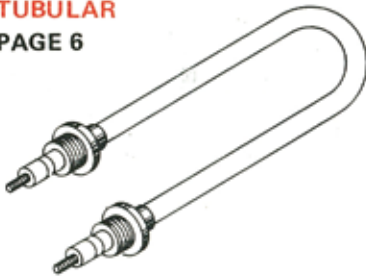
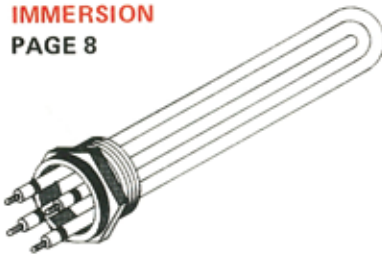


HOTCO HEATER SELECTION

TUBULAR
PAGE 6


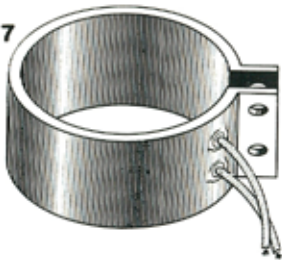
- SOLIDS** Clamp on platens, dies, moulds, heat sealing tools and many other industrial processes requiring heating of solid parts.
- LIQUIDS** See immersion heaters
- GASES** Warming cabinets, ovens, comfort heating, process and air duct heating (see duct units).

IMMERSION
PAGE 8


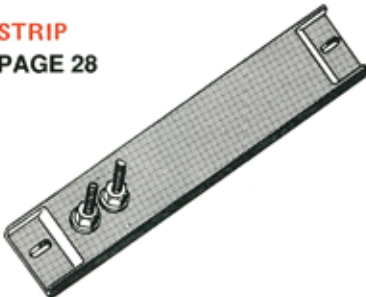
- LIQUIDS** Water, oils, solvents, plating baths, salts, waxes, paraffin, ashphalts and molasses are some of the many liquids, viscous materials and solids with low melting points.

IN-LINE
PAGE 14


- LIQUIDS** Process water heating, temperature boosting, jacketed kettles, storage tanks, oil preheating, to pumping viscosity and prior to delivery burners, water cooled load discharge resistors and most other liquid flow applications.
- GASES** Drying and temperature boosting of air and reactivating activated alumina, etc.

BAND
PAGE 17


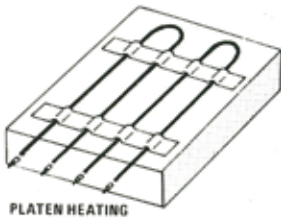
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- GASES** Warming cabinets, ovens, comfort heating, process and air duct heating (see duct units).

STRIP
PAGE 28


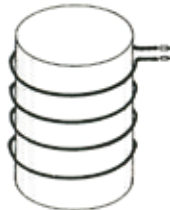
- SOLIDS** Clamp on platens, dies, moulds, heat sealing tools and many other industrial processes requiring heating of solid parts.
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CARTRIDGE
PAGE 22

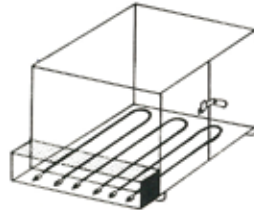

- SOLIDS** Clamp on platens, dies, moulds, heat sealing tools and many other industrial processes requiring heating of solid parts.
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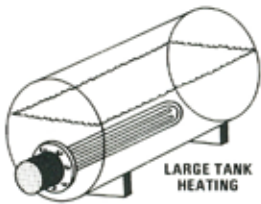
PLATEN HEATING



