

APPLICATION DATA FOR TEMPCO PRODUCT LINES

I. HD & LD CARTRIDGE HEATERS

- Plastic Extrusion Dies
- Aluminum Extrusion Dies
- Plastic Compression, Injection and Transfer Molds
- Manifolds - Hot Runner Molding Equipment Torpedoes & Probes for Runnerless Molding
- Hot Stamping & Embossing Equipment
- Packaging Machinery: – Label Imprinters
- Heat Sealing Equipment - Jaws, Bars etc.
- Vacuum Forming: – Shrink Wrapping
- Dairy Packaging Equipment / Coders
- Plastic Welding Equipment
- Hot Melt Glue & Adhesive Dispensing Equipment
- Zinc & Lead Die-casting Machinery
- Solder & Tinning Pots and Troughs
- Wax & Glue Pots
- Laboratory Test Equipment
- Compressor Crankcases
- Photocopiers
- Photographic Processing Equipment
- Resistors for Dispensing Electric Current
- Recreational Vehicle Refrigeration Compressors
- Commercial & Industrial Compressors (Trane, Carrier, York, etc.)
- Shoe Making Machinery
- Combustion Control / Oxygen Analyzer Equipment
- Stress Relieving Equipment
- Cryogenic Equipment
- Fluid Heat Transfer Systems
- Textile Machinery
- Food Equipment
- Smokers
- Tortilla Presses
- Aircraft Food Service Equipment - Coffee & Hot Water Dispensers
- Beverage Dispensing Equipment - Tea, Coffee & Hot Chocolate
- Medical Equipment
- Fermenters
- Breeders
- Dialysis Equipment
- Paper Cup Manufacturing Machinery
- Diesel Fuel and Oil Preheaters
- Missile / Defense Industry (Northrop)
- Livestock / Agricultural Industry (Cattle de-horning)
- Commercial Dishwashing Equipment
- Space & Comfort Heaters (Fostoria)
- Laminating Equipment
- In-Line Hot Air Heaters (Raychem)

II. MICA BANDS

- Plastic Injection Molding Machines
- Plastic Extruders
- Food & Candy Extruders
- Extrusion Die
- Blow Molding Machines (Barrels & Heads)
- Autoclaves & Sterilizers
- Fluidized Beds
- Pulp & Paper Processing Equipment
- Oil Reclamation Systems (Robert Sun Co.)
- Drum Heating
- Holding Tanks
- Hot Runner Molding Bushings
- Food Service:
 - Warming Pots – Vending Machines – Food & Candy Extruders
- Metallurgical Analyzation Equipment (Leco)

III. CERAMIC BAND HEATERS

- Plastic Injection Molding Machinery
- Plastic Extruders
- Food Extruders
- Blow Molding Machines (Barrels & Heads)
- Autoclaves & Sterilizers
- Blown Film Dies

IV. CAST-IN HEATERS

- Plastic Extruder Barrels
- Plastic Extrusion Dies
- Platen Heaters
- Packaging Seal Bars
- Silk Screen Equipment
- Die and Nozzle Heaters
- Food Service:
 - Food Warming Equipment – Bun Toasters – Frying Equipment
- Beverage Equipment
- Laminating Equipment
- Liquid Heat Exchangers
- Silicone Wafer Processing Equipment
- Wave Solder Equipment
- Vacuum Forming Machinery
- Wax and Glue Pots
- Blown Film Discs

V. MICA STRIP HEATERS & MAXISTRIP HEATERS

- Plastic Dies & Molds
- Incubators
- Solder and Tinning Pots & Troughs
- Wax and Glue Pots
- Process Tanks
- Laminating Equipment
- Welding Preheat Equipment
- Sealing Equipment
- Condensation Evaporation in Electrical Housings
- Food Service: – Warming Tables – Waffle Irons – Hot Plates
–Kettles – Hot Food Tables – Serving Trays – Popcorn Machines

VI. CHANNEL STRIP HEATERS

- Plastic Dies
- Compression & Transfer Molding Equipment
- Process Tanks
- Thermoforming
- Preheating Ovens
- Laminating Equipment
- Ovens
- Vulcanizers
- Hot Plates
- Commercial Tray Washers & Dryers
- Food Service Equipment (See listing in Mica Strip Heaters)

VII. FINNED STRIP HEATERS

- Ovens
- Ducts
- Incubators
- Shrink Packaging Systems
- Drying Equipment

VIII. TUBULAR HEATING ELEMENTS

- Furnaces, Ducts
- Ovens-Process, Curing, Food
- Kettles and Tanks
- Textile & Chemical Dryers
- Hopper and Silo Heaters: – Plastic – Food – Agriculture
- Incubators for Prenatal Care: – Human – Animal

