

BURAL

PRODUCT CATALOGUE

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SOLAR THERMAL

BIOMASS



ABOUT US

BURAL

Bural is a dynamic company has 20 years of experience in solar industry and heating sector. After 20 years in the business, we can claim to a high level of competence in the field of heating appliances and solar water heater manufacturing with oem partners. Because we gained extensive know-how in these fields throughout years. Our success is based on offering high performance and durable products which is the fruits of our long term customer relations mentality and continuous improvements. With this values, we are expanding our activities globally.

We have a quality management system based on the requirements of ISO 9001, SOLARKEYMARK, DINPlus and BimSchV certifications.

Our goal is to assure customer satisfaction by offering high-quality, reliable products, and we consider them basic philosophy for excellence of the product.

We have extensive experience in helping customers to offer the best solution for their needs. We work on both small and large installations and cooperate with installers. And, as a specialist in solar energy systems, we share our experience and develop successful solar projects.

A close-up, high-angle shot of a showerhead with water spraying out. The water droplets are in motion, creating a sense of freshness and cleanliness. The background is a soft, out-of-focus white, making the water droplets stand out.

CONTENT

Solar Thermal Collectors
Solar Water Heaters
Enamel Hot Water Storage Tanks
Biomass Heating systems



SOLAR THERMAL COLLECTORS

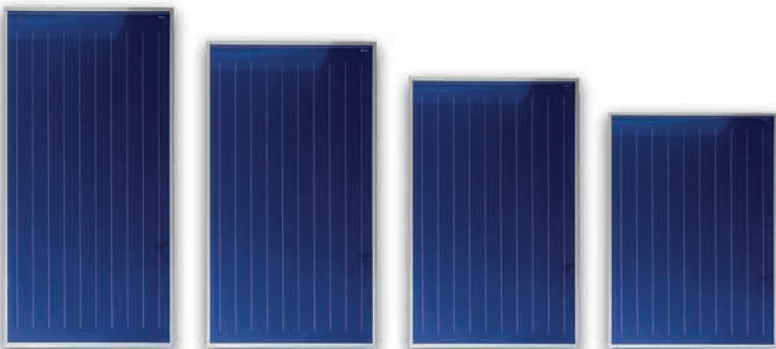
BURAL Solar Collectors provides the best cost/performance ratio. Enduring construction made of aluminium profile and tight thermal insulation makes our products the perfect solution for all climates.

Characteristics of BURAL Solar Thermal Collectors:

- Full plate copper absorber welded by ultrasonic welding and high selective or selective paint treatment options.
- Copper+copper solution.
- Solar Keymark Certified.
- Tempered solar glass ensures high solar transmittance and long durability.
- Rockwool insulation for excellent thermal insulation.
- Strong frame made of aluminium profile for long life in all climates.
- Easy installation on flat or pitched roofs.

HP Series Solar Collectors

Full plate selective collector with high selective properties as well as ultra tight frame and rockwool insulation. HP series are the perfect solution for cold climates or low radiation climates. HP series are also the best investment of commercial solar water heating systems for hotels, hospitals, villas, apartment buildings, industrial facilities, etc.

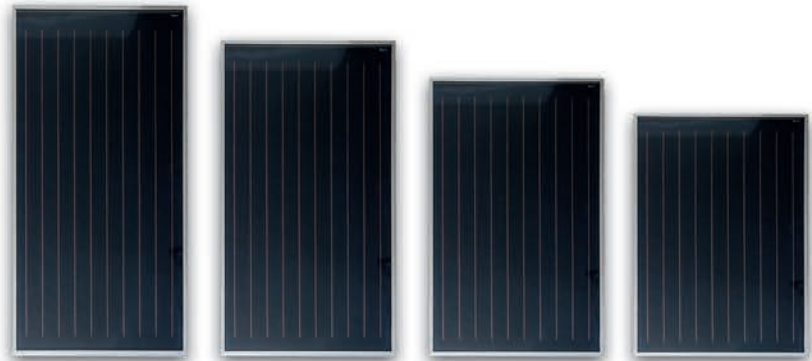


	HP208	HP230	HP255	HP280
GROSS AREA (M2)	2,08	2,3	2,55	2,8
DIMENSIONS (mm)	1175X1770X81	1175X1960X81	1175X2170X81	1175X2390X81
WEIGHT (Kg)	35	39	42	47
TRANSPARENT COVER	Tempered Solar Glass	Tempered Solar Glass	Tempered Solar Glass	Tempered Solar Glass
WELDING METHOD	Ultrasonic	Ultrasonic	Ultrasonic	Ultrasonic
ABSORBER	High Selective Coating	High Selective Coating	High Selective Coating	High Selective Coating
NUMBER OF RISER TUBES	10	10	10	10
INSULATION	Rockwool	Rockwool	Rockwool	Rockwool
BACKSHEET	Aluminium	Aluminium	Aluminium	Aluminium
MOUNTING OPTIONS	Flat roof, pitched roof	Flat roof, pitched roof	Flat roof, pitched roof	Flat roof, pitched roof



