

Electric Tank Heaters are used to raise or maintain temperatures from -300° F to 1000° F for a wide variety of liquids and gases found in storage tanks and process vessels. These heaters are designed with low watt density open coil heating elements for uniform heating of temperature sensitive material.

#### Materials Heated:

- Adhesives
- Asphalt
- Caustic Soda
- Chocolate
- Dyestuffs
- Emulsions
- Fish/Animal Oils
- Fuel Oils
- Inorganic Heavy Chemicals
- Margarine
- Molasses
- Organic Chemicals
- Paint
- Varnish
- Paraffin
- Pitch
- Resins
- Shortening
- Sulphur
- Syrups
- Synthetic Fibers
- Tar
- Vegetable Oils

## Open Coil Heating Elements

Open Coil Heating Elements are custom designed and manufactured to meet precise OEM or end user applications.

### Advantages

- Low watt density (1-15 W/In<sup>2</sup>) design prevents carbonization or decomposition of temperature sensitive materials.
- Flexible element design allows installation in tanks with as little as four feet clearance to obstructions.
- Heating elements may be removed for inspection or replacement without draining the tank.

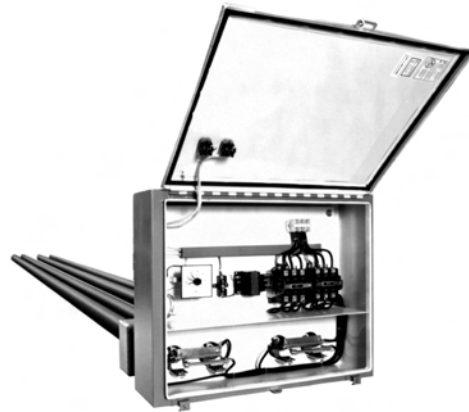
### Design and Construction

- Designs to fit in 2" and 3" pipe or nested assembly to fit larger pipe sizes.
- Available in lengths up to 40 feet.
- Open coil elements can be installed in INDEECO or customer supplied pipe. Typical pipe materials include steel, stainless steel, nickel, Monel and Inconel.
- Voltages up to 600V; single-phase or three-phase.
- Rugged, industrial grade construction.
- Conservative design insures long life.



## Storage Tank Heaters

- Adaptor box and flanged designs available. Both permit easy installation in the curved wall of a vertical tank or dished head of a horizontal tank.
- Steel, stainless, nickel, graphite and other pipe materials are available to suit the material being heated.
- Automatic temperature control. Optional two-stage thermostat reduces amperage draw and maintains close temperature control.
- Heavy pipe wall provides up to .125" corrosion allowance.



## Railroad Tank Car Heaters

- For restoring heat lost in transit.
- To liquify material for draining or pumping out of tank cars.
- Special element design resists shock and vibration.
- Tank car or trackside controls available.

