



RIBBON HEATER

リボンヒーター

It is a belt type heater with heat resistant temperature up to 400°C/700°C.
It can accommodate complex shapes such as pipes, valves, and pumps.



Made in Japan RoHS2 Compliance Normal limit 350°C Heat Resistant 700°C

Normal limit 450°C Heat Resistant 700°C

Electrical Characteristics

Minimum voltage : Please consult us.
Maximum voltage : Up to 400V
Capacity tolerance : ±10%

■ Ribbon heater(Heat resistant 400°C/Normal use 350°C) 100V specification The 100V plug is not included. Please install it by the customer.

Width×Length(mm)	100W	150W	200W	300W	400W	500W	600W	1kW
20 × 1,000	○	○	○	○				
25 × 1,000	○	○	○	○				
30 × 1,000	○	○	○	○				
35 × 1,000	○	○	○	○	○			
40 × 1,000	○	○	○	○	○			
50 × 1,000	○	○	○	○	○			
100 × 1,000	○	○	○	○	○	○	○	○
20 × 1,500	○	○	○	○				
25 × 1,500	○	○	○	○	○			
30 × 1,500	○	○	○	○	○			
35 × 1,500	○	○	○	○	○			
40 × 1,500	○	○	○	○	○	○	○	
50 × 1,500	○	○	○	○	○	○	○	
100 × 1,500	○	○	○	○	○	○	○	○
20 × 2,000	○	○	○	○	○	○	○	
25 × 2,000	○	○	○	○	○	○	○	
30 × 2,000	○	○	○	○	○	○	○	
35 × 2,000	○	○	○	○	○	○	○	
40 × 2,000	○	○	○	○	○	○	○	○
50 × 2,000	○	○	○	○	○	○	○	○
100 × 2,000	○	○	○	○	○	○	○	○
20 × 3,000	○	○	○	○	○	○	○	
25 × 3,000	○	○	○	○	○	○	○	
30 × 3,000	○	○	○	○	○	○	○	
35 × 3,000	○	○	○	○	○	○	○	○
40 × 3,000	○	○	○	○	○	○	○	○
50 × 3,000	○	○	○	○	○	○	○	○
100 × 3,000	○	○	○	○	○	○	○	○
20 × 4,000	○	○	○	○	○	○	○	
25 × 4,000	○	○	○	○	○	○	○	
30 × 4,000	○	○	○	○	○	○	○	
35 × 4,000	○	○	○	○	○	○	○	
40 × 4,000	○	○	○	○	○	○	○	○
50 × 4,000	○	○	○	○	○	○	○	○
100 × 4,000	○	○	○	○	○	○	○	○
20 × 5,000		○	○	○	○	○		
25 × 5,000		○	○	○	○	○		
30 × 5,000		○	○	○	○	○	○	
35 × 5,000		○	○	○	○	○	○	
40 × 5,000		○	○	○	○	○	○	○
50 × 5,000		○	○	○	○	○	○	○
100 × 5,000		○	○	○	○	○	○	○

Selection Standard

Glass type(Heat resistant 400°C/Normal use 350°C) 100V specification

Product code	
Wattage	Size(mm×mm)
RB100-100-20-1000	
100	20 x 1000
RB100-200-20-2000	
200	20 x 2000
RB100-300-20-3000	
300	20 x 3000
RB100-400-20-4000	
400	20 x 4000
RB100-500-20-5000	
500	20 x 5000
RB100-1000-40-5000	
1000	40 x 5000

Silica glass type(Heat resistant 700°C/Normal use 450°C) 100V specification

Product code	
Wattage	Size(mm×mm)
SRB100-200-25-1000	
200	25 x 1000
SRB100-400-20-2000	
400	20 x 2000
SRB100-600-20-3000	
600	20 x 3000
SRB100-1000-40-5000	
1000	40 x 5000

Precautions

Material is glass cloth.
Be sure to use a temperature controller or voltage controller together with the product.
We accept orders other than the standard products. We also manufacture products for 200V and for high temperatures (heat resistant 700°C).
The width of 20 mm may be up to 25 mm due to the manufacturing process.
Be careful if the product is used in excess of the normal limit range, since the insulation resistance may drop and there is a risk of electric leakage.



