

# THE EREMA HEATING ELEMENT TYPE SDL

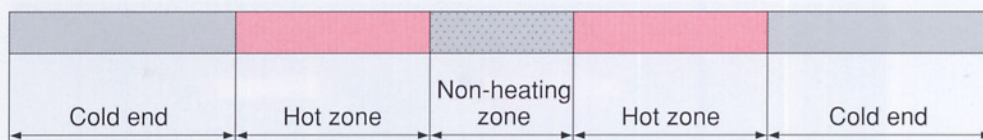
EREMA electric heating element types E and F are widely used as heat sources from 1000 Celsius to 1400 Celsius, however in recent years there has been a demand for more accurate heat distribution within the furnace. The EREMA SDL type is constructed using two hot zones with a non-heating zone located in the middle of the element. This is the cost-effective way of achieving even heat distribution.

## 1 Physical Characteristics

Type SDL is made from the same material as that of type E or F.

Physical characteristics	Type SDL
Bending strength(MPa)	50
Porosity(%)	23.0
Apparent specific gravity	3.21
Bulk specific gravity	2.48
Resistivity of hot zone( $\Omega$ cm)	0.08
Max.furnace temperature( $^{\circ}$ C)	1400

## 2 Shape



Model number SDL 25 × 500 × 200 × 400  
 Type Dimeter × Hot zone length × Non-heating zone length × Cold end length

## 3 Electrical Specifications

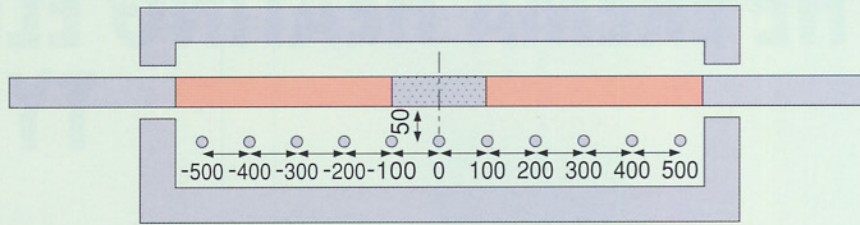
Electrical specifications for type SDL are the same as those for type E or F when total length of heating sections, and total length of cold ends and non-heating zone are equivalent to those of type E or F. For instance, electrical specifications for "SDL25 × 500 × 200 × 400" are equivalent to those for "E25 × 1000 × 500".

For more details, please contact us.

## 4 Precautions

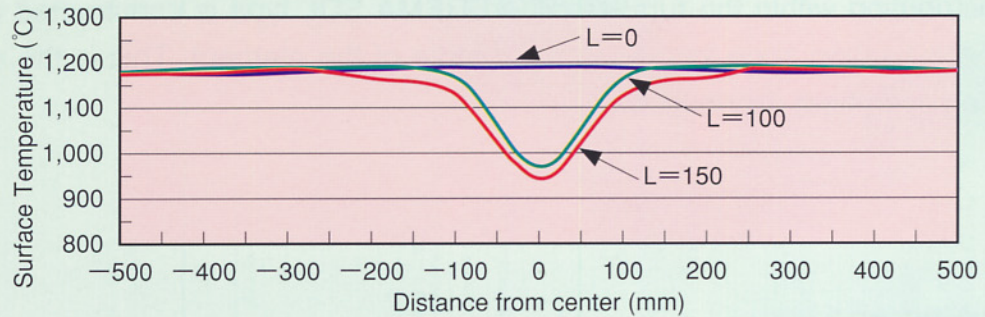
Maximum furnace temperature is 1400 $^{\circ}$ C.

## 5 Effect of Type SDL



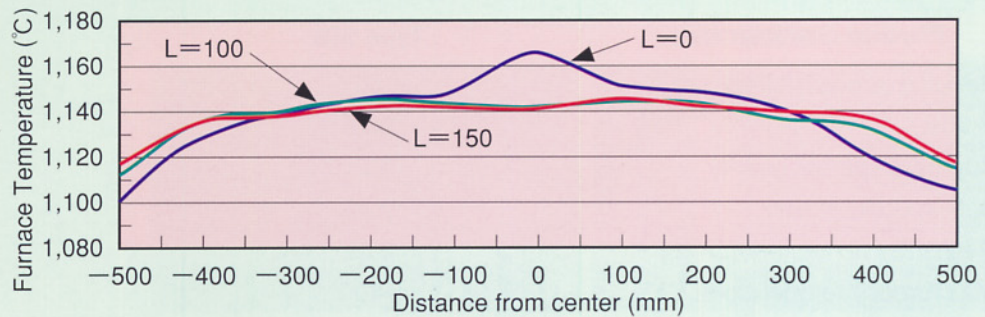
### 5.1 Surface Temperature Distribution of Type SDL in the Open Air

The longer the non-heating zone, the lower the temperature at the center of type SDL in the open air, as graphed below.

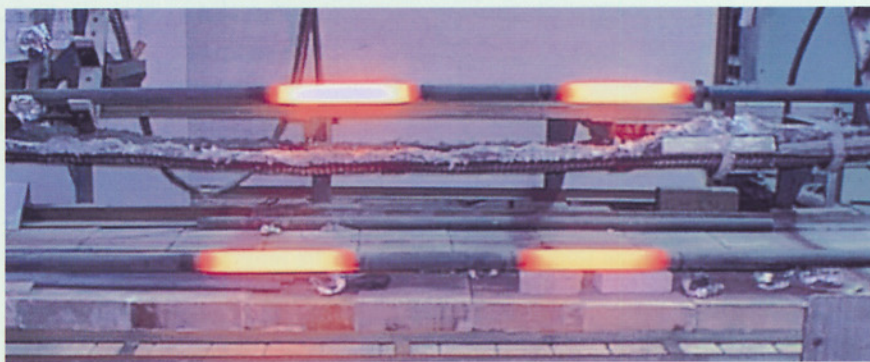


### 5.2 Furnace Temperature Distribution

Furnace temperature distribution can be improved by installing type SDL in the furnace, as graphed below.



## 6 Heating Picture



**東海高熱工業株式会社**  
TOKAI KONETSU KOGYO CO.,LTD.

本社 〒110-0014 東京都台東区北上野1-10-14 (住友不動産上野ビル5号館) TEL.03-5827-8711 FAX.03-5827-8766  
HEAD OFFICE: 1-10-14, Kitaueno Taito-ku, Tokyo, 110-0014, Japan (5F Sumitomo-Ueno Bldg.)

京都支店 〒601-8454 京都府南区唐橋経田町40

TEL.075-691-6211 FAX.075-671-7117

工場 名古屋・京都・仙台