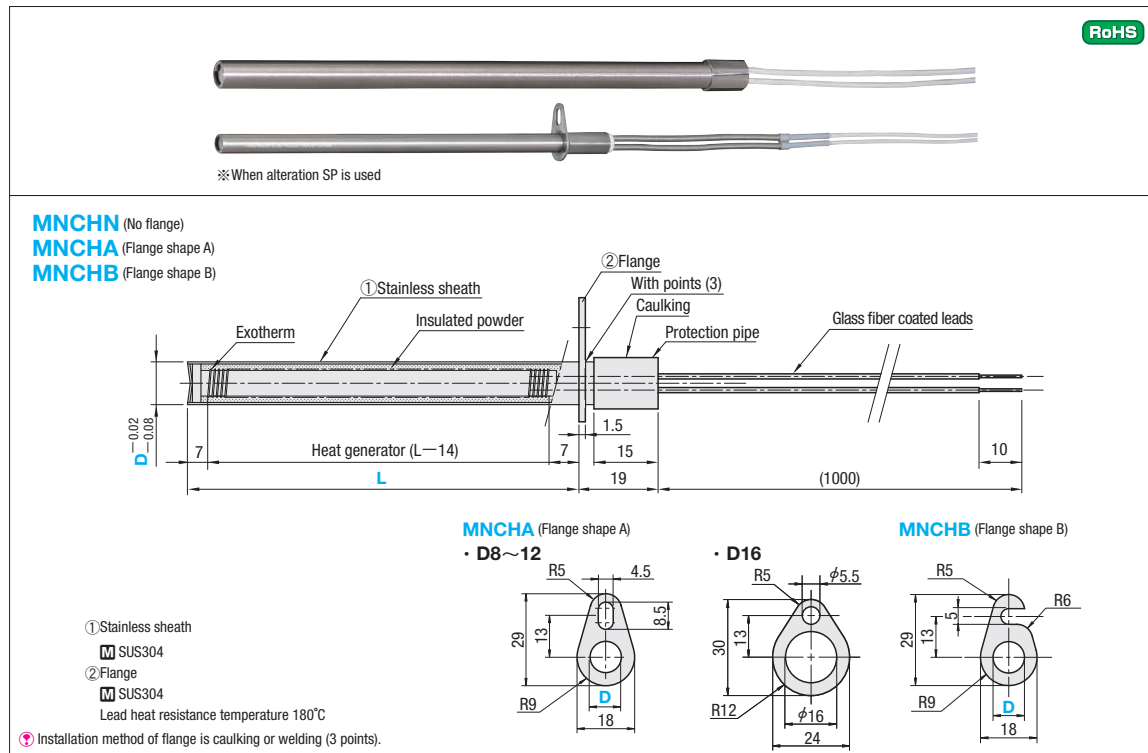


# CARTRIDGE HEATERS, WITH LEAD WIRE BOTTOM REINFORCED TYPE

—L, W, FLANGE SELECTION TYPE—



RoHS

Watt density (W/cm <sup>2</sup> )	Part Number Type		L (mm increments)	V (Voltage) Selection	W (wattage) 10W increments
	D	Part Number			
$2 \leq W/cm^2 \leq 15$ $W/cm^2 = W / \{D \times (L-14) \times 3.14 / 100\}$	8	MNCHN (No flange)	50~400	200 220	50~1100
	10	MNCHA (Flange shape A)			50~1600
	12	MNCHB (Flange shape B)			50~1800
	*16	MNCHN (No flange) MNCHA (Flange shape A)	50~600	50~2000	

Specify the wattage such that the W density (W/cm<sup>2</sup>) is within the range  $2 \leq W/cm^2 \leq 15$ . \* MNCHB: Not available for D16

Order	Part Number	L	V	W
	MNCHN 8	150	V200	W 400
	MNCHA12	300	V220	W1400
	MNCHB10	200	V200	W 600

Alterations	Code	Spec.	1Code
Change the length of the lead wire.	JC	Specification method Lead wire length (mm) JC2 2000 JC3 3000	
Fit round crimped terminal (M4) onto lead wire.	M4		Quotation
Fit Y-type crimped terminal (M4) onto lead wire.	G4		
Attach the spring that protects the lead.	SP	Designation method Length of protective spring (mm) SP100 100 SP200 200 SP300 300	

