

ARTFLAME 500

Manual bio-ethanol burner



EU CLASS NORM



ECO & SAFE
BEST FOR YOU



ECO HEATER

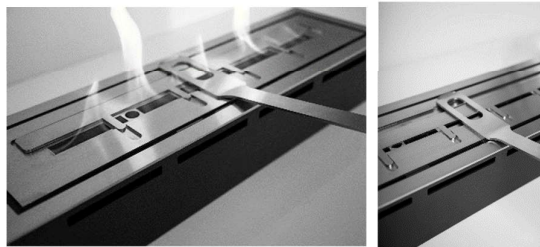


SAFE CONTROL

100% ORIGINAL

by BIOPASJA

code: A500



Artflame 500 bioethanol burner is crafted of 3mm brushed stainless steel or black steel enamel glossy black coated, equipped with SAFE CONTROL - ventilated safety chamber for thermal insulation and protection against overdue bioethanol outside the combustion chamber. The device is finished with an elevation frame with high tolerance for easy and safe mounting in any facade. Bioethanol quantity indicators allow easy operation, and ECO HEATER - V-shaped tank together with catalyst insert ensures full combustion process and proper flame. The Artflame burner are operated with us of a stainless cold handle for flame regulation or for turning the burner off. Optionally, the burners can be interconnected as modules to create an extended burner unit. Refilling is made quite easy for each burner by having support for bioethanol hose stub. Bioethanol pump is optional delivery.

Specification bio-ethanol burner ARTFLAME 500:

External dimensions in mm length / width / height	572 / 208 / 102
Flame line length in mm	400
Flame height adjustment	Manual - stainless cold handle
Tank capacity	2,0 L
Combustion time	up to 6 h
Consumption average at maximum opening for 6 hours	0,33 L/h
Maximum heat kW/h or BTU/h	1,92 kW/h & 6600 BTU/h
Calorific value of fuel /with consumption of 1 L bioethanol (7,4 kW/kg x 0,789 kg/L = 5,839kW/L & 19,920 BTU/L)	5,839 kW/L & 19,920 BTU/L
Net weight without bioethanol	11 kg
Required min air venting grid for proper combustion cm2 (100cm2 x 1.92kW)	192 cm2
Operating airflow rate, factor 99.4 Nm ³ /h / 0.1L/h	32,8 Nm ³ /h / 0,33 L/h *
Minimal room size m ³ (desired temp. increase with 5°C) & heating area capacity 0,1kW per 1m ² for well-insulated space	39 m ³ & 20 m ²

* Nm³ stands for m³ of gas in normal conditions (101235 Pa) The value includes the moisture content of ambient air 50% relative humidity Rh

Note: All calculations and figures presented are based on controlled testing and should be considered as theoretical estimates. Actual performance may vary due to environmental conditions, room configuration, and usage patterns.



EASY ASSEMBLY



INDUSTRIAL DESIGN



FLAME CONTROL



FUEL EFFICIENCY



SECURE COMBUSTION CHAMBER

Availability

Our 9 basic models varying in dimensions from 400 to 1200 mm with heating output from 2,1 to 6,24 kW/h as single unit. Our unique design delivers the ability to combine burners into modules, this option gives almost unlimited adaptability to combine different flame length.

Safety "SAFE CONTROL chamber"

All our Artflame burners are equipped with SAFE CONTROL – a ventilated sealed safety chamber, which is designed to pick up any spillage during refilling, same time this prevent from transfer heat outside the burner primer zone, with this SAFE CONTROL our burners can be directly installed in any furniture applications etc. without transferring any heat outside.

Repeatability

Production at every step supervised and performed by a modern machine park: laser or water cutting machines, press brakes, and welding robots.

Ecology

The materials used meet EU requirements and our suppliers meet the CE certified. The device has an ECO HEATER - a V-shaped tank, together with a catalyst insert ensure proper combustion behavior, primer zone where gaseous fuels are easily mixed with air and burn directly through gas phase reaction.

Quality

Artflame burners made of high-quality acid-resistant steel – heat-resistant, which is characterized by continuous operation at elevated temperatures. Numerous structural reinforcements have been used to ensure the stability of the structure to insure control and safety in use.

Warranty

All burners pass the control path, including a leak test.

Manufactured and tested according European Standard EU norm EN 16647 Predicate to test report no. 3515 A1 21

1. Catalyst / heater insert
2. Ventilated torch primary zone, and overflow safety chamber
3. Slider for smooth adjustment of intend flame and to turn burner on/off
4. Cold handle for zipper controls the slider
5. Refilling hole fits the diameter of the funnel or bio pump hose stub.
6. Level indicator, quantity of bioethanol min / max
7. Mounting elevation frame for easy installation in any facade
8. Ventilation "secondary air zone" safety chamber
9. Optional façade, installation cut out dimensions 560 x 192 x min 110mm

