BACKER HOTWATT

Cartridge Heaters

Low to Medium Watt Density

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

CARTRIDGE

Applications:

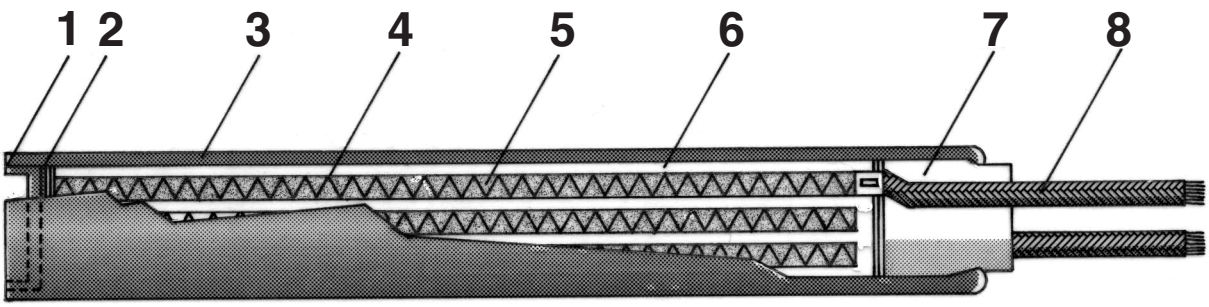
Compressor Crankcase Heating, Copiers, Dies, Food Processing, Glue Pots, Heat Sealing, Hot Melt Adhesive, Labeling, Medical Equipment, Packaging, Photographic Processing, Plastic Molding, Platens, Wax Pots.

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: 5/16" – ¾" diameter
   Post terminals: 1 5/16" – 2⅜"



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Diameter: ⅝"

Length	Cat.No.	Watts	Volts	Watt Density w/in.²	Approx. Wght. (lbs.)
2½"	SC62-2.5	75	240	20	.15
2½"	SC62-2.5	200	240	50	.15
3"	SC62-3	250	240	50	.21
3½"	SC62-3.5	300	240	50	.25
4"	SC62-4	350	240	50	.29
5"	SC62-5	450	240	50	.35
6"	SC62-6	400	240	30	.44
6"	SC62-6	540	240	50	.44
7"	SC62-7	635	240	50	.57
8"	SC62-8	750	240	57	.55

Diameter: ⅝" (continued)

Length	Cat.No.	Watts	Volts	Watt Density w/in.²	Approx. Wght. (lbs.)
9"	SC62-9	950	240	55	.63
10"	SC62-10	1000	240	53	.68
12"	SC62-12	1200	240	53	.75
18"	SC62-18	1500	240	44	1.03
20"	SC62-20	1500	240	40	1.25
24"	SC62-24	2000	240	44	1.47
24"	SC62-24	2500	240	65	1.47