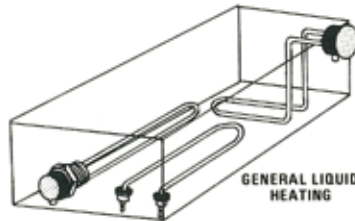
DIE HEATING



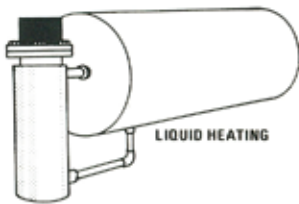
OVENS



LARGE TANK HEATING



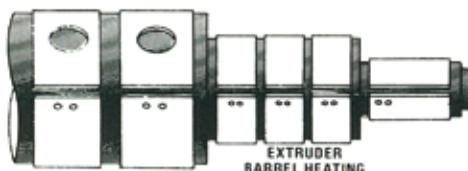
GENERAL LIQUID HEATING



LIQUID HEATING



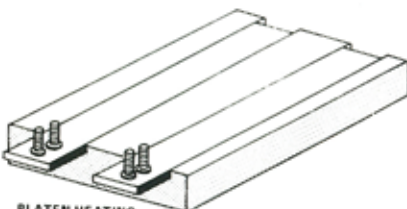
PROCESS HEATING



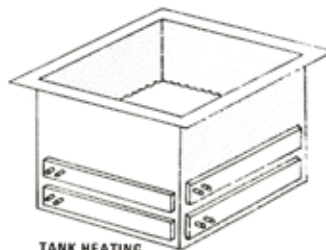
EXTRUDER BARREL HEATING



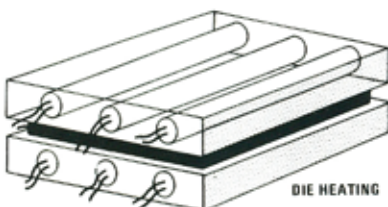
DIE HEATING



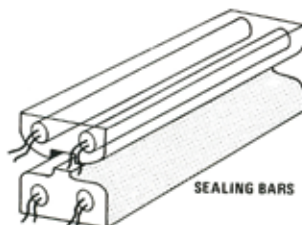
PLATEN HEATING



TANK HEATING



DIE HEATING



SEALING BARS

The tubular heater is the most versatile of all electric heaters, offering a wider range of ratings, material and form that can be applied to almost any temperature requirement. The structure of the tubular heater lends itself readily to forming in various shapes, offering the advantage of improved heat distribution, greater compactness and simple installation in many industrial applications.

Immersion heaters provide a heat source with the highest efficiency possible, as all heat is generated within the solution. This, combined with easy installation and accurate control, make electric immersion heaters highly useful in many industrial heating processes. They can be manufactured in a wide variety of shapes, sheaths and mounting methods with watt density (sheath temp) to suit solution of different heat absorption rates.

Circulation type unit heaters are engineered to provide a convective heat source on the discharge or suction side of a pump set, to deliver water, oil, steam, air and other gases through a required temperature rise under a wide range of flow conditions with a fast response and even heat distribution.

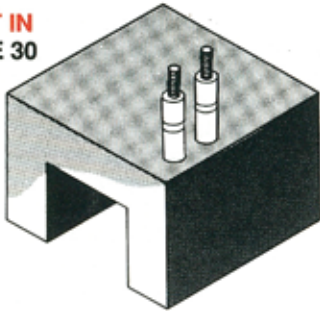
Hotco band heaters are designed for uniformly applying heat on cylindrical surfaces and are capable of operating at high temperatures giving long service life. They may be shaped to suit many varying requirements e.g. diameter width, voltage, clearance holes, cut-outs, etc.

Hotco stainless steel strip heaters provide a versatile, robust and dependable conductive heat source which is ideally suited for clamp-on applications where an even spread of heat is required over any area. At a lower watts density these heaters can also be applied to air heating situations.

Hotco HotRod cartridge heaters provide a convenient, dependable and efficient method of applying concentrated heat through insertion into a hole in solid metal components, where a compact, insert type heating source is desirable giving long trouble free service life, a variety of terminal connections with the basic design readily adaptable to a wide variety of special requirements, sizes and ratings.

HOTCO HEATER SELECTION

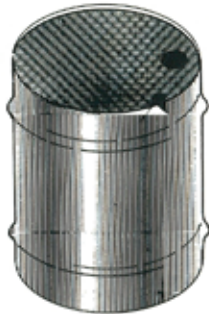
CAST IN
PAGE 30



SOLIDS A tubular heater cast-in a given material in various forms as hot-plates, platens, sealing bars and as a band type for extrusion and injection moulding machines.

LIQUIDS As immersion heaters for solder, lead, tin, etc

DRUM
PAGE 32



SOLIDS For fast, easy heating of low melting point solids.

LIQUIDS To increase the flow of thick, viscous fluids.

RADIANT
PAGE 35



SOLIDS For drying, baking, curing and marming of metals, paints, textiles, plastics, food and many other industrial applications

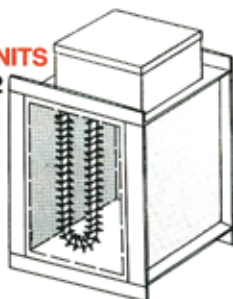
SPACE Heating of manufacturing and warehouse areas in exposed and semi-exposed areas and as auxillary heating.

FINNED TUBULAR
PAGE 41



GASES In natural or forced convection space heating of ovens, cabinets, food warmers, convection heaters, air ducts, load and discharge resistors and industrial processes requiring heated air for drying, baking, preheating, curing, etc.

DUCT UNITS
PAGE 42

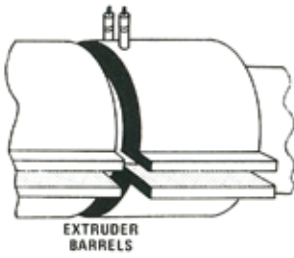


GASES Units for installation in comfort and process air heating with application as above.