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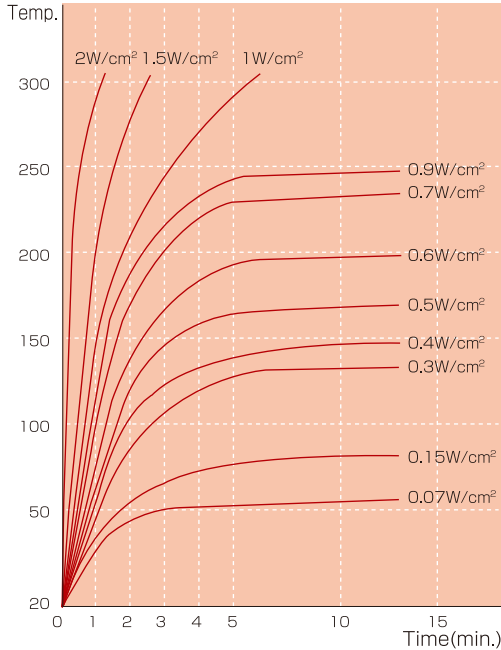
Product Overview

Order is available from one piece.

It can accommodate complex shapes such as pipes, valves, and pumps and is easy to heat and keep warm.

We also propose a temperature controller.

● Surface temperature in the air



The heater itself is measured in the air at room temperature. The surface temperature of the heater changes depending on the operating environment, the material of the heating object, shapes, etc.

Please be sure to read.

(1) Please realize the heat resistance temperature of glass fiber. ※Non-combustible

- ① General products max400°C— Normal operating temperature350°C
- ② Products for high temperatures max700°C— Normal operating temperature450°C

Cautions

① is made of ordinary glass fiber
 ② is made of silica-based glass fiber
 If the temperature exceeds the heat resistance temperature, the fiber becomes vitrified and collapses. This is dangerous causing internal thermal warfare to appear on the surface that results being in a short circuit.
 Be sure to use a temperature controller, voltage controller, input regulator, etc.

(2) Be sure to understand the weak points of the glass fiber products.

① Due to the structure of the product that is a hygroscopic electronic appliance, it is not suitable for use or storage in the following places:

It is absolutely not allowed for outdoor use.

- (A) With the heater itself with no covers
- (B) Areas where condensation can be formed
- (C) Areas where water drops, etc., may fall
- (D) Places with high acid atmosphere

② Since it is weak against friction and snags

- (A) When the heating object is vibrating
- (B) When the heating object rotates
- (C) When the heating object has burrs, protrusions, etc.
- (D) When using in areas where frequency desorption is abnormally high. However, in the case of D, it can be avoided if care is taken in handling.

Temperature control

Digital type/Suitable for more accurate temperature control (0~999°C Variable button type)

Related products



Silicone belt heater, Cord heater, Silicone spiral heater



Ribbon heater

Ribbon heaters for clean rooms

For the outer covering material, PTFE 100% cloth with excellent flexibility and chemical resistance is used which is perfect for clean room. Heat-generating wires are made of stainless fiber wire, which is resistant to bending and has excellent flexibility.



※PTFE is a sheet which is plainly woven with an original yarn that had been specially processed with polytetrafluoroethylene. (0.2 mm thick/white).

Precautions

Normal limit
350°C

Heat Resistant
260°C

※Material is PTFE.
※The connector is not included. If necessary, please contact us.

※The maximum heat resisting temperature of this product is 260°C, but to maintain the cleanness, be sure to use a temperature controller or a voltage controller together and use it at a temperature below 260°C.

※Although it will repel water on the surface, the product is not perfectly waterproof or drip-proof. Please fully take care when handling or in use.

※It is also optimal for frequent desorption.
※Please consult us if you have any orders other than the standard products.

※Products for 200V are also available.
※The 100V plug is not included. Please install it by the customer.

Selection Standard

PTFE type(Heat resistant 260°C)
100V specification

Product code	
Wattage	Size(mm×mm)
CRB100-110-20-1000	
110	20 x 1000
CRB100-220-20-2000	
220	20 x 2000

Warning

Caution of electric shock
 Never apply water to the heater or use it outdoors.
 Never operate the product with wet hands.
 Be sure to remove the connector with holding the connector part.
 Because of its material that absorbs moisture, please be careful when storing it in a humid place.

Caution for high temperature
 The temperature of the main body rises while it is energized. Do not touch it directly with your hands, etc.
 Make sure that the temperature of the heater is low before removing the heater.
 When using the product for a long time, pay attention to the peripheral equipment and the installation stand.

Caution of fire
 Do not place flammable objects near the main body and the installation stand.
 During energization, take fully care to any flammable fluids, etc.
 When using the product for the first time, the inside may burnt brown with a smoke coming out. This is a phenomenon in which the organic-based powder that was attached to improve the slipperiness when weaving the glass fabric got burnt due to the heat. It only happens during the initial use, so there is no need to worry about.

Cautions

General
 When handling the heater, do not bend or fold it back at a sharp angle because it uses a nichrome single wire.
 It may cause disconnection.
 Also the glass cloth is vulnerable to rubbing or snagging, so please be careful when attaching and removing.
 When using the product, use a slidac or voltage controller and temperature controller, and keep the surface temperature of the heater below 400°C.



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