

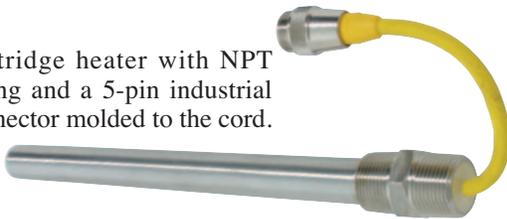
Highly Engineered Custom Manufactured Specific Use Cartridge Heaters

Meeting the Challenges of Original Equipment Manufacturers with Custom Engineering

Tempco has been at the forefront of addressing the challenges of original equipment manufacturers (OEMs) in diversified industries, when dependable and reliable performance of custom engineered cartridge heaters is crucial to the overall operating efficiency and quality of their equipment and machinery.

Tempco is a company uniquely qualified and committed to providing value-added expertise in engineering and manufacturing that spans over four decades of acquired knowledge, assisting customers in developing highly engineered specific use cartridge heaters for equipment and/or machinery systems.

Cartridge heater with NPT fitting and a 5-pin industrial connector molded to the cord.



Cartridge heater for continuous air heating application with Incoloy® sheath, custom machined fitting and silicone rubber moisture barrier.



Cartridge heater with built-in thermal fuse and ground wire for X-Ray processing equipment.



Cartridge heater with built-in thermostat, pipe fitting and ground leads for oil heating in waste handling equipment.



Finned Cartridge Oil Immersion Heater with a liquid-tight electrical termination.



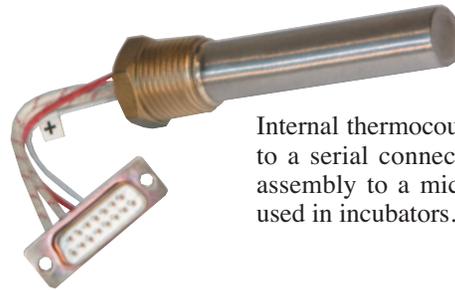
Complete a New Project on Time, Improve Efficiencies and Reduce Cost

Consult Tempco, your strategic partner, in the early stages of a new project requiring cartridge heaters, or to improve a troublesome existing application. By doing so you allow Tempco to place at your disposal our team of professionals, offering you our vast knowledge in product design and manufacturing expertise. We can provide you with the optimal solution to your thermal loop system and cartridge heater design challenges.

Tempco offers you the perfect balance in quality and service with value-added technology. These pictures depict a small sampling of the cartridge heaters we have developed for special applications. Put our knowledge and experience to work for you.

*Our capabilities are limited only by your imagination.
Consult us with your requirements.
We welcome your inquiries.*

Internal thermocouple is wired to a serial connector for easy assembly to a microprocessor used in incubators.



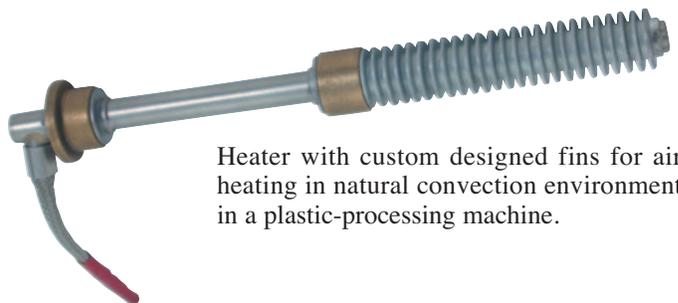
Incoloy® fitting and seamless Incoloy® 800 sheath material used in an aviation application.



Straight armor cable and adjustable bayonet cap for easy assembly.



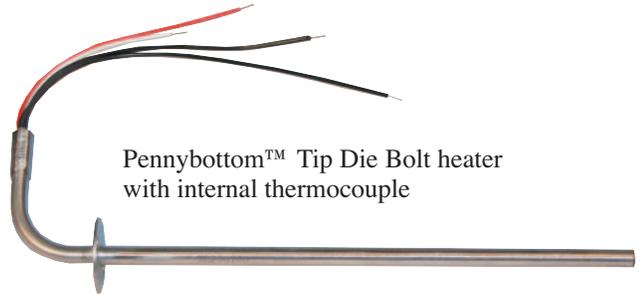
Heater with custom designed fins for air heating in natural convection environment in a plastic-processing machine.



Highly Engineered Custom Manufactured Specific Use Cartridge Heaters



The heater has a header cap as an integral part of the fitting. Leads exit through small holes that are sealed with epoxy for moisture protection.



Pennybottom™ Tip Die Bolt heater with internal thermocouple

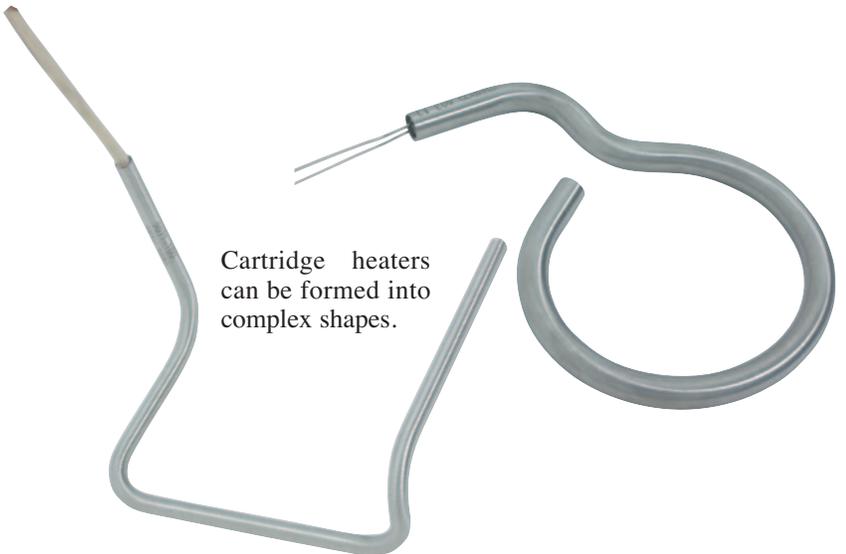


Heater designed to run continuously at 1202°F (650°C); built-in isolated thermocouple and ground wire.

Heater for medical diagnostic instruments has an integrated heat sink and thermal fuse.



SJO cord and molded plug for automotive air conditioning recharging units.



Cartridge heaters can be formed into complex shapes.



Optional Inspection Services and Test Reports

Die Penetrant Test

This non-destructive testing can detect imperfections in weld joints. For critical applications, each individual heater's weld joints by end cap and fittings can be tested. Certified test reports will be sent with each shipment.

Hydrostatic Pressure Test

Cartridge heaters with attached pipe fittings can be pressure tested to your specifications at Tempco. Our in-house testing capabilities can ensure that your products meet your exact specifications.

Electrical Tests

Our state of the art test meter can perform AC/DC dielectric withstand test (Hypot) up to 5000 volts while measuring leakage current in micro amps. It can also measure Insulation resistance (IR) and heater element resistance. Heaters can be serialized and test reports can be sent with each shipment if required.

*Consult Tempco with Your Requirements.
We Welcome Your Inquiries.*