SBH Series Foam Silicone Pipe Heaters

Product Application:

The SBH series foam silicone pipe heaters come with an integrated insulation design, offering strong adaptability and can easily wrap around pipes of different sizes; they feature uniform heating functionality and are easy to install, disassemble, and reuse, making them energy-efficient.
The SBH series foam silicone pipe heaters can be widely applied in the semiconductor industry, chemical industry, industrial manufacturing, and food processing industries, with specific applications as follows:

1.Semiconductor Industry - Wafer Production and Related Applications

- Temperature Maintenance for Specialty Gas Pipelines: Heating and maintaining a consistent temperature for gas delivery systems, including those used in vapor deposition process pipelines and exhaust gas pipelines that require high-temperature transport so as to ensure smooth gas flow.
- Heating of Cutting Fluids and Lubricants: Heating cutting fluids and lubricants in pipelines to ensure optimal performance during wafer cutting and grinding processes.
- Support for Cleaning Processes: Foam silicone heaters are used to heat ultra-pure water or other liquid chemical cleaners transported through pipelines during cleaning processes, ensuring stable cleaning results.

2.Chemical Industry

- Heating of Liquid Chemicals: Heating liquid chemical raw materials (such as resins and adhesives) transported through pipelines to prevent increased viscosity or solidification due to low temperatures.
- Petrochemical: Heating lubricant oils, fuels, or other chemical liquids transported through pipelines to reduce viscosity, facilitating transport and use.

3.Industrial Manufacturing Industry

- Resins and Polymers: Heating resins or polymers transported through pipelines to promote mixing and use.
- Industrial Wax Heating: Heating substances such as paraffin and industrial wax within pipelines to keep them in liquid form for processing or pouring.

4.Food Processing Industry

- Temperature Maintenance for Food Raw Materials: Heating barrel-sized food raw materials to prevent crystallization or solidification, facilitating processing or canning.

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www.ahjiahong.com

info@ahjiahong.com

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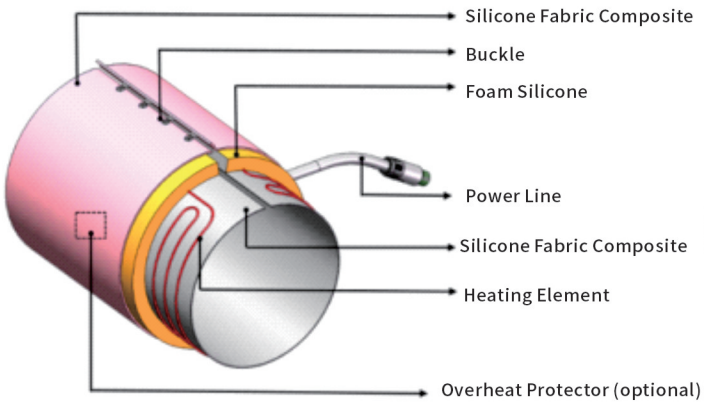
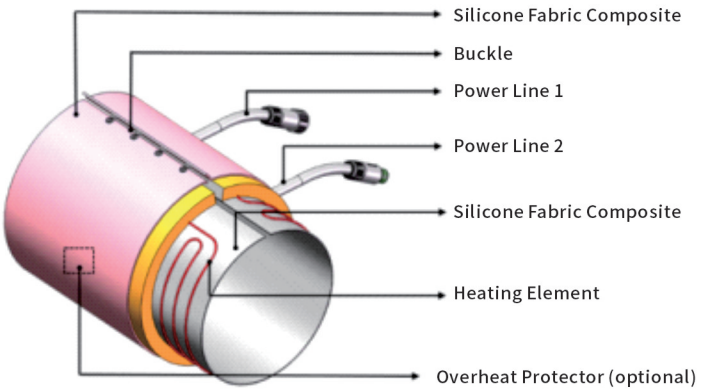
Применение изделия:

