

# Air Blow Heater

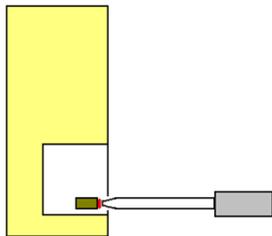
## Laboratory Kit 4AM-100

### Easy Temperature Control

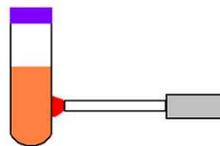


#### ◆ Feature ◆

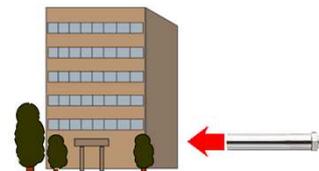
- 1 Since it is a kit, the Air Blow Heater can be used easily.
- 2 Output a moment 800 °C high temperature hot air.
- 3 Equipped with a pump of 4ℓ per minute.
- 4 Hot blow heating can be performed only with 110V power supply.
- 5 Equipped with a thermocouple to the hot air blow section.
- 6 Temperature can be managed easily.
- 7 Outline diameter Φ4mm. Super Small.
- 8 Air is supplied, and it heats and only blows off!
- 9 No flame safe and clean! No flame, it can easy clearly photo shoot!



Electron-microscope  
sample heating

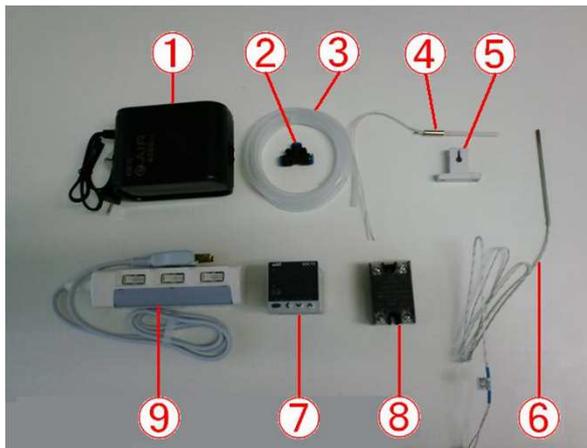


We can not make a large  
amount of sample.  
→ Heating the piece only one!

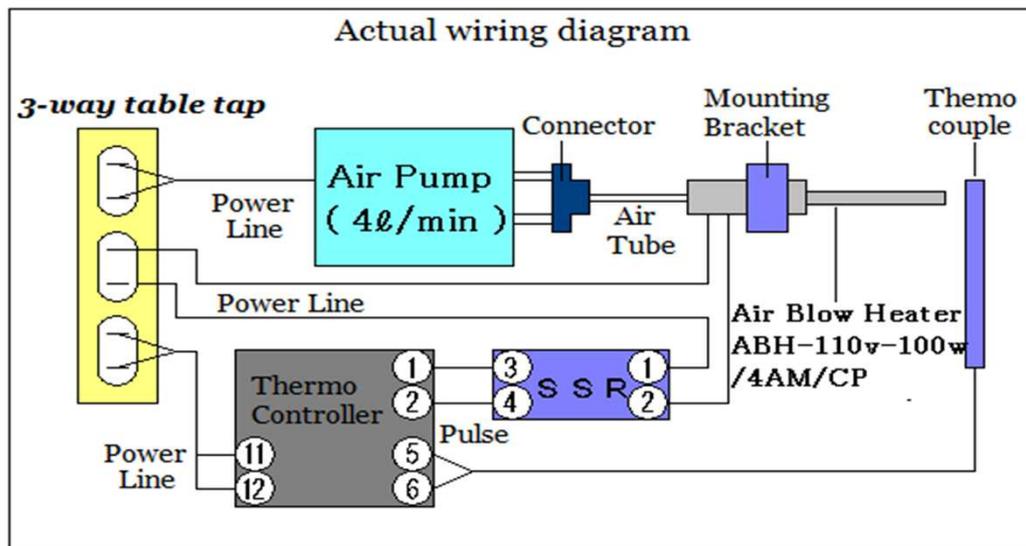
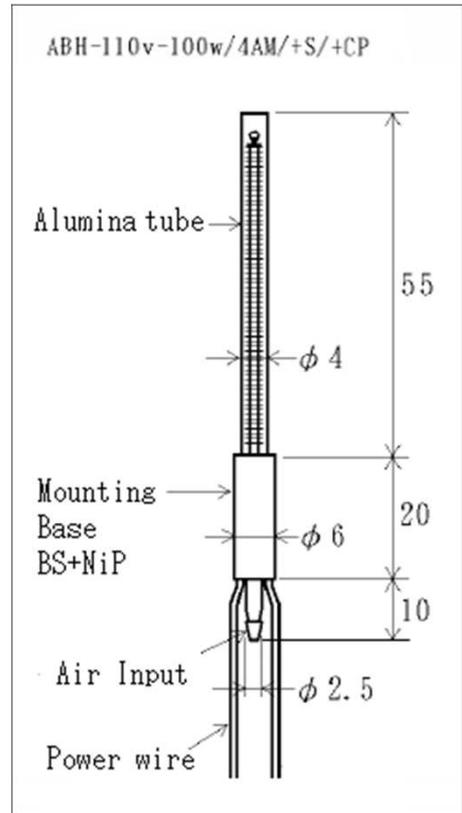


Bonding strength test of tile building  
The test point was heated by Air Blow Heater.  
Heat cycle testing could be done now  
using a program temperature controller.

# Heat-tech



- ① Air pump 4 ℓ per minute. (AC100V)
- ② Connector Pump to Air-tube
- ③ Air-tube 1m for air supply
- ④ Air Blow Heater ABH110V-100W/4AM/+S
- ⑤ Mounting bracket
- ⑥ Thermo-Couple
- ⑦ Thermo controller (AC110-240V)
- ⑧ Solid State Relay for thermo control (AC110-240V)
- ⑨ 3-way table tap with separate switch



Types of gas	ABH	Notes
Air, Oxygen *1	◎	Contain neither oil mist nor water.
Nitrogen, Argon *2	○	All inert gases can be used.
Hydrogen	△	Ignites when becoming over 600°C mixed air.
Green Gas	△	Green Gas has reduction.
Steam *3	X	ABH is impossible, DGH can be use.
Town Gas, LPG	X	Carbon cling to heat element.

\*1 Heating wires are used in Air Blow Heater has the most durable in the oxidizing atmosphere.

\*2 ABH type is used for argon and nitrogen, compared to the air life tend to be shorter.

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