Days to Ship **Quotation**

Price **Quotation**

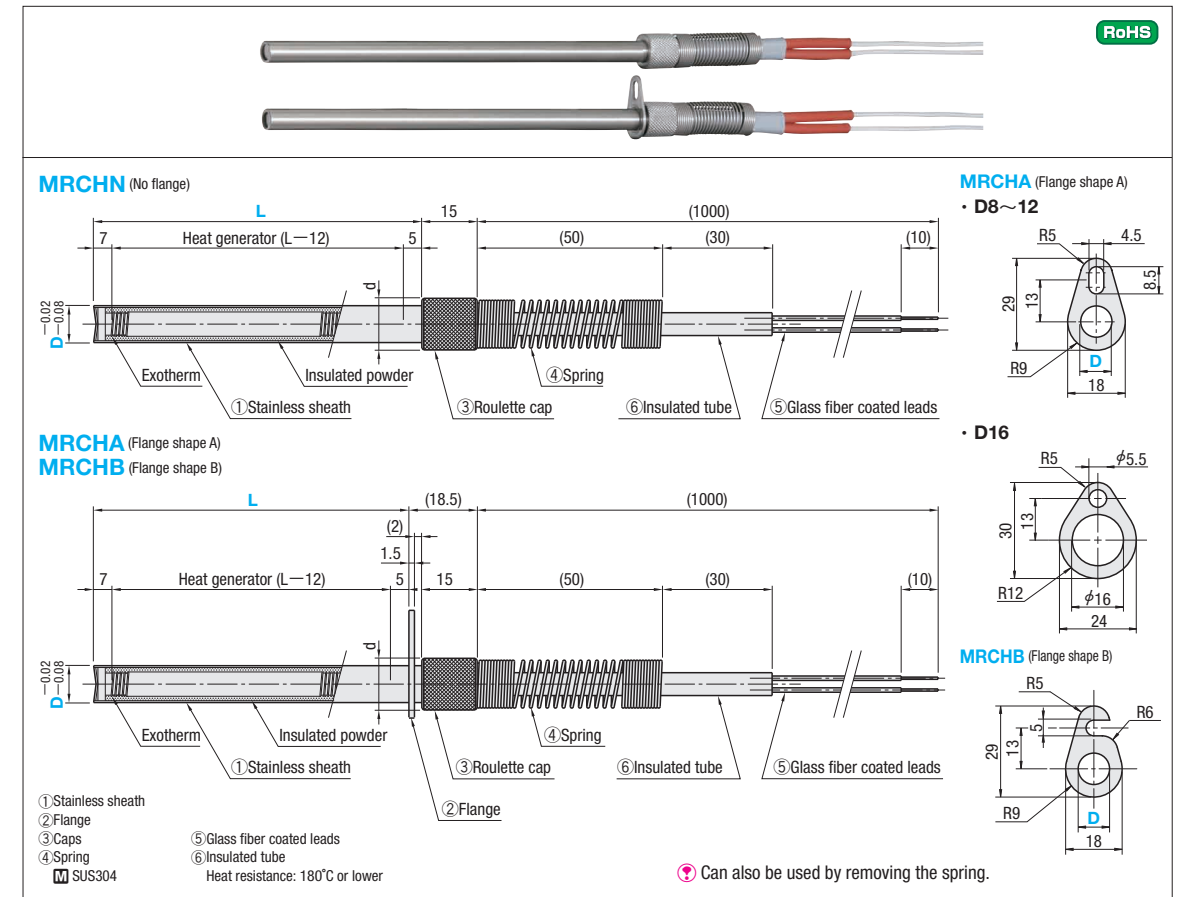
### Characteristics:

- Can prevent disconnection fault by reinforcing the bottom part of lead wire.
- Can save storage space as short in length from flange to the lead wire bottom.
- By designating alteration SP and protecting lead with spring, the bending force applied on the lead is relieved and breakage will not occur easily.

# CARTRIDGE HEATERS — WITH KNURL CAP —

—L, W, FLANGE SELECTION TYPE—

Non JIS material definition is listed on P.1351 - 1352



RoHS

d	Watt density (W/cm <sup>2</sup> )	Part Number Type		L (mm increments)	V (Voltage) Selection	W (Wattage) 10W increments
		D	Part Number			
12	$2 \leq W/cm^2 \leq 15$ $W/cm^2 = W / \{D \times (L-12) \times 3.14 / 100\}$	8	MRCHN (No flange)	50~400	200 220	50~1100
14		10	MRCHA (Flange shape A)			50~1600
16		12	MRCHB (Flange shape B)			50~1800
20		*16	MRCHN (No flange) MRCHA (Flange shape A)	50~600	50~2000	

Specify the wattage such that the W density (W/cm<sup>2</sup>) is within the range  $2 \leq W/cm^2 \leq 15$ . \* MRCHB: Not available for D16

Order	Part Number	L	V	W
	MRCHN 8	150	V200	W 400
	MRCHA12	300	V220	W1400
	MRCHB10	200	V200	W 600

Alterations	Code	Spec.	1Code
Change the length of the lead wire.	JC	Designation method Lead wire length (mm) JC2 2000 JC3 3000	
Fit round crimped terminal (M4) onto lead wire.	M4		Quotation
Fit Y-type crimped terminal (M4) onto lead wire.	G4		

Days to Ship **Quotation**

Price **Quotation**

**Features** The heater can be removed by holding the roulette cap, thus preventing damage to the lead wire or heat generating part of the heater.