



High Watt Density Cartridge Heaters



FEATURES

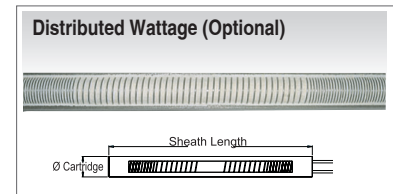
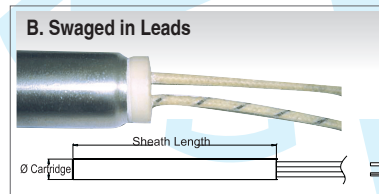
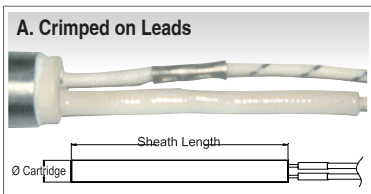
- Available with in built Thermocouple
- Highly Non-corrosive
- Even heat profile & Max temp up to 750°C
- Available with various Lead Exits & Cable Protection options
- Sealed Bottom with Conical End disk to avoid contamination and for easy replacements

TECHNICAL DATA

- Sheath material: SS
- Surface Loading: upto 150 watts / in²
- Voltage Range: 12 to 440 volts
- Leakage Current: < 0.5 mA
- Available Diameters: Min Dia: 1/4" & 6 mm, Max Dia: 1" & 20 mm
- Available Lengths: Min length: 1 1/2" & 40 mm, Max length: 40" & 1000 mm
- Tolerance on length is 3mm upto 150mm above 150mm +/- 2%
- Tolerance on wattage +/-10%
- J type built in thermocouple available only at disc end and with PTFE leads

LEAD ORIENTATION

- A) Crimped on leads: PTFE/Fibreglass Flexible lead crimped on solid pin emerging from the heater.
 B) Swaged in Leads: Flexible Fibre Glass or PTFE leads emerging from within the heater.



DIMENSIONAL DATA

Nominal Diameter	1/4"	3/8"	1/2"	5/8"	3/4"	6.5 mm	8 mm	10 mm	12.5 mm	16 mm	20 mm
Minimum Diameter	.246"	.372"	.496"	.621"	.746"	6.42 mm	7.92 mm	9.92 mm	12.42 mm	15.92 mm	19.92 mm
Maximum Diameter	.249"	.374"	.499"	.624"	.749"	6.48 mm	7.98 mm	9.98 mm	12.48 mm	15.98 mm	19.98 mm
Minimum Length	1 1/2"	1 1/2"	2"	2"	3"	40 mm	40 mm	40 mm	50 mm	50 mm	75 mm
Maximum Length	8"	10"	18"	24"	24"	200 mm	200 mm	250 mm	450 mm	600 mm	600 mm
Lead wires in mm ²	.5	.75	1	1.5	2.5	.5	.75	.75	1	1.5	2.5
Maximum Amperes	4	6	8	12	18	4	6	6	8	12	18

For options other than mentioned above, please consult.

HIGH WATT DENSITY CARTRIDGE HEATERS FOR LOW VOLTAGE

These highly compacted heating elements have been developed primarily for heating of small parts. The sheath which is Chrome Nickel Steel serves as a return conductor therefore these cartridge heaters are used at low voltage up to 42 V max.

TECHNICAL DATA (LOW VOLTAGE CARTRIDGE HEATERS)

- Maximum sheath temperature 500°C (approx)
- Connection cable: Fibre glass / Teflon / or bolt connection of M3 x 0.50 mm

