



**BACKER
HOTWATT**



**Replacement Elements
For Serpentine Air Heaters**

Replacement Elements For Existing Chambers & Housings



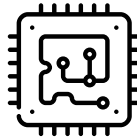
Automotive

Heating and curing adhesives, windshield bonding, and metal processing.



Medical

Sterilization of medical equipment, IV warming, temperature regulation.



Electronics

Remove components from circuit boards, heating, soldering & desoldering.



Food/Packaging

Finishing paper products, sealing cartons, and aseptic.



Plastics

Removal of mold flash, plastic forming, preheating, & plastic welding.

Construction/Specification

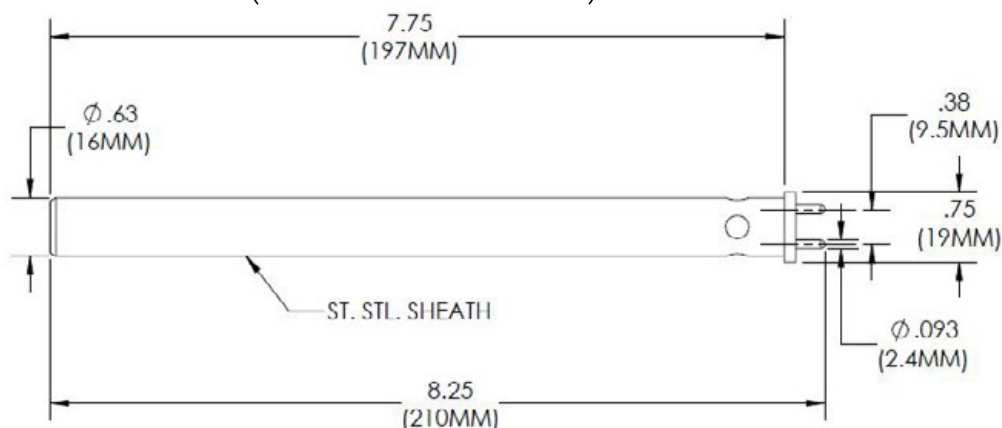
- Highest quality stainless steel and ceramic components for reliability
- Ruggedized construction for long service life
- Air temperature controllable to 1500°F (815°C)
- Up to 6 KW UL (pending approval) heating elements
- Can be installed horizontally or vertically
- RoHS/CE compliant
- Replaceable element design
- Designed to fit existing triple pass air heaters available on the current market.

Performance / Selection

- Determine the volume of air or inert gas (SCFM) you will be heating
- Determine the temperature rise in degrees Fahrenheit ($\Delta T^{\circ}F$)
- Calculate wattage required as follows:

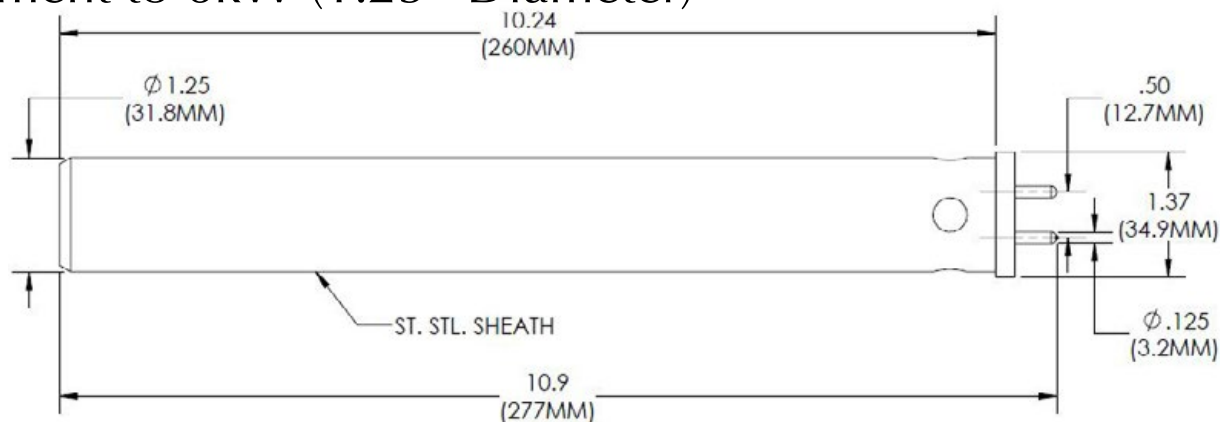
$$Watts = \frac{SCFM \times \Delta T^{\circ}F}{3}$$

Element to 3.6kW (.63" Diameter)



Replacement Heater DIA	Replacement Heater Length (Including Pins)	Fits Housing DIA	Fits Housing Length	Watts	Volts	Max Amps	Part Number
0.63" (16 MM)	8.25" (210MM)	1.5"	10"	500	120	4	AP0620775004
0.63" (16 MM)	8.25" (210MM)	1.5"	10"	700	120	6	AP0620775005
0.63" (16 MM)	8.25" (210MM)	1.5"	10"	900	120	7	AP0620775006
0.63" (16 MM)	8.25" (210MM)	1.5"	10"	2000	240	8	AP0620775001
0.63" (16 MM)	8.25" (210MM)	1.5"	10"	2800	240	12	AP0620775002
0.63" (16 MM)	8.25" (210MM)	1.5"	10"	3600	240	15	AP0620775003

Element to 6kW (1.25" Diameter)



Replacement Heater DIA	Replacement Heater Length (Including Pins)	Fits Housing DIA	Fits Housing Length	Watts	Volts	Max Amps	Part Number
1.25" (31.8 MM)	10.9" (277 MM)	2.13"	12.9"	1250	120	10	AP1201024007
1.25" (31.8 MM)	10.9" (277 MM)	2.13"	12.9"	1500	120	12	AP1201024008
1.25" (31.8 MM)	10.9" (277 MM)	2.13"	12.9"	2000	120	16	AP1201024009
1.25" (31.8 MM)	10.9" (277 MM)	2.13"	12.9"	5000	240	21	AP1201024004
1.25" (31.8 MM)	10.9" (277 MM)	2.13"	12.9"	6000	240	25	AP1201024005



	Maxi Flow Air Heater	Pure Flow Air Heater	Standard T Air Heater	Heavy Duty Air Heater	Triple Pass Air Heater
Temperature	600°F 315°C	800°F 430°C	1000°F 540°C	1200°F 650°C	1500°F 815°C

Backer Hotwatt carries a complete line of air heating solutions with temperature up to 1500°F. We meet the heating needs for a variety of industries including manufacturing, medical, baking, drying, packaging, plastics, and electronics.

For more information on our heating products, ask your representative or distributor about Hotwatt's full line of air heating solutions.

Backer Hotwatt, established in 1952, a leader in manufacturing resistance heating elements for over 65 years, began with the manufacturing of one product, the open coil heating element. Since then, Backer Hotwatt has expanded our product line to include cartridge, air process, immersion, strip and finned strip, tubular and finned tubular, band, foil, flexible glas-rope®, crankcase and ceramic heaters. We have evolved from a large supplier of the appliance industry to become a quality supplier to a variety of OEM's in the industrial, medical, commercial, packaging, instrumentation, aviation, transportation, refrigeration/air conditioning and military fields. In addition, we can supply compatible accessory items, which enable us to offer a complete heater system.

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