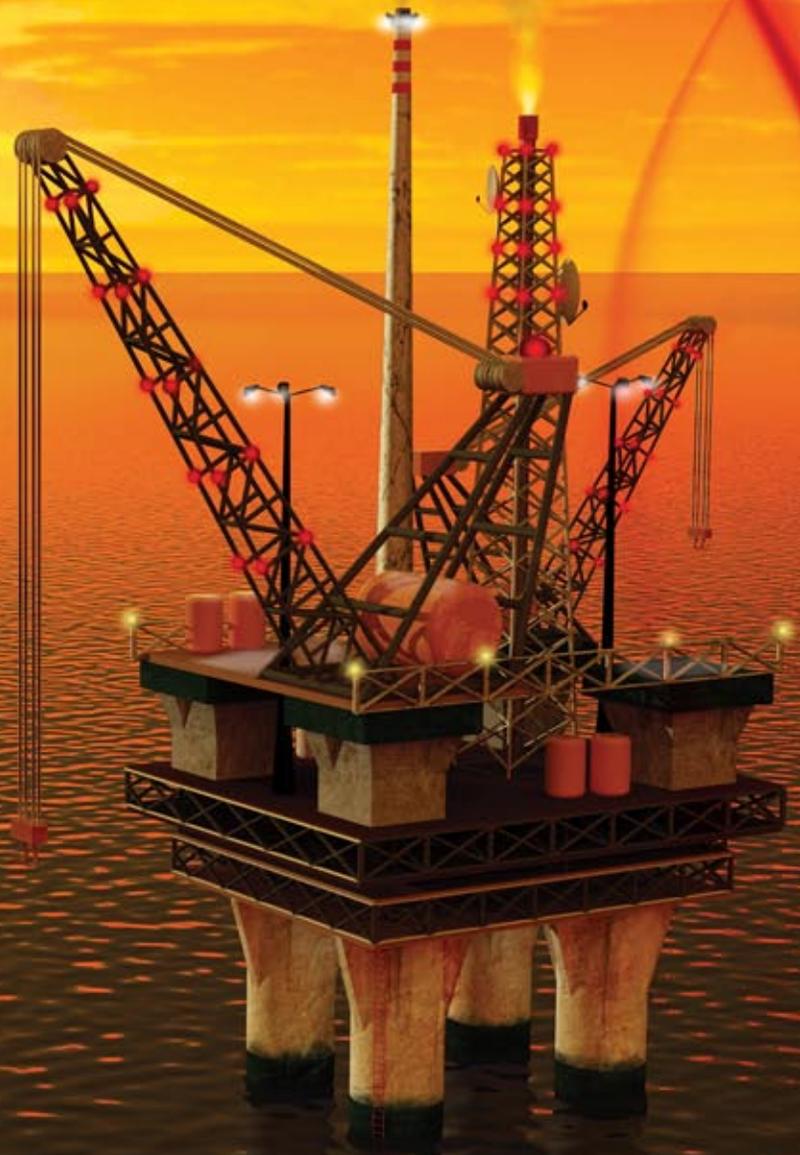


IWATTCO™

Manufacturer of Electric Heating Elements and Controls



**MANUFACTURER
OF INDUSTRIAL
HEATERS**



WATTCO INDUSTRIAL HEATERS

If you have been looking for the best inline gas heating elements on the market you will definitely find Wattco manufacturing Company located in North America the leading supplier of every type you can imagine. We supply commercial and industrial inline gas heating elements from inline water heater elements to tubular heaters plus we offer all the relevant controls suitable for them, like operating panels and thermostats. An inline water heater is used in dozens of applications. Using an inline water heater is energy efficient and a simple means of maintaining water temperature while the water or whatever liquid you wish to heat is continuously pumped in a closed loop cycle.

