

RIBBON HEATER

For industry, or research and development institutions



- The ribbon heater is a ribbon-shaped heater composed of a heating wire (glass-coated nichrome wire) wrapped in a fabric into which heat-resistant glass fiber is woven.

Features

High flexibility

Ribbon-shaped flexible heater
Best suited for heating or keeping the heat in pipes, special-shaped containers, or tanks.

Uniform heat generation

Uniform heat generation is achieved by evenly placed heater wrapped in a fabric into which heat-resistant glass fiber is woven.

A wide variety of products

The product lineup includes a wide range of product sizes, allowing you to choose the ideal heater for your application.
Custom heaters outside the standard specifications can also be designed and manufactured.

Standard specifications

■ Ribbon heater (100 V)

Voltage (V)	Watts (W)	Watt density (W/cm ²)	Dimensions (mm)	Product code
100	100	0.5	20×1000	C102010
100	100	0.4	25×1000	C102510
100	100	0.3	30×1000	C103010
100	100	0.3	20×2000	C102020
100	100	0.2	25×2000	C102520
100	100	0.2	30×2000	C103020
100	150	0.8	20×1000	C152010
100	150	0.6	25×1000	C152510
100	150	0.5	30×1000	C153010
100	150	0.4	20×2000	C152020
100	150	0.3	25×2000	C152520
100	150	0.3	30×2000	C153020

■ Ribbon heater (200 V)

Voltage (V)	Watts (W)	Watt density (W/cm ²)	Dimensions (mm)	Product code
200	100	0.4	25×1000	C1025102
200	100	0.2	25×2000	C1025202
200	200	0.8	25×1000	C2025102
200	200	0.4	25×2000	C2025202
200	300	1.2	25×1000	C3025102
200	300	0.6	25×2000	C3025202

(100 V)

Voltage (V)	Watts (W)	Watt density (W/cm ²)	Dimensions (mm)	Product code
100	200	1.0	20×1000	C202010
100	200	0.8	25×1000	C202510
100	200	0.7	30×1000	C203010
100	200	0.5	20×2000	C202020
100	200	0.4	25×2000	C202520
100	200	0.4	30×2000	C203020
100	300	1.5	20×1000	C302010
100	300	1.2	25×1000	C302510
100	300	1.0	30×1000	C303010
100	300	0.8	20×2000	C302020
100	300	0.6	25×2000	C302520
100	300	0.5	30×2000	C303020

■ Clean ribbon heater (100 V)

Voltage (V)	Watts (W)	Watt density (W/cm ²)	Dimensions (mm)	Product code
100	200	1.0	20×1000	CR202010N
100	200	0.5	20×2000	CR202020N
100	200	0.3	30×2000	CR203020N
100	300	0.5	30×2000	CR303020N

* NH cloth coat specifications/low dust emission specifications

Standard product specifications

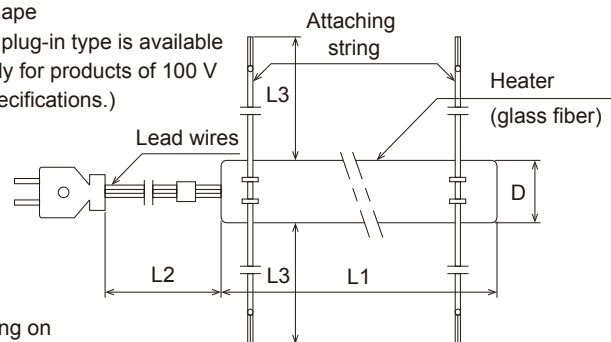
Insulating layer	Glass fiber
Heating wire	Glass coated nichrome wire
Voltage	100/200 VAC
Ribbon width (D)	20 to 30 mm
Length (L1)	1000 to 2000 mm
Lead length (L2)	100 V: 350 mm 200 V: 500 mm
String length (L3)	250 to 270 mm (The dimensional tolerance must be considered.)
Operation temp. (reference)	* For ordinary use, 300°C maximum (heater surface temp.)

*The figure is for reference only. The operation temperature varies depending on the actual environment where your heater is used.

For heater dimensions not listed above, please consult our sales representative.

■ Shape

(A plug-in type is available only for products of 100 V specifications.)



Precautions for use

- This product is for industrial use only. For details, contact our sales representative.
- To regulate the surface temperature of the heater, this product must be used in conjunction with a temperature controlling device such as a temperature controller.
- This product is intended for indoor use; it does not have a waterproof design. Do not expose the product to water or other liquid.
- When installing the heater on an object to be heated, if the heater does not come into close contact with the object, the heat-transfer coefficient decreases, causing excessive heat in the heating wire. This may result in early breakage of the heating wire.
- Since this product is composed of highly hygroscopic materials, care must be taken when it is stored in a humid place.
- Handle this product with care since glass fiber is easily damaged when it is rubbed, or caught on a sharp pointed object.



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