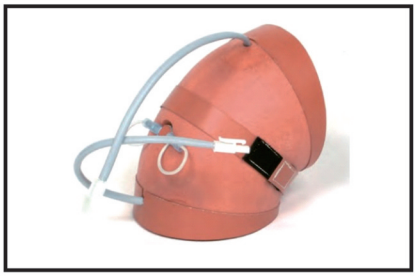


Single Foam Silicone Pipe Heater

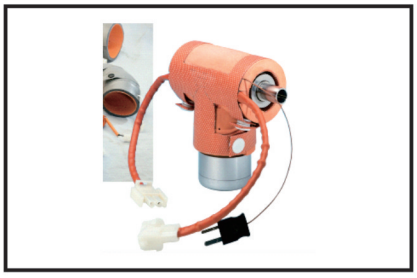


Parallel Foam Silicone Pipe Heater

Product Categories:



Bent Pipe - Foam Silicone Pipe Heater



T-type - Foam Silicone Pipe Heater

L-type - Foam Silicone Pipe Heater

Product Features:

- Custom designs can be made based on the shape and size of the piping products.
- The buckle-type interface facilitates installation and disassembly during maintenance.
- The insulation layer uses foam silicone, suitable for work environments with cleanliness requirements.
- Foam silicone pipe heaters can be used for long periods in high-temperature environments, providing good resistance to chemicals, suitable for acidic, alkaline, or other corrosive environments.
- They meet flame retardancy requirements and have IP66 characteristics.
- The embedded heating elements in foam silicone pipe heaters can quickly and evenly transfer heat to the entire barrel, and the high-quality foam silicone insulation layer effectively reduces heat loss, improving heating efficiency.

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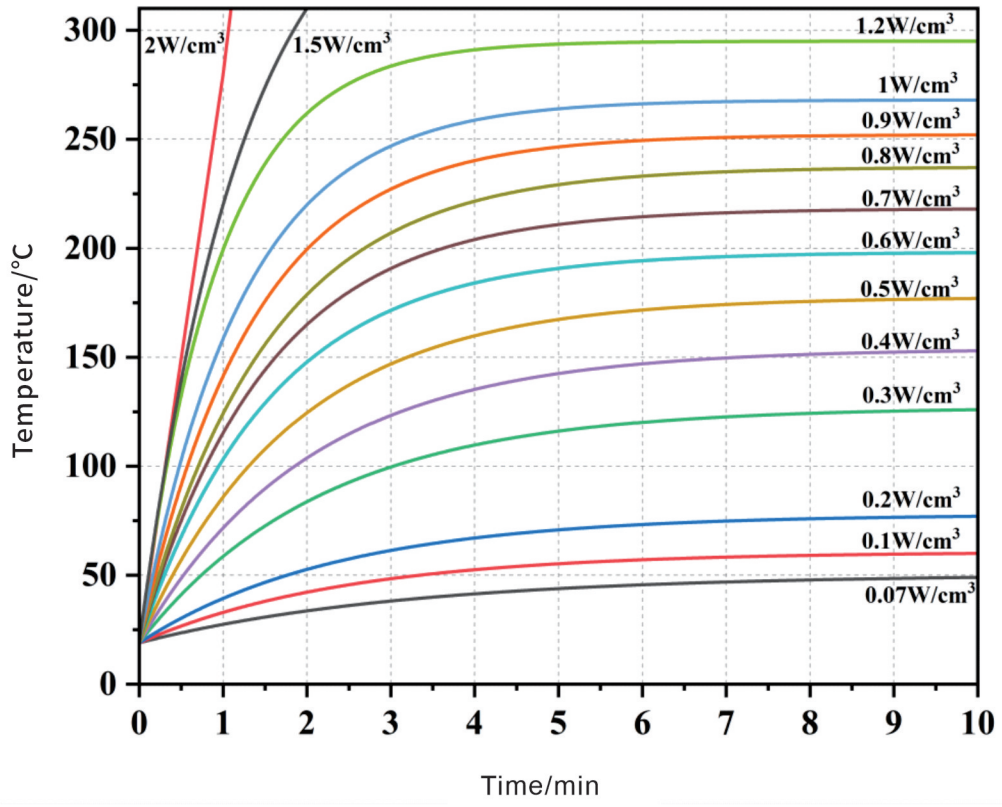
Technical Specifications:

Rated voltage:	120V, 200V
Maximum exposure temperature:	+250°C
Minimum installation temperature:	-60°C
Protection level:	Ip66
Protection level:	0.05 W/cm² ~ 1 W/cm²
Applicable Pipe Diameters:	1/4, 3/8, 1/2, 3/4, 1, 5/4 – inch (maximum 6)
Maximum holding temperature:	180°C

Power Density:

In various applications, the most common power density is 0.6 to 0.8W/cm². Depending on the installation state of the heater and different temperature control methods, significant variations may occur. Please consult customer service before selecting products.