For almost 50 years Wattco has been the reliable heating elements to choose when you wish to heat liquids to the desired temperatures for commercial, industrial and residential applications. The inline water heater or circulation heaters are also useful for heating steam, gas, and oil and you can get different sizes with power outputs to suit your specific needs. The inline water heater is enclosed in an insulated chamber or pipe body where water is pressurized through by a pump and you will have an inlet where cold water is pumped and the outlet where hot water is expelled at the desired temperature which is controlled by a thermostat regulator.

Commercial applications are now moving to using the energy efficient inline water heater system as a replacement of tank water heaters which are costly to heat and maintain. Inline water heater systems give you instant hot water on tap and they are useful for kitchens and showers. A qualified plumber will work out the best system if this nature for you, and you will see over the long term that it is a great investment to save on energy bills. You can read more about the inline water heater on our website with a product sheet showing you more specifications and details. If you are planning any liquid heating system, our project form can be filled in online and we will be delighted to help you with information on the best choice of heating elements and systems to use for your applications.

Wattco can custom make a specific element for all your heating needs whether it is a special element for laboratory and scientific purposes or large industrial heating inline water heating element. Our extensive experience has made us a trusted name in the marketplace and we work according to high industry standards and specifications for all of our products. Click on the links to any heating element selection you are interested in to learn more about them to help you make your



choices. We are dedicated to our complete client satisfaction and welcome your inquiries for any products you need. Best of all, dealing directly with the manufacturer ensures that you get products at the best prices and you can use the convenience of internet technology to browse through everything we have to offer.

Petrochemicals often require certain temperatures in order to maintain its viscosity in process applications as well as in harsh external environments

Flanged heaters are often chosen in order to apply a relatively moderate heat source that can penetrate the heavy lubricant evenly across the containment. Bitumen often uses flanged heaters to help with the extraction process in the oil industry.

Circulation heaters are used when circuits of flowing liquid exist and users are looking for minimal heat applications. The liquid starts off at ambient temperatures but the residual heat that already exists in a well insulated circuit is assisted with bursts of gradual cyclical heat from a heat source: the flanged heater.

Using precise instrumentation such as a thermocouple or an RTD, users can often reach the temperature required with efficient use of clean energy while achieving their goals. Control panels are also used with high limit controllers to help prevent higher temperatures that could result from caking

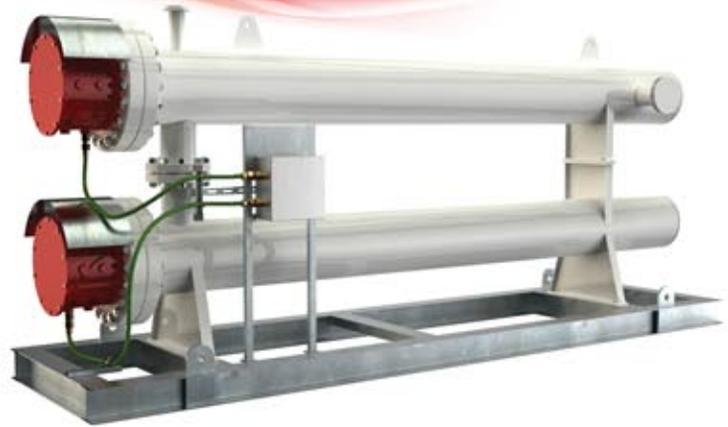
material that stick onto the heating elements. Low watt densities assist with the preservation of heating elements but a good control that shuts off the elements in the presence of high temperatures is an effective means to preserve both the heated medium as well as the heat source: your WATTCO flanged heaters.

Although some industrial heater element options can be interchangeable, most of these products were designed specifically to address a particular industry need. Take a brief moment to review some of the types of products WATTCO™ manufactures and how they are typically applied in commercial settings.

Industrial water immersion heaters come in a standard set of basic configurations:

- **Over the side** - even heating of fluids or freeze protection
- **Flange** - for boilers and fluid tanks
- **Pipe insert or bayonet** - indirect heat to viscous materials such as those found in food manufacturing
- **Circulation/in-line** - fast-acting, low-wattage applications such as engine preheating
- **Screw plug** - fluids such as in rinse tanks, chemical baths and caustics
- **Heating elements** are also manufactured in a flat tubular configuration or a round tubular design.

