

Vacuating correspondence Air Blow Heater

VAH series

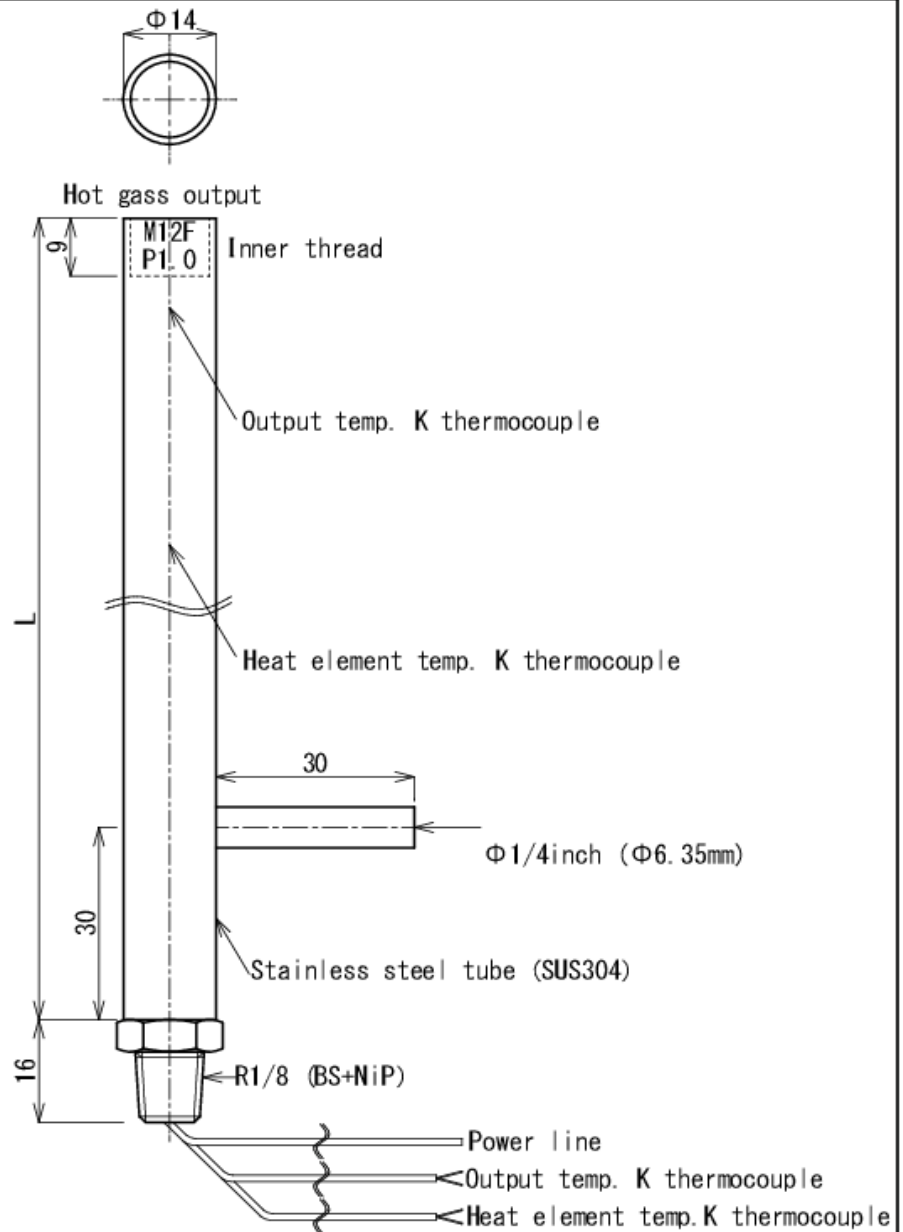
**We challenged the limit of the hot wind heater.
Enabled the evacuation was not possible until now.**



- ◆ For the high purity of the gas mixture
- ◆ For Deoxygenated nitrogen heating of semiconductor
- ◆ For Deoxygenated nitrogen heating of soldering and brazing
- ◆ For the pre-heating of the vacuum chamber



Heat-tech



【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.

