



Cartridge Heaters

Low to Medium Watt Density

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

CARTRIDGE



Applications:

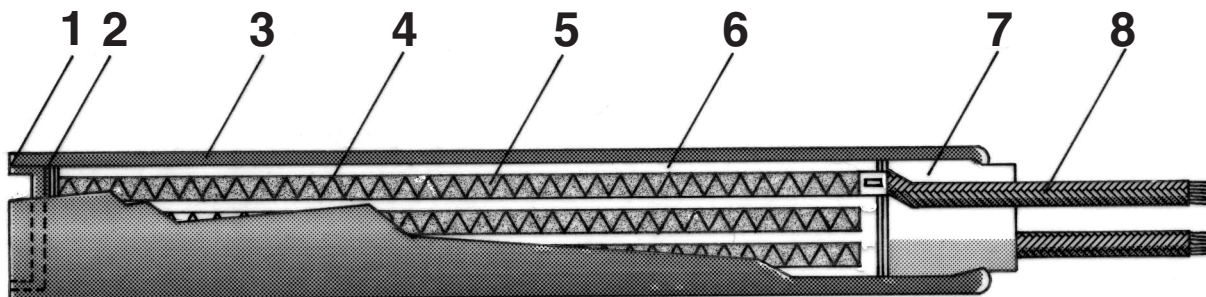
Compressor Crankcase Heating, Copiers, Dies, Food Processing, Glue Pots, Heat Sealing, Hot Melt Adhesive, Labeling, Medical Equipment, Packaging, Photographic Processing, Plastic Molding, Platens, Wax Pots.

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: ½"

Length	Cat.No.	Watts	Volts	Watt Density w/in. ²	Approx. Wght. (lbs.)
1½"	SC50-1.5	18	120	12	.07
1½"	SC50-1.5	75	120	50	.07
1½"	SC50-1.5	90	120	60	.07
2"	SC50-2	30	120	12	.11
2"	SC50-2	120	120	50	.11
2½"	SC50-2.5	40	120	12	.14
2½"	SC50-2.5	80	120	25	.14
2½"	SC50-2.5	150	120	50	.14
3"	SC50-3	50	120	12	.17
3"	SC50-3	200	120	50	.17
4"	SC50-4	70	120	12	.23

Diameter: ½" (continued)

Length	Cat.No.	Watts	Volts	Watt Density w/in. ²	Approx. Wght. (lbs.)
4"	SC50-4	275	120	50	.23
5"	SC50-5	85	120	12	.27
5"	SC50-5	350	120	50	.27
6"	SC50-6	110	120	12	.33
6"	SC50-6	425	120	50	.33
7"	SC50-7	135	120	14	.48
7"	SC50-7	550	120	55	.48
8"	SC50-8	160	120	14	.53
8"	SC50-8	650	120	55	.53
10"	SC50-10	210	120	14	.62

Diameter: ½" (continued)

Length	Cat.No.	Watts	Volts	Watt Density w/in. ²	Approx. Wght. (lbs.)
10"	SC50-10	850	120	55	.62
12"	SC50-12	250	120	14	.69
12"	SC50-12	1000	120	55	.69
14"	SC50-14	250	120	12	.48
16"	SC50-16	250	120	10	.52
18"	SC50-18	300	120	11	.57
24"	SC50-24	450	120	12	1.34