



Technical

Empirical Guideline for Cartridge Heater Life

1. Record block operating temperature _____ 1. _____
2. Determine heater density-watts/square inch _____
3. Determine heater fit in block _____
4. From Chart A determine the delta T (Temperature drop) across block hole. _____ 4. _____
5. From Chart B determine the heater internal delta T (Temperature drop) _____ 5. _____
6. Add steps 1, 4 and 5 to determine approximate heater internal wire temp.
7. Figure estimated heater life from internal wire temperature based on the following table:

<u>Internal Wire temp.</u>	<u>Approximate Life</u>
1200° F or less	years
1500°F	2 years
1600°F	1 year
1700°F	3 months
1800°F	20 days
1900°F	Less than 100 hours

Chart "A"

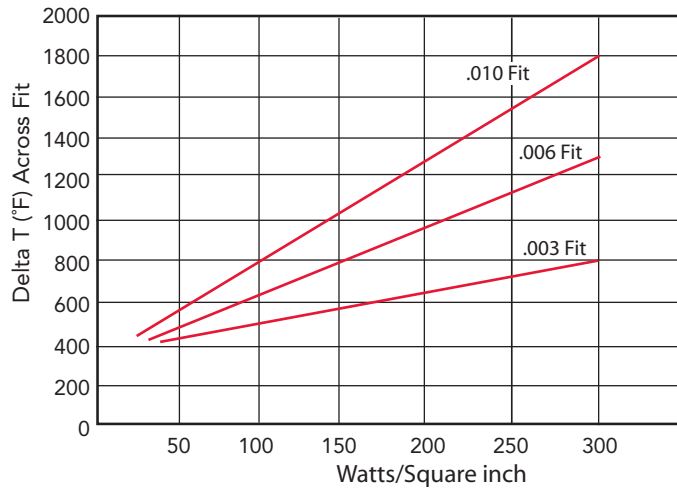


Chart "B"