【Specify at the ordering】

- V Specify Voltage
- W Specify Wattage
- L Specify Base Length

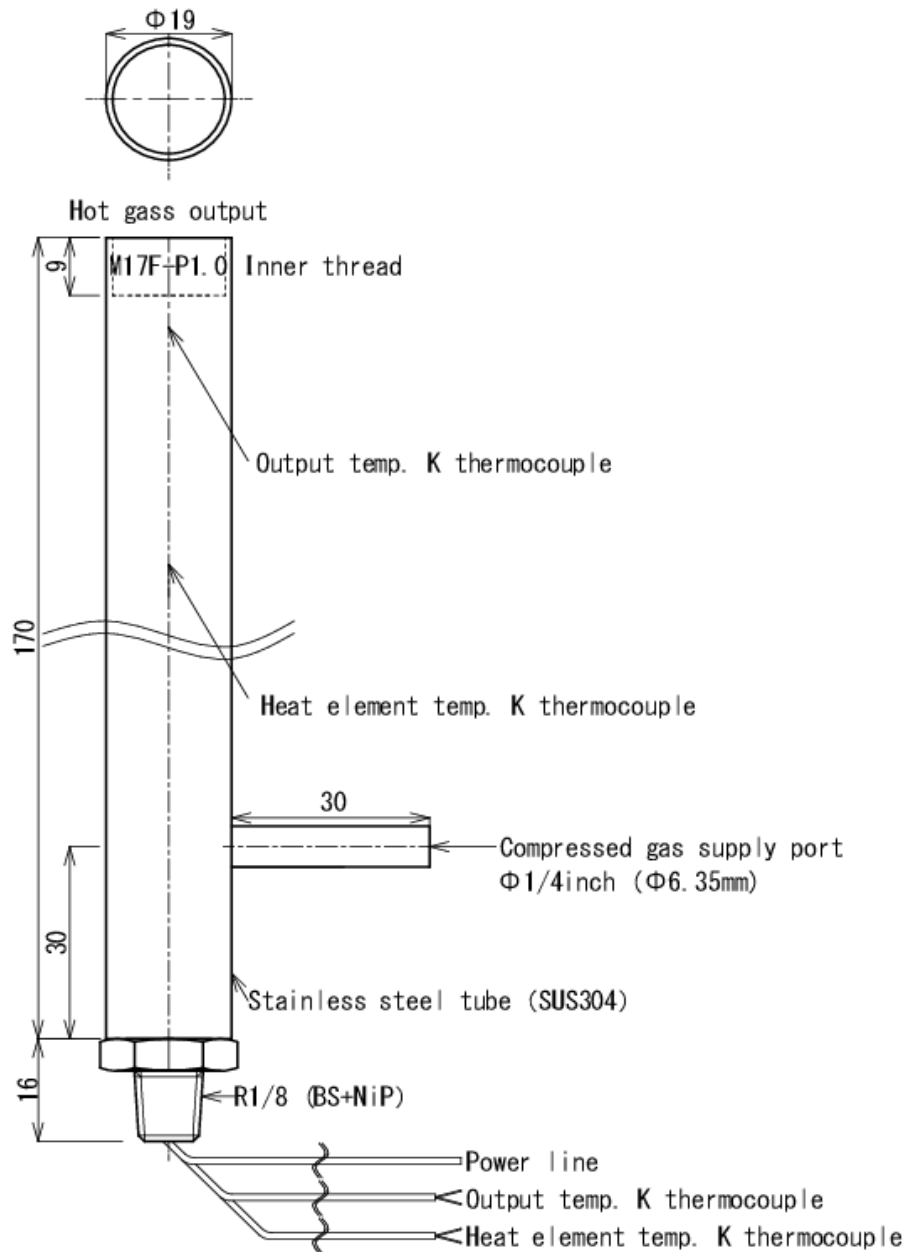
【Optional addition】

- /K Output temp. K thermocouple
- /2K Output temp. K thermocouple & heat element temp. K thermocouple
- /P□m Specify Power Line
- /K□m Specify Thermocouple line

Length	125mm	125mm	170mm	225mm
Wattage	100W	200W	650W	1000W
	200W	350W	800W	1200W
	350W	440W	50L/min or less	75L/min or less
Voltage	100V	200V	100V	200V
	110V	220V	110V	220V
	120V	240V	120V	240V
D/#	VAH-14N/□V-□W/L□/option			
Model	Vacuum correspondence Air Blow Heater			