ST Series Solar Collectors

Cost effective solar collector with performance and long durability. Same construction and material as HP series, the unique difference is copper absorber is coated by long durable selective paint treatment.



	ST208	ST230	ST255	ST280
GROSS AREA (M2)	2,08	2,3	2,55	2,8
DIMENSIONS (mm)	1175X1770X81	1175X1960X81	1175X2170X81	1175X2390X81
WEIGHT (Kg)	35	39	42	47
TRANSPARENT COVER	Tempered Solar Glass	Tempered Solar Glass	Tempered Solar Glass	Tempered Solar Glass
WELDING METHOD	Ultrasonic	Ultrasonic	Ultrasonic	Ultrasonic
ABSORBER	Selective paint	Selective paint	Selective paint	Selective paint
NUMBER OF RISER TUBES	10	10	10	10
INSULATION	Rockwool	Rockwool	Rockwool	Rockwool
BACKSHEET	Aluminium	Aluminium	Aluminium	Aluminium
MOUNTING OPTIONS	Flat roof, pitched roof	Flat roof, pitched roof	Flat roof, pitched roof	Flat roof, pitched roof



THERMOSIPHON SOLAR WATER HEATERS

When you buy a BURAL Thermosiphon Solar Water Heater, you will benefit from 20 years of experience as thousands of products are in operation worldwide carrying diverse brands. We are your reliable supplier.

Thermosiphon Solar Water Heaters do not need a pump's support. Heating liquid moves in the system naturally. BURAL Thermosiphon solar water heaters use the Thermosiphon principle to collect the temperature from the sun and transfer it to your water. Aesthetic appearance, high efficiency and long durability are some of BURAL solar water heaters' advantages.



Characteristics of BURAL Thermosiphon systems:

- Hygienic vitreous enameled steel tank with food grade quality.
- Long lifespan with magnesium anode protection.
- No need to expansion tank.
- Copper absorber, copper tube with ultrasonic welding.
- Easy installation for pitched roofs and flat roofs.
- Availability of Closed Loop and Open Loop systems.





KD Series Closed Loop System

A heat exchanger surrounds the hot water tank, heating liquid (glycol) moves between solar collector and the tank. Heating liquid transfers the heat from solar collector to the hot water in the tank. KD Series is available in capacities: 150lt, 200lt and 300lt.

	KD150	KD200	KD300
Tank Dimensions (mm)	Ø600X1000	Ø600X1200	Ø600X1750
Tank Weight (kg)	76	86	121
Tank Insulation	PU	PU	PU
Solar Collector Area (m2) (*)	2,3	2,3	4,6
Solar Collector Weight (kg)	39	39	78
Solar Collector Insulation	Rockwool	Rockwool	Rockwool
Mounting Set	Pitched/flat roof	Pitched/flat roof	Pitched/flat roof

AD Series Open Loop System

Designed for places where no freezing and water quality is good. No need a heating liquid, cold water moves from the tank to solar collector, hot water moves from solar collector to the tank.

	AD150	AD200	AD300
Tank Dimensions (mm)	Ø600X1000	Ø600X1200	Ø600X1750
Tank Weight (kg)	73	82	115
Tank Insulation	PU	PU	PU
Solar Collector Area (m2) (*)	2,3	2,3	4,6
Solar Collector Weight (kg)	39	39	78
Solar Collector Insulation	Rockwool	Rockwool	Rockwool
Mounting Set	Pitched/flat roof	Pitched/flat roof	Pitched/flat roof

(*) Solar Collector area and absorber type varies due to climate and radiation conditions of the site.

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ENAMEL HOT WATER TANKS

Enamel hot water storage tanks are water heating and store devices with several different options due to different heating and storage needs.

