

## *immersion heating solutions*

### **Direct Immersion Heaters**

Durex Industries has over 30 years of experience in the application and design of robust tubular immersion heaters and process assemblies. We have an extensive range of stock and standard designs for quick field replacements and convenient ordering. Durex also has extensive experience with custom designed immersion heaters for tank, reservoir and circulation flow applications. Capabilities include:

- Temperatures to 1400°F (760°C)
- Watt densities to 120W/in<sup>2</sup>
- Fittings/Flanges in brass, steel, 304SS & 316SS
- Copper, steel, 304SS, 316SS & Incoloy® sheaths
- Inconel®, titanium, other materials available
- UL® component recognized
- Thermostat and sensor options
- NEMA 1, 4, 4X, and 7 enclosures

**Flange heaters** are typically used for larger volume and higher power applications or where flange tank or pipe vessel connections are preferred. Tubular heater elements are brazed or welded to the flanges for convenient mounting.

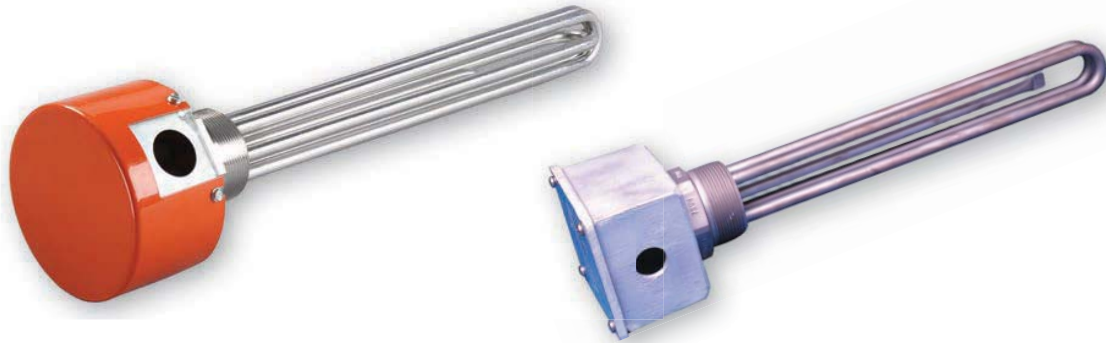


### **Parts Cleaning and Finishing**

Durex expertise ensures the right combination of heater watt density and sheath materials to minimize the effects of heating contaminated, aggressive chemicals and cleaning solutions.

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**Screw plug heaters** are used in almost every liquid heating application imaginable. The threaded fittings allow for easy tank insertion and removal. Tubular heater elements are brazed or welded to NPT fittings for easy mounting.



**Over-the-Side heaters** are designed for the robust requirements of corrosive chemicals, viscous (potentially contaminated) fluids, and rinse and process water heating. Various configurations of tubular heater element assemblies provide convenient tank side mounting. As required, heaters are constructed with risers, junction boxes and element support legs.

- Operating temperatures to 600°F (315°C)
- Watt densities to 60W/in<sup>2</sup>
- Copper, steel, 304SS, 316SS, Incoloy®, Inconel®, titanium and PTFE materials available

***Immersion Heater Applications:***

- Boilers & Water Heating
- Clean & Process Water
- Freeze Protection & Winterizing
- Heat Transfer Systems
- Lube & Fuel Oil Heating
- Parts Cleaning Solutions
- Plating & Finishing Chemicals
- Temperature Control Units
- Wash Systems
- Wax Heating



[www.durexindustries.com](http://www.durexindustries.com)