

Air Breeze Heater

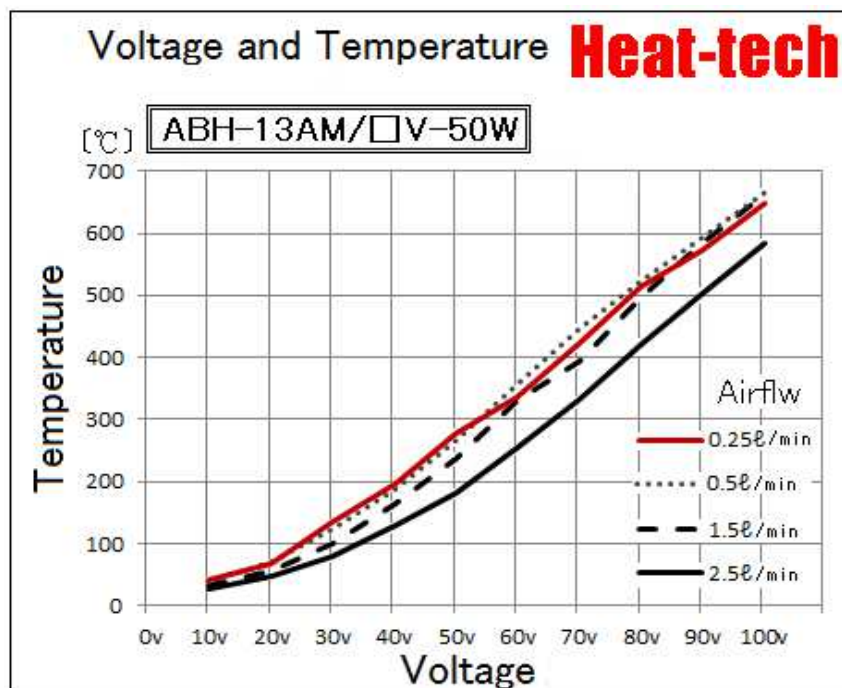
ABH-13AM/100V-50W

We were callange the limit of the Air Blow heater.
The breeze heating for 250 cc=0.25L/min which was impossible until now was realized.

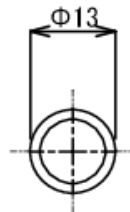


【 ABH-13M/100V-50W/L81/K with M12-R1/8 as optional parts 】

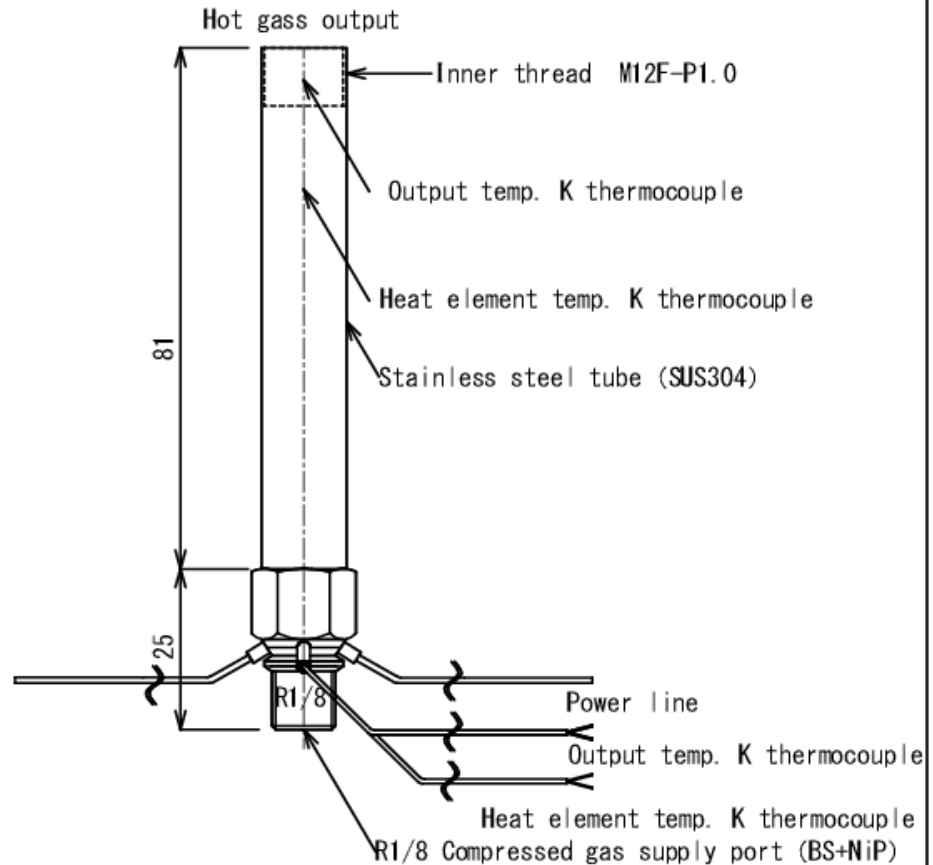
- For the oxygen shield of semiconductor heating
- For the oxygen shield of brazing and soldere
- For the air transport of powder metal 3D printer
- For the gas heating of medical equipment
- For the pre-heating of the film