Characteristics of BURAL Storage Tanks:

- Low carbon steel body coated by vitreous enamel.
- Cathodic protection by magnesium anode bar.
- Wide range of capacities from 100lt to 2000lt.
- Rigid, mould-injected HCFC-free PU insulation with electrostatic powder coated steel cover from 100lt to 600lt capacities.
- Removable soft foam insulation from 600lt to 2000lt capacities.
- Optional electric heating element with thermostat.
- 10 Bar operation pressure.



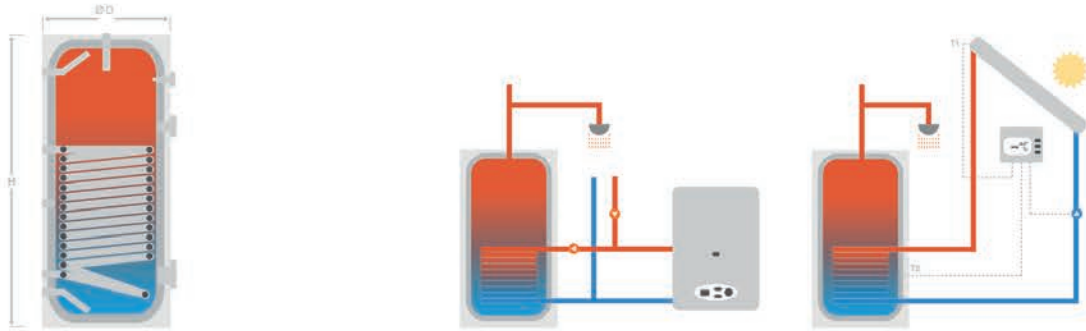
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BS Series Single Serpentine Tanks

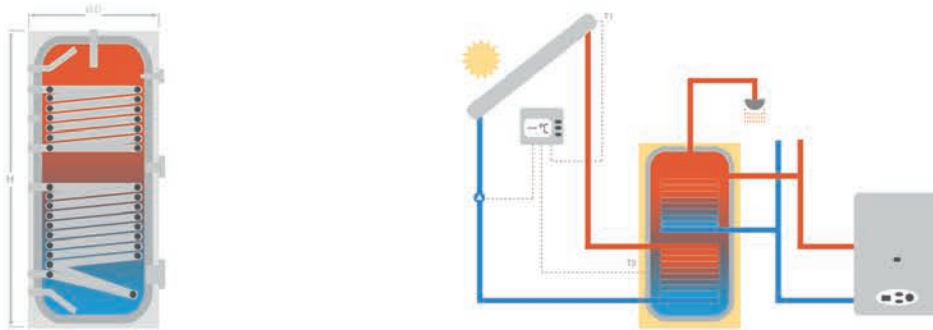
Provides hot water efficiently and stores heated water for a long period. Suitable solution for hygienic domestic hot water with enamel coating, one serpentine to generate hot water from solar collectors or any other type heating source. Heat losses are very low due to HCFC-free PU insulation.

	BS100	BS160	BS200	BS350	BS500	BS600	BS800	BS1000	BS1500	BS2000
Capacity (lt)	100	160	200	350	500	600	800	1000	1500	2000
External diameter (mm)	486	586	586	756	756	756	910	1010	1120	1260
Height (mm)	1050	1050	1250	1270	1720	1970	2100	2130	2420	2450
Heating inlet-outlet	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
DHW inlet-outlet	3/4"	3/4"	3/4"	1"	1"	1"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Circulation	3/4"	3/4"	3/4"	1"	1"	1"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Serpentine surface (m2)	0,59	0,81	1,08	1,45	2,19	2,19	3,08	3,08	4,97	4,97
Empty Weight (kg)	73	89	100	132	181	194	286	352	407	537



BD Series Double Serpentine Tanks

Two serpentes extending full-length from top to bottom heats the domestic water homogeneously. With the advantage of two serpentes domestic hot water can be heated simultaneously from solar collector and boiler. Bottom serpentine is connected to solar collector and upper serpentine is connected to boiler. Hygienic solution with enamel coating. Heat loses are very low due to HCFC-free PU insulation.