XIII TUBULAR HEATING ELEMENTS (continued)

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IX. SCREW PLUG & FLANGED IMMERSION HEATERS

- Tank Heaters
- Oil Reservoir Heating
- Resistors - Load Discharging
- Water Demineralizing or Deionizing Equipment
- Air, Gas, & Steam Heating Systems
- In-Line Circulation Heaters
- Commercial Dishwashing Equipment
- Water Treatment Equipment
- Heating Hydraulic Fluids for Viscosity Controls (Ex-Rexroth)
- Heating Fluids for Heat Transfer Systems
- Freeze Protection
- Heating Solvable Cutting Oils for Machining Equipment
- Preheating All Grades of Oil
- Food Service & Food Processing Equipment (See Tubular Heaters)
- Day Tanks for Preheating Diesel Fuels
- Gearbox Oil Heating
- Liquid Temperature Controllers

X. NON-PRESSURIZED FLANGE HEATERS

- Parts Cleaners
- Vapor Degreasers
- Humidifiers
- Liquid Temperature Controllers
- Water & Oil Heating Systems
- Dryers

XI. TEMPCO II

- Mightyband Coil Heaters for Spruce Bushing in Runnerless Molding
- Silicone Wafer Processing Equipment
- Deposition Equipment for Gallium Chips - Moisture Elimination

XII. CIRCULATION HEATERS

Direct in-line Heating of Liquids or Gases such as:

- Heating Fuel Oil
- Heating Rinse Waters
- Boosting Liquid Temperatures on Long Pipe Lines
- Hot Water Storage Tanks

For use with a pump in a closed loop system. This may be used in fluid heat transfer asphalt, molasses, wax, liquid, and chocolate. It can also be used as the heat source on many heat transfer systems on Food Waste and Sludge processing extruders.

For heating air under pressure or gases such as helium, nitrogen, argon, and other inert gases, as well as trim heating. It can also be used for improving and maintaining steam super heating.

XIII. FLEXIBLE HEATERS

- Optical Equipment
- Gyroscopes
- Copy Machines
- Vending Machines
- Medical Equipment
- Aerospace
- De-Icing
- Food Transportation
- Liquid Reservoirs
- Computer Memory Planes
- Autoclaves
- Laboratory Equipment
- Animal Feeders
- Battery Heaters
- Drum Heaters
- Guidance Systems
- Photo Processing
- X-Ray Processing
- Food Service Equipment
- Laminators
- Aircraft Comfort Heaters
- Aircraft Food Service
- Graphic Arts Equipment
- Shoe Machinery
- Packaging Machinery
- Heated Presses
- Mirror Heaters
- Refrigeration Equipment
- Vacuum Chamber

XIV. RADIANT HEATERS**Metals**

- Powder Coating
- Paint Baking
- Degreasing
- Heating Molds
- Expansion Part Fitting

Rubber

- Curing Latex
- Heating Molds
- Heating Adhesives

Electricity

- Drying Motors
- Baking Armatures
- Drying Varnishes

Foundries

- Drying Sand Cores
- Curing Shell Molds
- Drying Skin Molds

Plastics

- Thermoforming
- Compression Molding
- Drying Coatings
- Heat Sealing
- Silk Screen Curing
- Laminating
- Hardening

Chemicals

- Dehydrating
- Preheating

Glass

- Tempering
- Annealing
- Silk Screen Printing

XIV. RADIANT HEATERS (continued)**Paper & Printing**

- Drying Inks & Varnishes
- Dehydrating Paper
- Silk Screen Printing
- Drying Bonding Adhesives

Textiles

- Drying after Shrinking
- Drying Thread
- Setting Flock
- Silk Screen Drying

Foods

- Baking Breads
- Pizza Ovens
- Pretzel Baking
- Browning
- Dehydrating

Wood

- Drying Fillers
- Lacquers, Toners
- Varnishes, Sealers
- Adhesive Setting
- Drying Printed Finishes

XV. TEMPERATURE CONTROLLERS

- Plastics Injection Molding Equipment
- Food & Beverage Processing Equipment
- Packaging Equipment
- Ovens and Furnaces
- Medical Clinical Equipment
- Plastics Blow Molding Equipment
- Environmental Chambers
- Laboratory Equipment
- Plastics Extrusion Equipment
- Semiconductor Processing Equipment
- Electronics Processing Equipment
- Chemical Industry Process Controls
- Textile Manufacturing Equipment
- Boilers
- Pharmaceutical Processing Equipment