

MAXIMUM FLOW AIR HEATERS

For Low Pressure, High Flow Air Heating

AHF Series
Starts at

£66



- ✓ 102 mm OD Mounting Flange
- ✓ Air Flows Up To 200 CFM*
- ✓ Exit Air Temperatures up to 315°C
- ✓ Post Terminals Junction Box

APPLICATIONS

The AHF series maximum flow air heaters are used with blowers or recirculating air in baking, drying, and preheating applications.

This air heater is designed with a 60 mm OD aluminium tube and a cross frame heating element for minimum resistance to air flow. The nickel-chrome heating element is insulated by ceramic beads on a stainless steel support frame which is firmly secured to the inside of the tube. Post terminals enclosed in a junction box simplify the wiring. A 102 mm round flange with pre-drilled holes at the inlet side are used for mounting the heater. It has a practical operating range of up to 200 CFM with temperatures up to 315°C.

Calculate the flow rate, temperature rise, or power requirement as follows:

$$\text{Watts} = \text{SCFM} \times T / 3$$

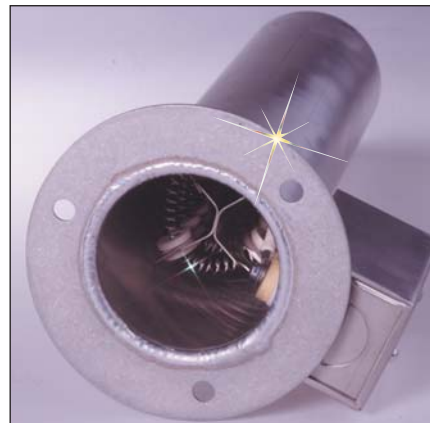
$$\text{SCFM} = \text{Standard Cubic Feet Per Minute}$$

$$T = \text{Temperature Rise in Degrees F from the Inlet to the Outlet}$$

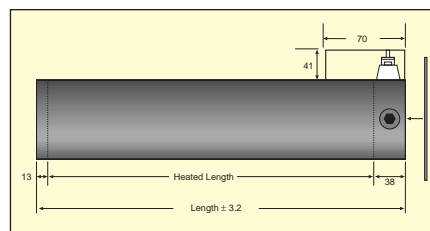
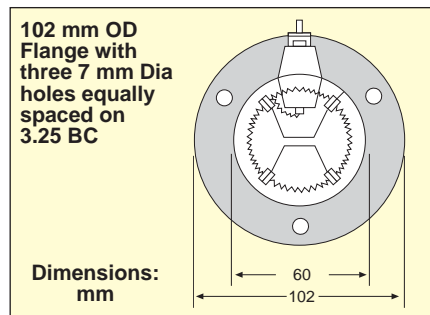
Minimum flow rates are given in the table to right.

SPECIFICATIONS

Maximum Amperage: 15
Cross Sectional Flow Area: 22.6 square centimetres
Threaded Terminals: 6-32



Nickel-Chrome Heating Element Insulated with Ceramic Beads



AHF-10120, £85, shown smaller than actual size.



CFM	Max Watts/Linear Inch of Heated Length
1	150
2	150
4	150
6	150
8	150
10	150
20	175
30	275
40	350
50	450
60	525

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)								
Model Number	Volts	Watts	Heated Length mm	Watts/Inch**	Maximum CFM	Length mm	Price	Weight kg
120 Vac Models								
AHF-06120	120	600	102	150	200	152	£66	0.23
AHF-10120	120	1000	203	125	200	254	85	0.57
120/240 Vac Models*								
AHF-12240	120 240	375 1500	254 254	38 150	200 200	305	97	0.68
AHF-14240	120 240	500 2000	305 305	42 166	200 200	356	107	0.79

* These air heaters can be operated on either 120 or 240 Volts. Specifications are given for operation on both 120 and 240 Volts.

** Indicates Watts per inch of heated length. Use the table above to determine minimum required flow rates. The watts per inch of heated length can be changed by reducing the operating voltage or by ordering a custom made heater. Stainless steel construction also available. Consult Sales.

Ordering Example: AHF-12240, air heater, 240 Vac, 1500 W, £97.



UNITED STATES

www.omega.com

1-800-TC-OMEGA

Stamford, CT.

CANADA

www.omega.ca

Laval(Quebec)

1-800-TC-OMEGA

GERMANY

www.omega.de

Deckenpfronn, Germany

0800-8266342

UNITED KINGDOM

www.omega.co.uk

Manchester, England

0800-488-488

FRANCE

www.omega.fr

088-466-342

CZECH REPUBLIC

www.omegaeng.cz

Karviná, Czech Republic

596-311-899

BENELUX

www.omega.nl

0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters