

# Over-the-Side Heaters

## Construction Features

INDEECO Over-the-Side heaters are designed to provide the maximum in application flexibility and to minimize installation cost. They are ideal for jobs where easy installation and quick replacement or cleaning must be accomplished without emptying the tank.



**Sludge Leg Spacers** - To prevent burnouts from spot overheating and to keep elements out of sludge that normally collects in the bottom of the tank. Standard legs are 1-1/2" high; lengths up to 4" are available at no extra charge.

**Reinforced Risers** - To strengthen the joint between the riser and element junction box. Gussets are welded or silver soldered to the box and riser to provide this reinforcement.

**Extension Arm** - To place outlet box 6" away from riser and process tank, preventing damage to electrical connections due to evaporation. Longer arms are available at a nominal additional charge.

**High Temperature Lead Wire** - Virtually eliminates failure due to overheating in the critical zone between the element junction box and the outlet box. Nickel-clad copper conductors are insulated with Teflon-glass braid to give the wire a 250° C rating.

**Liquidproof Outlet Box** - Protects electrical connections from wash downs, splashing and dripping. Standard on all heaters.

**Large Diameter Elements** - Provide extra electrical insulation for superior dielectric strength. Because elements are .475" O.D., they are suitable for line voltages up to 600 volts. In addition, element insulation is compacted by means of high pressure rollers to insure uniform heat transfer from coil to sheath and all bends are repressed to insure insulation integrity in this critical area.

**Joints** - Heaters have welded joints, pressure tested before assembly.

**Circuiting** - One electrical circuit for single-stage operation is furnished as standard unless two or three are specified in the listing tables. If staged control of the heating process is required, multiple heaters are normally used. However, additional circuits are available if required.

**Operating Temperatures** - Standard heaters are designed for a maximum operating temperature of 250° F. Contact factory for higher temperature applications.

CSA approvals are available on most Over-the-Side heaters.