	BD160	BD200	BD350	BD500	BD600	BD800	BD1000	BD1500	BD2000
Capacity (lt)	160	200	350	500	600	800	1000	1500	2000
External diameter (mm)	586	586	756	756	756	910	1010	1120	1260
Height (mm)	1050	1250	1270	1720	1970	2100	2130	2420	2450
Heating inlet-outlet	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
DHW inlet-outlet	3/4"	3/4"	1"	1"	1"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Circulation	3/4"	3/4"	1"	1"	1"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Bottom serpentine surface (m2)	0,74	0,81	1,2	2,19	2,19	3,08	3,08	4,97	4,97
Upper serpentine surface (m2)	0,59	0,74	1	1,39	1,39	1,54	1,54	2,18	2,18
Empty Weight (kg)	102	114	143	198	227	332	391	447	582

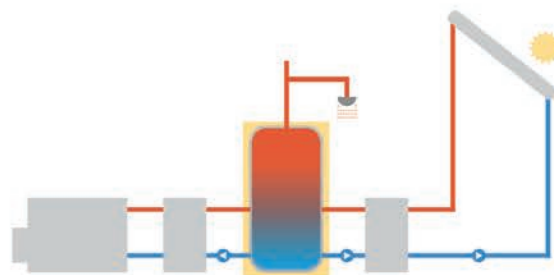
ENAMEL HOT WATER TANKS



BA Series Accumulation Tanks

Consistent solution for domestic hot water storage. Keeps the heated water at a constant temperature because HCFC-free PU insulation minimizes heat losses. Can be used in constructions such as villas, apartment buildings, hospitals, hotels, dormitories and industrial facilities. Hygienic solution with enamel coating. Optional electrical booster support is available.

	BA100	BA160	BA200	BA350	BA500	BA600	BA800	BA1000	BA1500	BA2000
Capacity (lt)	100	160	200	350	500	600	800	1000	1500	2000
External diameter (mm)	486	586	586	756	756	756	910	1010	1120	1260
Height (mm)	1100	1100	1300	1320	1770	2020	2150	2180	2470	2500
DHW inlet-outlet	1	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	2"	2 1/2"	2 1/2"
Circulation	1	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"
Empty Weight (kg)	62	68	82	108	143	162	235	302	350	470



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SOLAR EQUIPMENTS

High quality equipments to ensure successful installation and optimum performance of pump-forced Solar Water Heating Systems.



Control System

Electronic Control Systems command the pump between storage tank and solar collector according to temperature differences.



Pump Station

Pump station ensures heating liquid circulation in the solar water heating system.

Solar Collector Mounting Sets

We provide flexible mounting sets for easy and strong installations. Suitable for flat roofs and pitched roofs.



Fittings

Tight and flexible fittings for easy and durable installations.



COLLECTIVE SOLAR WATER HEATING SYSTEM



We offer collective solar water heating systems from consultancy to full service. We supply comprehensive services including consultancy, design, material supply, turn-key assembly and commissioning for hot water solutions of hotels, hospitals, apartment buildings, dormitories, military facilities, public buildings, etc. High efficiency and long durability is main characteristic of our collective solar thermal project solutions with 20 years of experience.



☑ CONSULTANCY

DESIGN ☑

☑ MATERIAL SUPPORT

TURNKEY ASSEMBLY ☑

☑ COMMISSIONING



BIOMASS SYSTEMS

Pellet Central Heating
Pellet Stove
Solid Fuel Central Heating
Solid Fuel Stove

PELLET SYSTEMS

BIOMASS COMES DIRECTLY **FROM NATURE**

Biomass stoves (pellet and wood) are popular systems of home heating both for energy savings and green energy using with comfortable programmed and automated operation.

Bural pellet stoves heats the room in which installed or entire home by burning pellet fuel. No need a separate boiler room and produces very few ashes.

Bural BTP12 Pellet Central Heating Stove

- Automatic ignition function.
- Electronic control system.
- 5 Stage combustion speed.
- Remote control.
- Controlling by room thermostat.
- Pellet diameter is 6-8 mm.
- Pump, fan, expansion tank and thermostat is located inside.
- Total 7m radiator can be connected.

Fuel type	Pellet
Heat output	16 kW + 3,5 kW
Boiler input	1"
Operating pressure	1 - 1,5 Bar
Fume pipe diameter	80 mm
Fuel loading capacity	20 Kg
Yield of heating	82%
Electricity	220 V - 50 Hz
Weight	140 Kg
Boiler water	25lt
Dimensions (D,W,H)	585mm, 550mm, 1010mm



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Bural BTP10 Pellet Stove

- Automatic ignition function.
- Electronic control system.
- 5 Stage combustion speed.
- Remote control.
- Controlling by room thermostat.
- Pellet diameter is 6-8 mm.