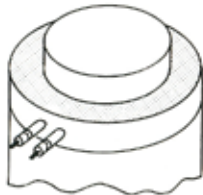
SILICONE RUBBER
PAGE 46



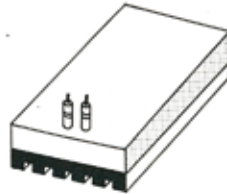
SOLIDS To replace heat losses from pipes, tanks or vessels containing almost any fluid and as anti-condensation heaters in freezer cabinets, electric motors, switchboards, etc.



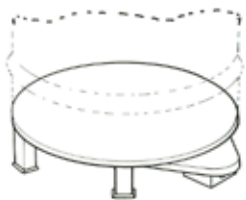
EXTRUDER BARRELS



DIE HEATING



METAL BLOCK HEATING



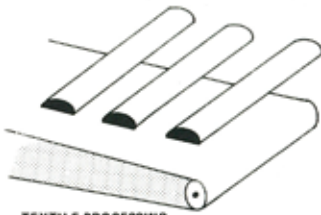
BASE DRUM HEATER



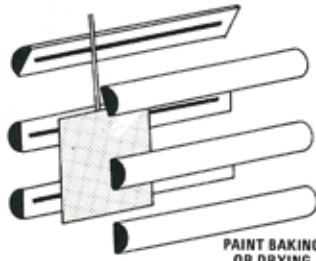
BAND DRUM HEATING



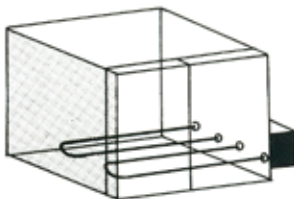
HEATED DRUM RACK



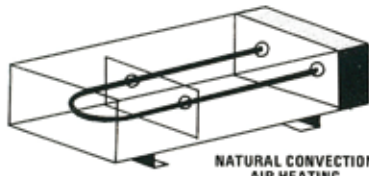
TEXTILE PROCESSING



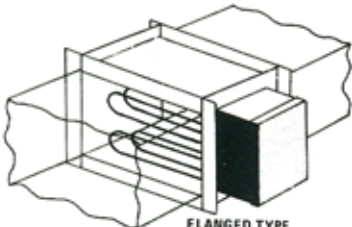
PAINT BAKING OR DRYING



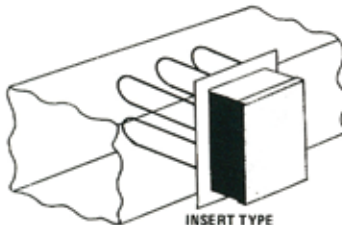
FORCED AIR OR NATURAL CONVECTION OVEN HEATING



NATURAL CONVECTION AIR HEATING



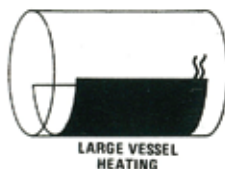
FLANGED TYPE AIR DUCT HEATING



INSERT TYPE AIR DUCT HEATING



HOPPER HEATING



LARGE VESSEL HEATING



PIPE HEATING

Heaters can be cast-in aluminium, bronze, brass or iron to give a unit of long-life, repeatability of product quality and versatility in design. The mass of metal surrounding the cast-in heater provides a thermal 'heat-sink' of excellent thermal conductivity. This results in high wattage capability with overall low wattage density, prolonged heater life, uniform heat transfer, stable and high temperatures that can be precisely controlled and increased resistance to thermal and mechanical shock.

These units provide uniform low heat for low melting point solids or improving the 'flowability' of thick, viscous materials such as molasses, grease, oil, fat, adhesives, chemicals, paints, etc to facilitate easy and economical removal from storage containers.

Hotco F.I.R. radiant and ceramic infrared heaters meet industry's need for a robust, compact and reliable source of infrared heat in the invisible far infrared wavelength and is absorbed with almost equal speed by all colours and surfaces. Aluminium reflectors radiate this heat in a wide uniform band, assuring even heating, therefore making these units ideal for many industrial uses.

Hotco's FinRod is a standard steel sheathed tubular heater with edge-wound steel fins furnace copper brazed to the sheath. These fins increase by six times the radiant surface of the heater, this permitting high K.W. rating per unit length at relatively low surface watt density. The brazing of the fins assures maximum rapid heat transfer and prevents fin vibration at high air velocities.

Hotco flanged and insert duct heaters have finned tubular sheathed heaters secured by mounting bushes into a terminal box, where they may be pre-wired for any specified number of stages. The flanged type is supplied complete with a robust, rust resistant metal frame and internally insulated with a non-combustible material, the insert type with a heavy gauge mounting flange.

Silicon rubber tapes, cords and heating pads provide a wide range of flexible heaters for use in the low to medium temperature range (-20 to 220 DegC) in an unlimited variety of sizes and ratings. These heaters can be shaped to almost any contour, are thin, flexible and lightweight. They resist corrosion, moisture, chemicals, weathering, vibration and provide a most efficient method for heating any surface, due to the close matching of the heater to the desired shape and size.