- The surface temperature when the heater is suspended in still air at 20°C.
- The heater' s temperature will change based on the environment, heating material, shape, etc.

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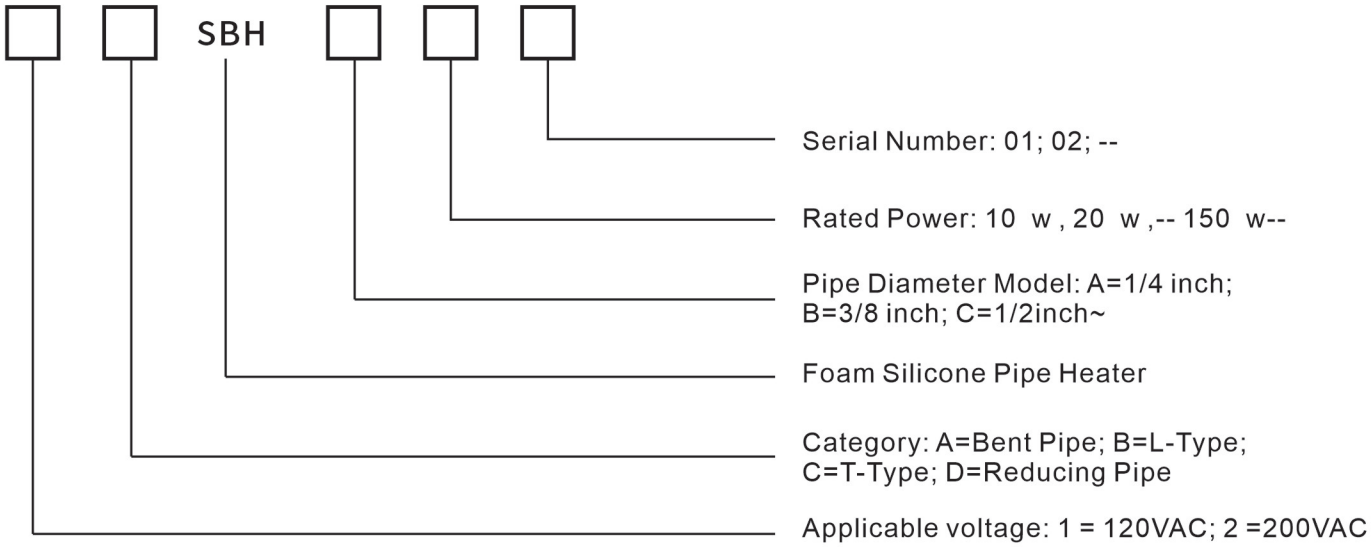
Model Definition:



Usage Precautions:

- To prevent fire hazards, do not use this product to heat or insulate flammable or ignitable liquids.
- To prevent fire hazards, do not use this product in flammable or explosive environments.
- This product does not have a forced OFF function. When not in use, please unplug the power cord from the power source.
- When storing this product or disassembling the heater, be sure to cut off the power supply and wait until the heater's temperature drops to an ideal level before disassembling.
- Ensure that the liquid level in the stainless steel pot exceeds the installation position of the heater.
- Be careful not to let liquids inside the container adhere to the heater.
- Do not pull the wires forcefully. If breaking occurs, it will affect the product's use.
- To avoid breaking the internal wires of the heater, do not bend or fold this product during installation.
- To prevent breaking the internal wires of the heater, the surface must be free of scars and should not be struck with hard objects.
- The surface temperature of the heater will rise during use; to avoid burns, do not touch the heater with bare hands.
- This product is for indoor use only. Static electricity may be generated when using this product in a dry environment, which is not a performance issue of the product.
- This product requires a compatible temperature controller for use.

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