

ARTFLAME

Manual bioethanol burner



EU CLASS NORM

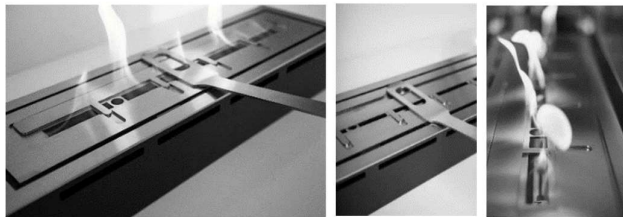


ECO & SAFE
BEST FOR YOU



100% ORIGINAL

by BIOPASJA



Artflame bioethanol burner is made of brushed stainless steel, 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 cold handle for flame regulation or for turning the burner off. Optionally, the burners can be combined as modules into one long burner unit. Refiling is made quite easy for each burner by having support for bioethanol hose stub. Bioethanol pump is optional delivery.

Artflame

Artflame model and code	.A400	A500	A600	A700	A800	A900	A1000	A1100	A1200
Dimensions A & B mm	A: 4072 B: 4054	A: 5072 B: 5054	A: 6072 B: 6054	A: 7072 B: 7054	A: 8072 B: 8054	A: 9072 B: 9054	A: 1072 B: 1054	A: 1172 B: 1154	A: 1272 B: 1254
Adjustable flame in mm	300	400	500	600	700	800	900	1000	1100
Volume capacity - litter (bioethanol)	1,6L	2,0L	2,4L	2,8L	3,2L	3,6L	4,0L	4,4L	4,8L
Fuel efficiency in hours	<6 h	<6h	<6h	<6h	<6h	<6h	<6h	<6h	<6h
Amount of ethanol combusted at maximum opening /hour	0,26L/h	0,33L/h	0,40L/h	0,46L/h	0,53L/h	0,60L/h	0,66L/h	0,73L/h	0,80L/h
Maximum heat at maximum opening/hour	2.0kW/h	2,5kW/h	3,1kW/h	3.6kW/h	4,1kW/h	4,6kW/h	5,1kW/h	5.7kW/h	6,2kW/h
Net weight without bioethanol	10,0 kg	11,0 kg	12,0 kg	14,0 kg	16,0 kg	18,0 kg	20,0 kg	22,0 kg	24,0 kg
Required air venting grid, in cm2	146 cm ²	182 cm ²	218 cm ²	255 cm ²	291 cm ²	328 cm ²	364 cm ²	400 cm ²	437 cm ²
Operating airflow rate, factor 99.4 Nm3h / 0.1L/h	25,8 Nm ³	32,8 Nm ³	39,8 Nm ³	45,7 Nm ³	52,7 Nm ³	59,6 Nm ³	65,6 Nm ³	72,5 Nm ³	79,5 Nm ³
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* Nm³ stands for m³ of gas in normal conditions (101235 Pa) The value includes the moisture content of ambient air 50% relative humidity Rh



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

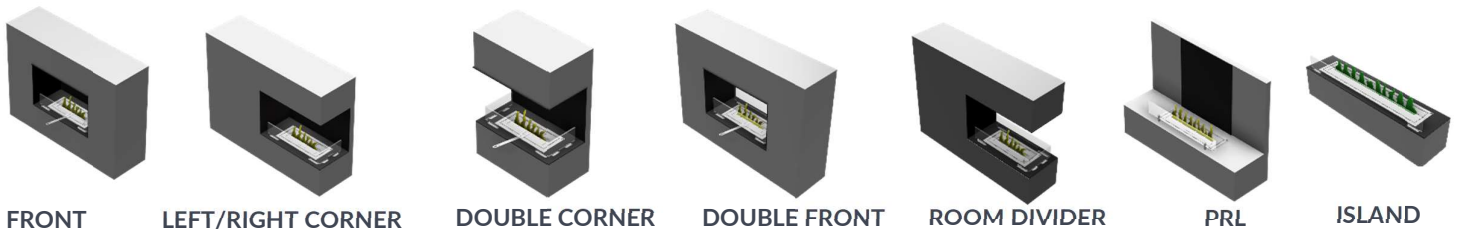
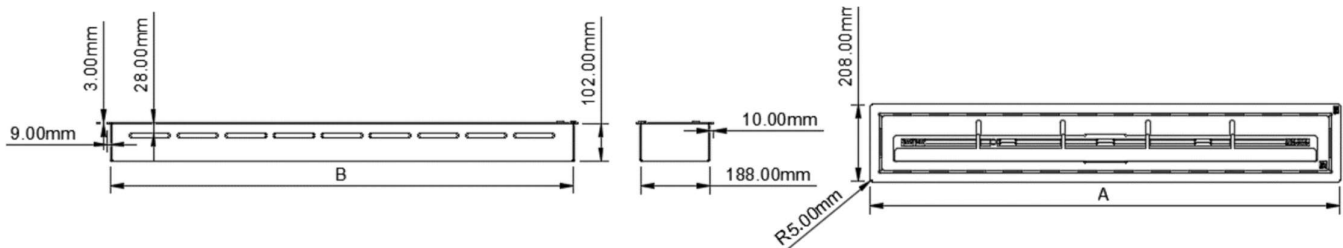
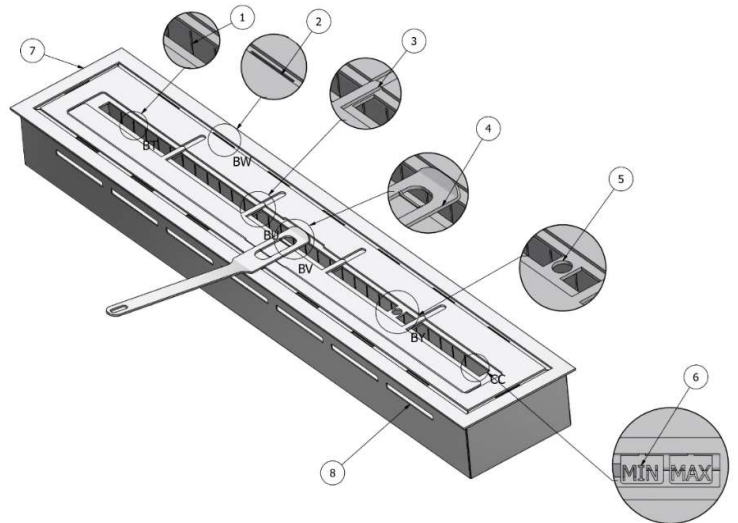
Artflame burners made of high-quality acid-resistant steel – heat-resistant, which is characterized by continuous operation at elevated temperatures. Numerous structural reinforcements have been used to ensure the stability of the structure to insure control and safety in use.

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



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