

STORAGE TANK HEATER



Heatco make Electrically operated Storage Tank Heaters are usually manufactured from 40mm NB Carbon Steel pipe and designed to heat storage tanks containing water or viscous, corrosive or heat sensitive materials including asphalt, tar, fuel, oil, paint & glue. By enclosing the heating elements within a sealed pipe insert, elements do not come in direct contact with the heated product and elements and can be removed for servicing while the tank and its contents remain in service.

As standard practice when completed they are subject to 10% radiographic examination in addition to a minimum hydraulic test pressure for leakage.

The heating process can include maintaining the tank contents at a set temperature or to raise the temperature of the stored liquid in a set time.

Individual Tank modules are designed to pass through a standard manhole.

Benefits of Heatco make Tank Heaters:-

- Very low surface loading.
- Replaceable Heating Elements.
- Hydraulic testing.
- Baffles for clustering the pipes throughout the length.
- Sensors for Sensing the temperature of the content.

The following information for a design consideration:-

- Dimensions and shape of the tank.
- Material and thickness of the tank.
- Volume of fluid inside the tank.
- Is the tank open or closed?
- Access for installation.
- Is the tank insulated? If so type and thickness.
- Fluid inside the tank and, if a special fluid, the fluid properties.
- Desired temperature of the fluid being heated.
- Is this a batch process? If so, starting temperature and desired time to reach target temperature.
- Specify the Voltage & phase of Power supply.