



# Cartridge Heaters

Low to Medium Watt Density

U.L. Recognized – E56973  
C.S.A. Certified 016386-0-000

CARTRIDGE



## Applications:

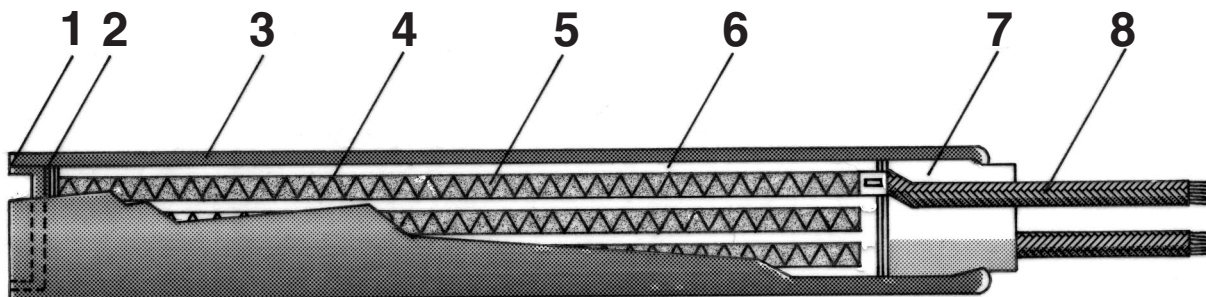
Compressor Crankcase Heating, Copiers, Dies, Food Processing, Glue Pots, Heat Sealing, Hot Melt Adhesive, Labeling, Medical Equipment, Packaging, Photographic Processing, Plastic Molding, Platens, Wax Pots.

## Features:

- Hotwatt Precision Cartridge Heaters provided localized heat to restricted work areas requiring close thermal control. Dies, platens, and a variety of other types of processing equipment are efficiently heated. Closely controlled work temperatures up to 1250°F are obtained by a combination of heater location and proper wattage output.
- Basic designs are readily adaptable to a wide variety of special requirements, sizes, or ratings.
- Maximum surface temperatures up to 1250° F (677°C).
- Designations are etched on the sheath to preserve accurate shape.
- Heating elements arranged just beneath outside surface for maximum heat transfer, minimum core temperature and faster heating.
- Made in U.S.A.
- Where specified, units can be supplied liquid tight.
- Long, trouble free service.

## Construction:

- 1 Heliarc welded end seal.
- 2 Mica.
- 3 Series 300 stainless steel sheath of precision dimensions and tolerances for intimate, stable, non-oxidizing contact with cavities machined for them.
- 4 Element wire situated in close proximity to outside surface for maximum heat transfer and minimum internal temperature while preserving good dielectric qualities.
- 5 Magnesium oxide packing.
- 6 Ceramic element support.
- 7 Ceramic cap.
- 8 Teflon insulated leads: ¼" diameter  
Fiberglass leads: ⅜" – ¾" diameter  
Post terminals: ⅛" – 2⅜"





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### Diameter: 1/2"

Length	Cat.No.	Watts	Volts	Watt Density w/in. <sup>2</sup>	Approx. Wght. (lbs.)
1 1/2"	SC50-1.5	75	240	50	.07
2"	SC50-2	120	240	50	.11
2 1/2"	SC50-2.5	150	240	50	.14
3"	SC50-3	200	240	50	.17

### Diameter: 1/2" (continued)

Length	Cat.No.	Watts	Volts	Watt Density w/in. <sup>2</sup>	Approx. Wght. (lbs.)
4"	SC50-4	275	240	50	.23
5"	SC50-5	350	240	50	.27
6"	SC50-6	425	240	50	.33
7"	SC50-7	550	240	55	.48
8"	SC50-8	650	240	55	.53

### Diameter: 1/2" (continued)

Length	Cat.No.	Watts	Volts	Watt Density w/in. <sup>2</sup>	Approx. Wght. (lbs.)
10"	SC50-10	850	240	55	.62
12"	SC50-12	1000	240	55	.69
14"	SC50-14	1000	240	48	.48
16"	SC50-16	1000	240	41	.52
18"	SC50-18	1200	240	44	.57
24"	SC50-24	1800	240	49	1.34