INDUSTRIAL HEATER ELEMENT CHOICES



To make navigation for the right industrial heater element even easier, we have designed Wattco.com to be as user-friendly as possible. Find out about industrial water immersion heaters and other products here, with detailed product descriptions and specs available online. For further inquiries, contact our representatives.

WATTCO™ has worked with a number of prominent customers to provide customized commercial and industrial solutions to heating problems. In keeping with our reputation as an industry leader, all products from WATTCO™ are guaranteed and our maintenance plans are quite thorough.

The boiler heater which is manufactured by Wattco is an excellent tank heater and this type of heater can be utilized in all types of open tanks which hold degreasing solvents, corrosive liquids, fuel oils, heat transfer fluids and even caustic solutions.

There are a number of advantages offered by this type of tank heater manufactured by Wattco which range from energy efficiency and since the heater is moisture and contaminant resistant it is one of the most popular choices for tank heating. The various other advantages of the boiler tank heater are simple maintenance, and the heater can be used for any number of tank sizes for any number of heating applications. In order to view the full specifications of the tank heater which has made tank heating possible, take a moment to browse the technical specifications of the tank heater, as well as the various other heaters which work well as tank heaters via the Wattco website at www.wattco.com. Wattco's over the side heaters, however, work just as well as tank heaters, and the immersion type tank heaters have been manufactured from side mounted tubular elements and have been designed to provide freeze protection for the heating of viscous solutions, oils, water, solvents, salts and acids, and the over the side heaters may be easily removed and reinstalled when the tanks require cleaning. Like the boiler heaters, the over the side tank heaters also offer end users with numerous advantages within heating applications and are lightweight and portable, allowing them to be complete interchangeable.

Wattco has been manufacturing heating systems since 1971 and Wattco is one of the oldest electric heating companies in North America which provides dozens of heating solutions for virtually every type of industrial application, from tank heating and high temperature controls. The over the side tank heaters

are designed to deliver a constant temperature and are also moisture-resistant and the innovative design of the tank heater caters for complete safety during use. One of the most favorable benefits which is provided by the over side tank heater is that no holes need to be drilled into the tank to allow for the fitment of the tank heater, as the over the side heaters slip over the side of the tank and are immersed directly into the solution. As in the case of the boiler heaters, complete technical specifications for the over the side tank heater may be viewed on the Wattco website

Wattco has been manufacturing heating systems for forty years and in fact, Wattco is one of the oldest electric heating companies in North America that offers heating solutions for just about every application, from tank heating, as well as high temperature controls. The boiler heater manufactured by Wattco is an effective means of tank heating and can be used in open tanks which contain degreasing solvents, fuel oils, heat transfer fluids as well as caustic solutions.

The advantages of the boiler heaters from Wattco include energy efficiency and they are moisture and contaminant resistant which is vital for tank heating. Other advantages of the boiler heat include easy maintenance, and they can be used for various sizes of tanks for a variety of tank heating applications. To view the full specifications of the boiler heater that has made tank heating possible, feel free to browse the technical specifications of the boiler heater on the Wattco website at www.wattco.com.

Wattco's over the side heaters are also conducive to tank heating and these immersion heaters are manufactured from side mounted tubular elements and are designed to offer freeze protection for the tank heating of viscous solutions, oils, water, solvents, salts and acids, and these over the side heaters can be easily removed and reinstalled for cleaning of the tanks when needed. Like the boiler heaters, the over the side heaters offer numerous advantages for tank heating applications, and are lightweight and portable, which allows them to be totally interchangeable. The over the side heaters deliver a constant temperature and are moisture-resistant, while the design of the heaters allow for total safety during tank heating. The most favorable benefits offered by the over side heaters is that no holes need to be drilled into the tank to allow for heating, as the heaters simply slip over the side of the tank. Again, the full technical specifications for the over the side heaters can be viewed on the Wattco website.



Gas/Oil/Water Separation

