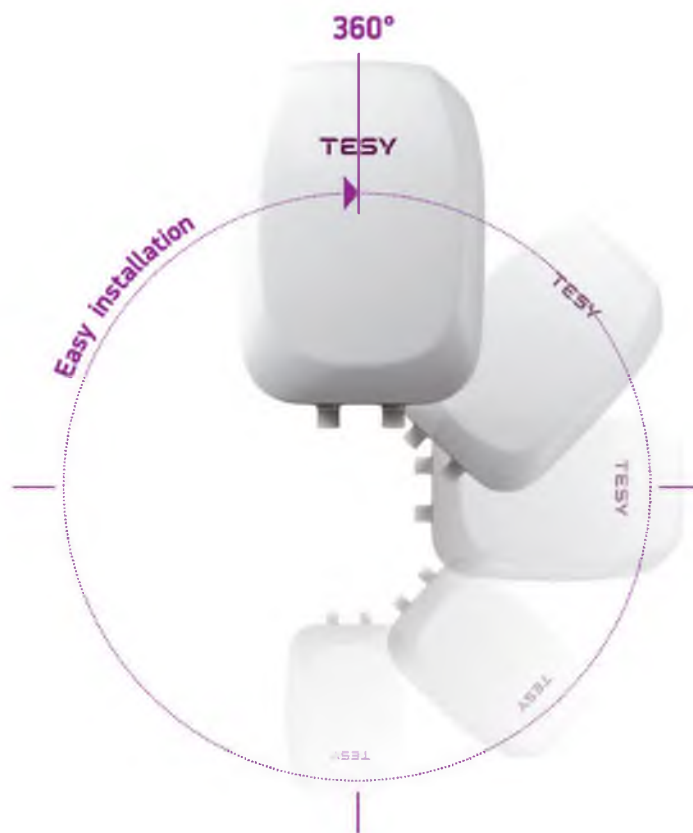
Easy mounting



Instant heating

- ❑ Hot water all the time
- ❑ Build-in technology for optimal temperature
- ❑ Compact size
- ❑ Easy mounting
- ❑ Instant heating
- ❑ Metal mixing tap
- ❑ Power cord (plug is available just for model iwh 35 x01ki)

- ❑ For In-Line model under pressure only



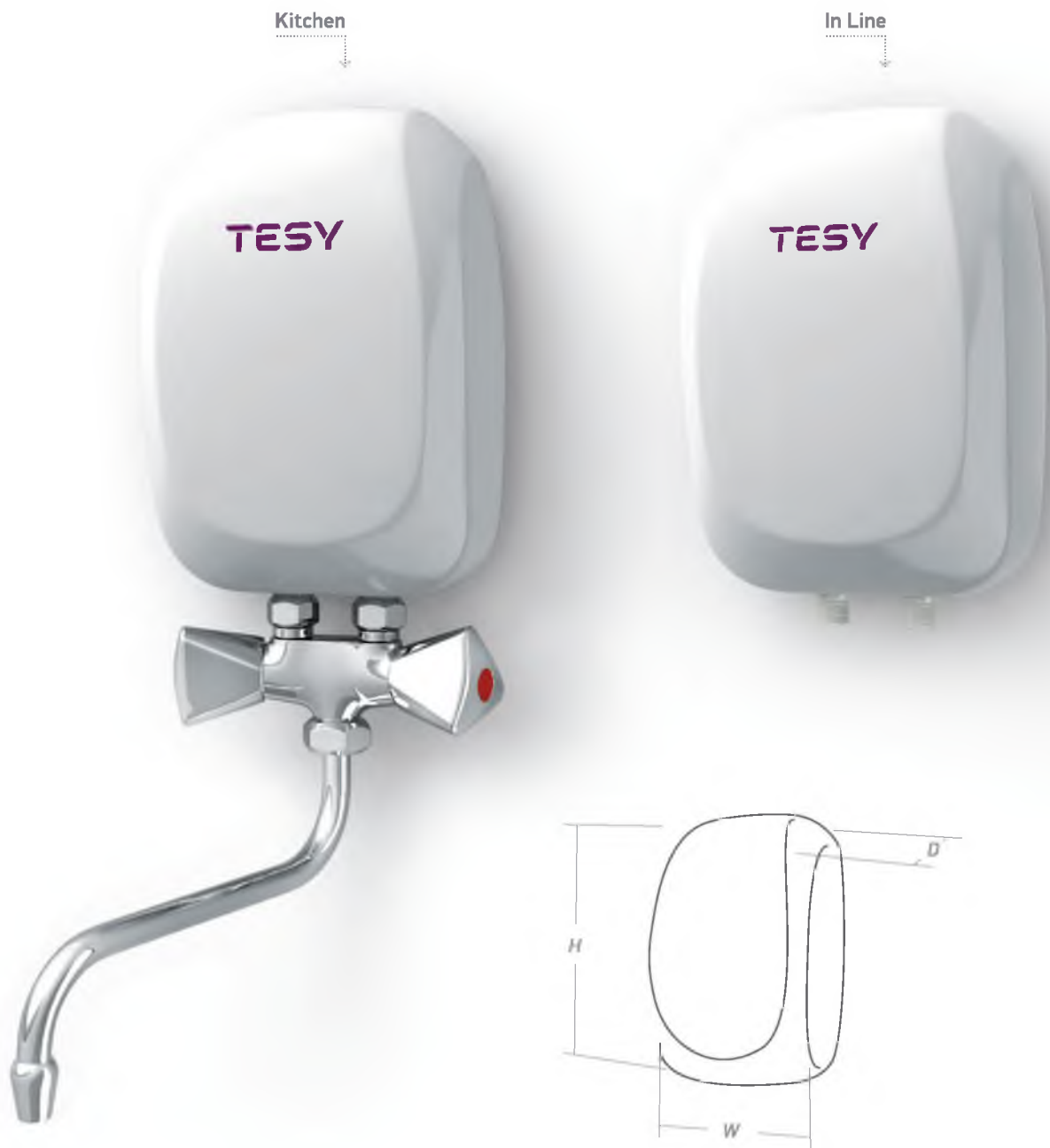
Electric water heaters

Instantaneous



MODEL	Rated voltage	Rated power	Usage	Installation	Flow rate (Δt 25°C)	Working pressure
IWH 35 X01 KI	230V-50Hz	3500W	Kitchen	Non pressurized	2.0L/min	0MPa
IWH 50 X01 KI	230V-50Hz	5000W	Kitchen	Non pressurized	2.9L/min	0MPa
IWH 70 X01 BA H	230V-50Hz	7000W	Bath	Non pressurized	4.0L/min	0MPa
IWH 70 X01 IL	230V-50Hz	7000W	Universal	Pressurized	4.0L/min	0.6MPa
IWH 80 X01 IL	230V-50Hz	8000W	Universal	Pressurized	4.6L/min	0.6MPa

The design and the technical data specified in the catalogue are subject of change without notice.



	Diameter inlet/outlet	Recommended Fuse Rating	Power cord	Recommended cable size	Accessories kit	Product dimensions		
						H	W	D
	10mm	20A	Yes	2.5mm ²	Mixing tap	0.200m	0.130m	0.076m
	10mm	25A	(with plug)	4mm ²	Mixing tap	0.200m	0.130m	0.076m
	½"	40A	Yes	6mm ²	Holder, shower head, hose, faucet	0.200m	0.130m	0.076m
	½"	40A	Yes	6mm ²	Holder	0.200m	0.130m	0.076m
	½"	40A	Yes	6/10mm ²	Holder	0.200m	0.130m	0.076m

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