

## AT530

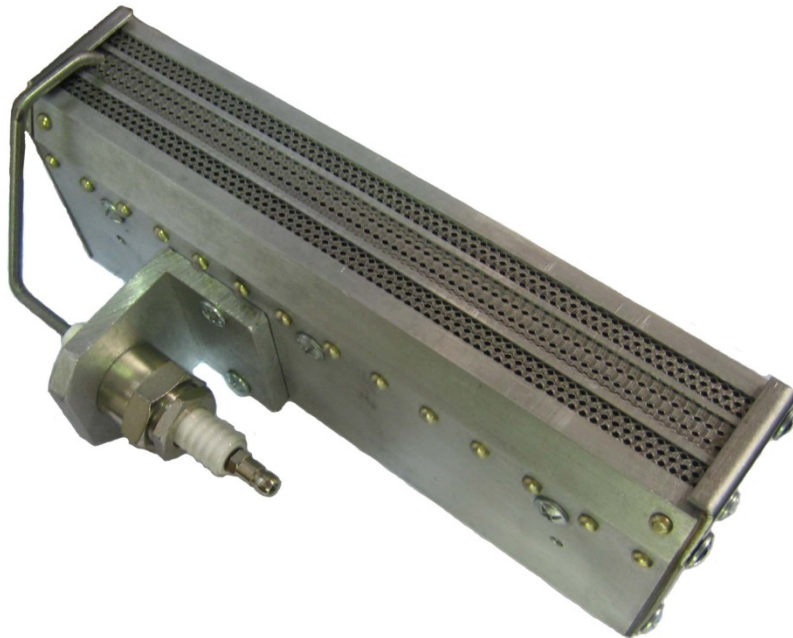
### Lightweight, Aluminium - Flame Treatment Burner

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#### Description

The Aerogen AT530 lightweight aluminium burner is specifically designed and engineered by Aerogen for the Flame Plasma Treatment of plastic materials with complex shapes, such as automotive components. The AT530 burner is designed to deliver a high energy output flame that is very stable; this allows for fast, consistent coverage of flame treatment over significantly three dimensional surfaces.

The aluminium design provides an advantageous lighter payload in the instance of the burner being manoeuvred by a robot. The burner operates in conjunction with a fuel mixture provided by an Aerogen combustion control cabinet.



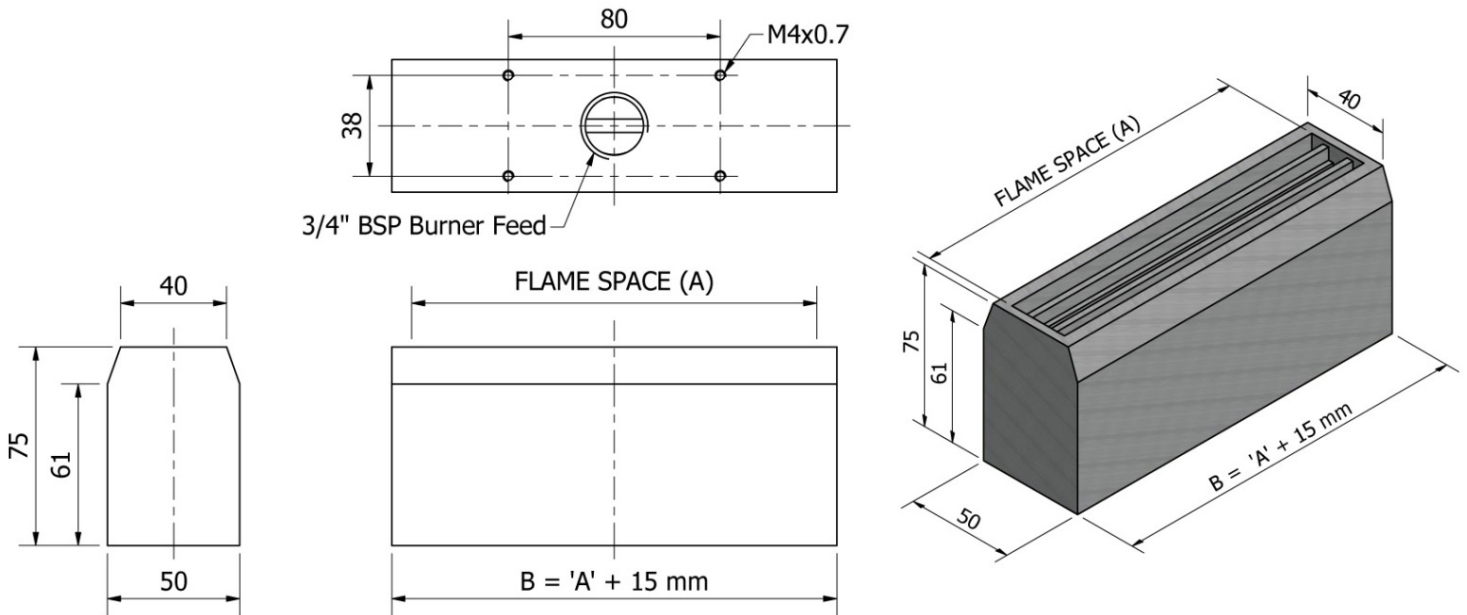
#### Features:

- Unique design, industry proven over 20 years.
- Extended active treatment zone of 40 –200mm in height.
- High levels of flame plasma stability with no flame lift.
- Regular, uniform flame configuration over the burner width.
- Lightweight body of aluminium construction.
- Suitable for flame treating three dimensional contoured surfaces.
- Flame space up to 23 inches (300 mm).

#### Applications:

- Polypropylene car bumpers, instrument panels etc.

## Schematic Diagram



## Burner Selection Table

Aerogen part Number	Output Btu's/hr	Output Kw/hr	Dimension "A" Flame space	Dimension "B" Burner length	Shipping Weight
BUA530-2	20,000	5.86	2" (50.8mm)	66mm	0.45Kg
BUA530-4	40,000	11.72	4" (101.6mm)	117mm	0.74Kg
BUA530-6	60,000	17.58	6" (152.4mm)	167mm	1.11Kg
BUA530-8	80,000	23.45	8" (203.2mm)	218mm	1.45Kg
BUA530-10	100,000	29.31	10" (254.0mm)	269mm	1.78Kg
BUA530-12	120,000	35.17	12" (304.8mm)	320mm	2.11Kg

- Notes: i) Add **-ASSY** to the end of the part number to include the burner electrode.  
 ii) Specific bespoke burner lengths and end feed fuel inlet options are available on request.