Fuel type	Pellet
Heat output	10 kW
Fume pipe diameter	80 mm
Electricity	220 V - 50 Hz
Weight	115 Kg
Dimensions (D,W,H)	535mm, 550mm, 1010mm



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Solid Fuel Boiler

Bural BT30 and BT40 Series Solid Fuel Boilers

- Grill section is detachable.
- Firestones can be replaced without detaching any part.
- Domestic hot water production without using a boiler or another heater.
(The water temperature is 75% of the boiler temperature, flow rate is 6 lt/min)
- Temperature is distributed to all radiators equally.
- Circulation speed can be adjusted to 3 level cycle settings.
- All kind of solid fuel can be used.
- Loading is easy with large loading lid.
- Rotating grill system discharges ashes by lever.
- Easy control the air flow by opening and closing the fan bolt.
- Electronic control system.
- Safety system against extreme hot or cold conditions.

	BT30	BT40
Fuel Type	Solid fuel	Solid Fuel
Heat Power (wood),	20 kW	30 kW
Boiler Input	1"	1"
Operation Pressure	1-2 Bar	1-2 Bar
Fume Pipe Diameter	150 mm	150 mm
Fuel Loading Capacity	20 Kg	25 Kg
Yield of heating	75%	78%
Electricity	220V 50Hz	220V 50Hz
Weight	202 Kg	237 Kg
Boiler Water Capacity	67 lt	84 lt
Water input-output	1/2"	1/2"
Dimensions	640mm, 540mm, 1090mm	640mm, 540mm, 1270mm
Radiators can be connected	12m	15m



BT30



BT40



Solid Fuel Central Heating Stove

BURAL Solid Fuel Central Heating Stoves produce heat by burning wood or any other solid fuel. With the function of heating the room in which they are installed, no need to a separate boiler room. Burning process can be watched from the fireplace window made of security glass and cooking function is available with the integrated oven.

Characteristics of BURAL Solid Fuel Central Heating Stoves

- Grill section is detachable.
- The heat is distributed to all radiators equally.
- Circulation speed can be adjusted to 3 level cycle settings.
- All kinds of solid fuel can be used.
- Due to rotating grill system, discharges ashes by manuel lever.
- Motor thermostat is exist in the indicator panel. Due to these thermostats the circulation pump initiates and terminates it's operation at the desired temperature.
- Two indicator lamps, one for electricity and the other one is for pump in function.
- Fire stones can be replaced without detaching any part.
- Can be connected to a heat exchanger to produce hot water.

	BT17	BT25	BT29	BTF25	BT22
Fuel Type	Solid Fuel	Solid Fuel	Solid Fuel	Solid Fuel	Solid Fuel
Heat Power (wood)	14kW + 2kW	18kW + 3kW	14kW + 3kW	18kW + 4kW	18kW + 4kW
Boiler input	1"	1"	1"	1"	1"
Operation pressure	1-2 Bar	1-2 Bar	1-2 Bar	1-2 Bar	1-2 Bar
Fume pipe diameter	130mm	130mm	130mm	130mm	130mm
Fuel Loading Capacity	15 Kg	20 Kg	20 Kg	15 Kg	15 Kg
Yield of heating	60%	78%	82%	70%	82%
Electricity	220V - 50Hz	220V - 50Hz	220V - 50Hz	220V - 50Hz	220V - 50Hz
Weight	114 Kg	176 Kg	195 Kg	178 Kg	180 Kg
Boiler Water Capacity	20 lt	37 lt	53 lt	60 lt	34 lt
Dimensions (D, W, H)	560mm, 550mm, 940mm	590mm, 550mm, 1060mm	590mm, 550mm, 1250mm	590mm, 550mm, 1050mm	550mm, 1000mm, 900mm



BT17

BT25

BT29

BTF25

BT22



Solid Fuel Stove

BURAL Solid Fuel Stoves produce heat by burning wood or any other solid fuel. With the function of heating the room in which they are installed, no need to a separate boiler room.

Burning process can be watched from the fireplace window made of security glass and cooking function is available with the integrated oven.

Characteristics of BURAL Solid Fuel Stoves

- Grill section is detachable.
- All kinds of solid fuel can be used.
- Due to rotating grill system, discharges ashes by manual lever.
- Fire stones can be replaced without detaching any part.

	BTS13	BTS14	BTKS19
Fuel Type	Solid Fuel	Solid Fuel	Solid Fuel
Heat Power (wood)	8kW	7kW	12kW
Fume pipe diameter	130mm	130mm	130mm
Weight	115 Kg	85 Kg	160 Kg
Dimensions (D, W, H)	560mm, 550mm, 940mm	610mm, 410mm, 915mm	585mm, 550mm, 1250mm



BTS13



BTS14



BTKS19



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