Date	Drawing number
2023. 03. 30	VAH-E1

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【Specify at the ordering】

- V Specify Voltage
- W Specify Wattage
- L Specify Base Length

【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

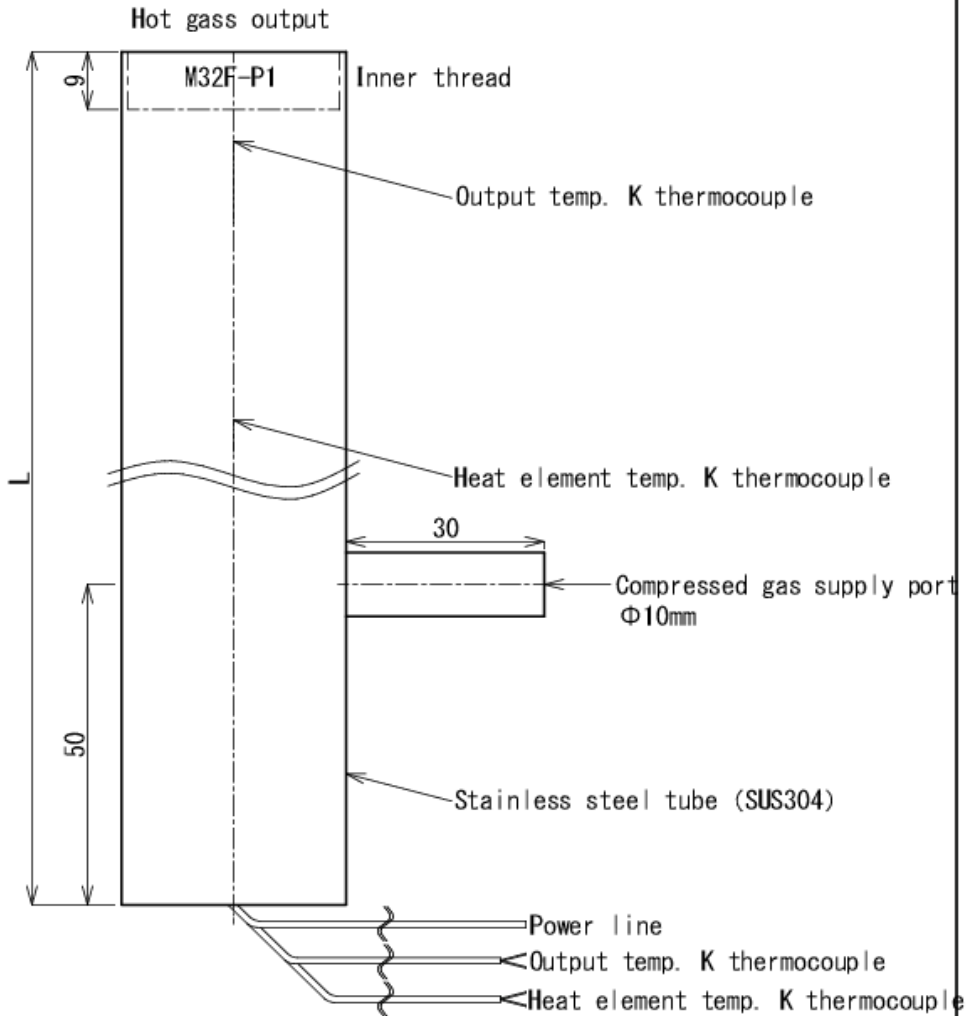
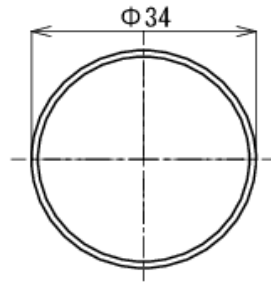
【Notes】

- 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.

Length	170mm	
Wattage	650W	1kW
	800W	1.2kW 1.6kW
Voltage	100V ~ 240V	200V ~ 240V
D/#	VAH-19N/ <input type="checkbox"/> V- <input type="checkbox"/> W/ <input type="checkbox"/> L <input type="checkbox"/> /option	
Model	Vacuum correspondence Air Blow Heater	

Date	Drawing number
2023. 03. 30	VAH-E2

Heat-tech Co.,Ltd.



【Specify at the ordering】

- V Specify Voltage
- W Specify Wattage
- L Specify Base Length

【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.

Length	245mm	315mm	465mm
Wattage	2kW	3kW	5kW
Voltage	200V	220V	230V 240V
D/#	VAH-34N/ <input type="checkbox"/> V- <input type="checkbox"/> W/ <input type="checkbox"/> L <input type="checkbox"/> /option		
Model	Vacuum correspondence Air Blow Heater		

Date	Drawing number
2023. 03. 30	VAH-E3

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- ◆ 14NM and 19NM corresponded to piping wiring using a taper screw for the leader portion of the wire.



- ◆ Air supply port pipe 1/4 inches(6.35mm), and 10mm.

Option parts input tubes connector

NPT male thread	ISO Parallel male	ISO Taper male
Φ6.35-1/8EX-NPT	Φ6.35-G1/8EX	Φ6.35-R1/8
Φ6.35-1/4EX-NPT	Φ6.35-G1/4EX	Φ6.35-R1/4
NPT female thread	ISO Parallel female	ISO Taper female
Φ6.35-1/8IN-NPT	Φ6.35-G1/8IN	Φ6.35-Rc1/8
Φ6.35-1/4IN-NPT	Φ6.35-G1/4IN	Φ6.35-Rc1/4

- ◆ Air output portion M12F, M17F, M32F taper threaded joints.



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.

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

No-touch High Temperatures Hating

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