M type
Threading injection



Heat-tech Co.,Ltd.
will custom-make
the threaded joint
at the tip.



【Specify at the ordering】

V Specify Voltage

【Optional addition】

- /K Output temp. K thermocouple
- /2K Output temp. K thermocouple
& heat element temp. K thermocouple
- /Pm Specify Power Line
- /Km Specify Thermocouple line

【Notes】

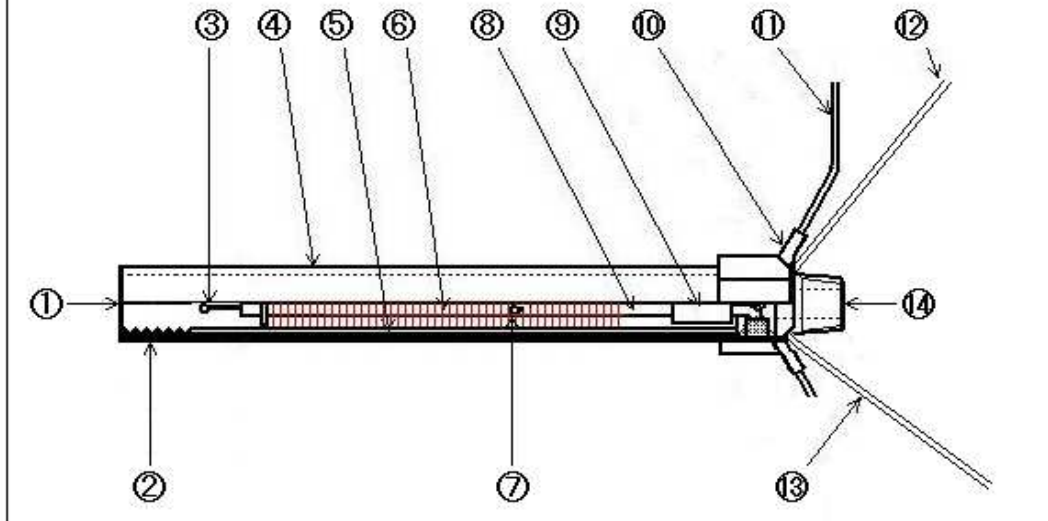
- ① Pressure resistance 0.3MPa
- ② Remove oil mist, hydration from the supply gas.
- ③ When heated without supplying cold gas,
the heater will burn out.

Wattage	50w
Voltage	100v, 110v, 120v
D/#	ABH-13AM/ <input type="checkbox"/> V-50W/L81/option
Model	For super breeze Air Blow Heater

Date	Drawing number
2023. 03. 30	ABH-E4

Heat-tech Co.,Ltd.

ABH type Basic Structure **Heat-tech**



- ① Hot air blow output
- ② Screw for attachment
- ③ Thermocouple for output air temperature
- ④ Metal case stainless SUS304
- ⑤ Heat tube Quartz glass
- ⑥ Heat element Fe-Cr-Al alloy
- ⑦ Thermocouple for heat element
- ⑧ Insulation Alumina ceramics
- ⑨ Mount base Steatite
- ⑩ Insulating silicon rubber
- ⑪ Power wire Glass cloth or Silicon rubber
- ⑫ Thermocouple for output air Glass cloth or Silicon rubber
- ⑬ Thermocouple for heat element Glass cloth or Silicon rubber
- ⑭ Air input connector Nickel plated Brass

Types of available gas

Please contact us, When it is not in the table below.

Types of gas	Evaluation	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.

ABH types are in direct contact with the gas so that the heating wire, high heat transfer efficiency, high temperature (800 °C approximately) can be obtained.

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

No-touch High Temperatures Hating

Heat-tech

HEAT-TECH CO., LTD.

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