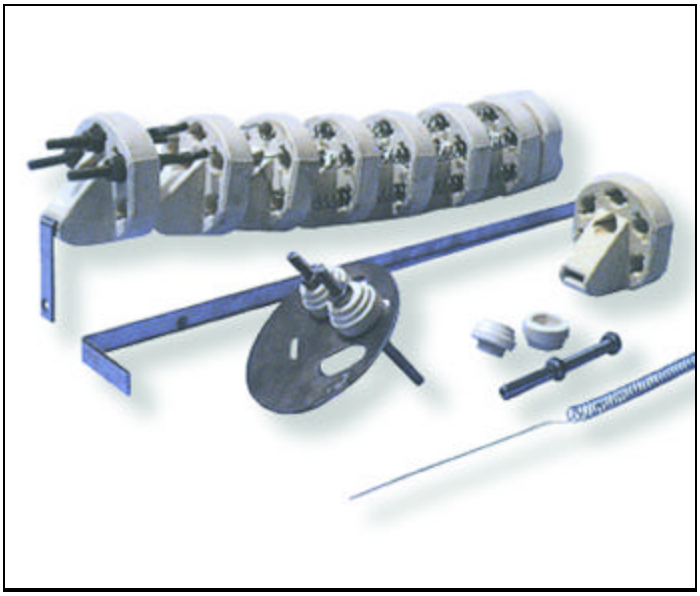
OPEN COIL HEATERS

SPECIFICATIONS

- 2'' and 3'' diameter sizes for horizontal use in pipe well
- 1 to 20 foot lengths
- 120 to 600 volts
- 1 or 3 phase power
- 1 to 12 watts per square inch



DESCRIPTION

The OCH (open coil heater) series of elements consists of helical wound nickel chromium resistance wires supported by interlocking ceramic insulators. The ceramic insulators are mounted on a flexible stainless steel strap which allows the element to be bent to an 18” radius. These flexible elements are available in two sizes and are designed to be inserted into standard 2” or 3” sch. 40 or sch. 80 closed pipe wells. Heating elements can be designed for a maximum heat flux of 12 watts per square inch or up to 1500 watts per linear foot for a 3” pipe well. The OCH elements are available as complete immersion heater assemblies which include pipe well, OCH element, terminal housing, and thermostat.

FEATURES

- No need to drain tank to replace heater elements
- Low watt density, ideal for viscous or heat sensitive fluids
- High temperature capabilities up to 1400˚F
- Flexibility in packaging and installation methods
- Custom designs up to 40 feet
- Available in explosion resistant designs
- 18” bending radius requires only 3 feet clearance for removal
- Stainless or alloy heater wells for corrosive high temperature applications
- Long life - 2 year warranty

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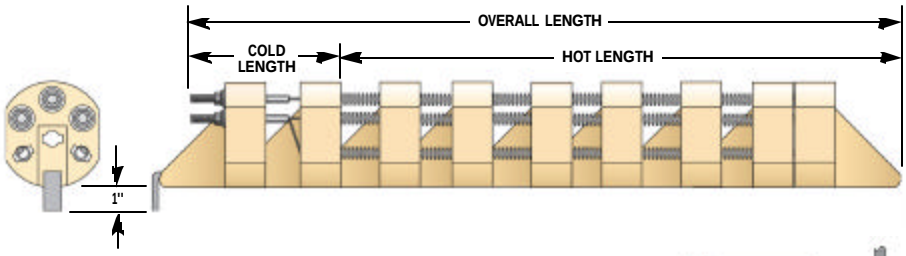
APPLICATIONS

- HYDRAULIC TANKS
- LUBE OIL TANKS
- ASPHALT TANKS
- QUENCH TANKS
- WATER TANKS
- LINE TRACING
- STORAGE TANKS
- DIP TANKS
- MELTING TANKS

PRODUCT CONFIGURATION OPTIONS

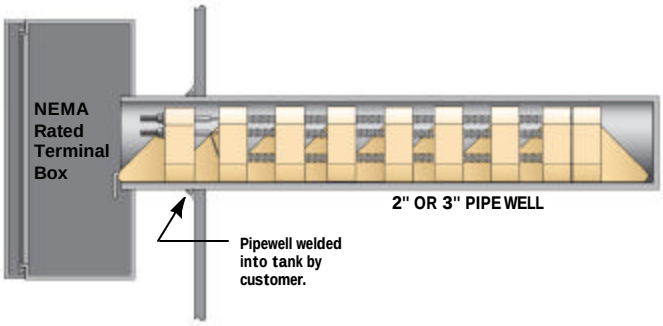


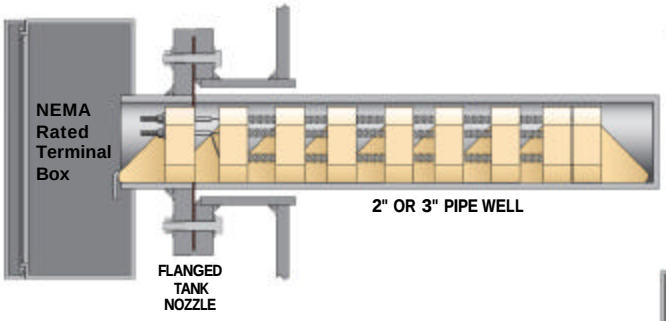
BARE ELEMENT

Product can be supplied as a bare element for installation in closed pipe well by others. Consult factory for cold length.

Element with Well and Enclosure

Product can be supplied as a complete assembly with carbon or stainless steel pipewell and NEMA rated terminal enclosure.



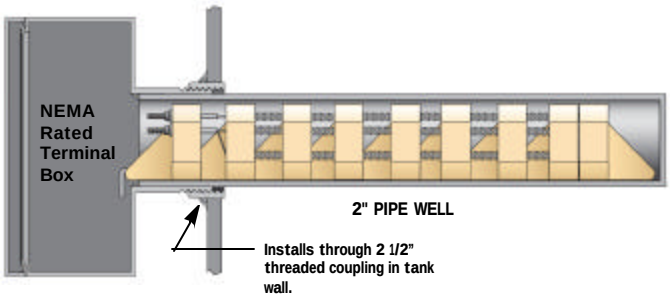


Flanged Assembly

Product also available as complete assembly for mounting in existing flanged tank nozzles.

Screw Plug Assembly

Package available as a direct replacement for screw plug heaters.



CUSTOM DESIGNS

Open coil heaters are normally custom designed to suit particular heating applications. Once the heat load has been determined, the following information will be taken into consideration for the design of the open coil heater: First, the heat flux (or watt density) must be determined based on the heat input limitations of the fluid to be heated. Next the number of heaters and their lengths must be determined based on the working length of the tank and the required watt density. The customer must then provide the general specifications on the heater, such as: power supply, installation method, NEMA rating, materials of construction, and any special control requirements.