

# L-SHAPED IMMERSION HEATERS

Our L-shaped heaters are designed to maximize application flexibility and minimize installation costs. Compared to other standard Immersion Heat such as Over the Side, Side Wall, and Tank Heaters, an L-shaped immers heater delivers heat at the bottom of the tank making it safer for tanks with lower liquid levels. Explore the features and capabilities of our L-shap immersion heaters to discover the customizable solutions that can improve the safety and efficiency of your project, application, and industry.

## L-Shaped Heater Features

Each custom-made L-shaped immersion heater is designed to fit your requirements, including different sizes, materials, and wattage.



### Mounting Options

An L-shaped heater can be top-mounted into tanks and drums keeping the terminal enclosure at the top while applying heat at the bottom of the tank.



### Easy Installation

The L-shaped design allows for easy installation and removal for cleaning or use in multiple tanks. L-shaped heaters do not require tank drainage for heater removal.



### UL Listed

UL Listing means that UL has tested representative samples of a product and determined that the product meets specific, defined requirements. (Excludes L-Shaped heaters with Thermostat and Titanium)



### Terminal Box

Rugged terminal boxes provided for wiring connections on our custom L-shaped immersion heaters. NEMA 4 terminal boxes are standard and NEMA 4/7/9 terminal boxes are available upon request.



### Straight, Circular, or Custom

Standard immersion heater (<https://heatmaxheaters.com/immersion-heaters/>) models with straight or circular elements (sometimes called O-Shaped) are designed to fit most tank and drum configurations. If our standard models don't fit, our L-shaped immersion heaters have a variety of dimensions, heater sheath materials, and capabilities available.



### Materials Available

Talk to us about which material is best for your application, and we will find a solution that works for your project. Sheath elements for our L-shaped heaters are available in Stainless Steel, Titanium, and Incoloy®. The riser is available in Stainless Steel and Titanium.



### Thermostats

Thermowell and thermostats are available to improve the safety and efficiency of your L-shaped immersion heater.



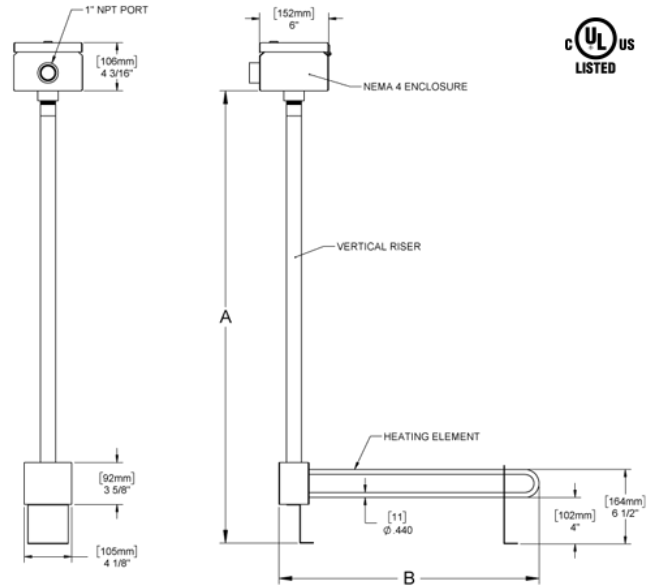
### Puts Heat at the Bottom

An unheated vertical riser makes L-shaped heaters a safer option for tanks with lower liquid levels.

## L-Shaped Immersion Heater Specifications

Sizes measured from "A" and "B" lengths  
Custom sizes available

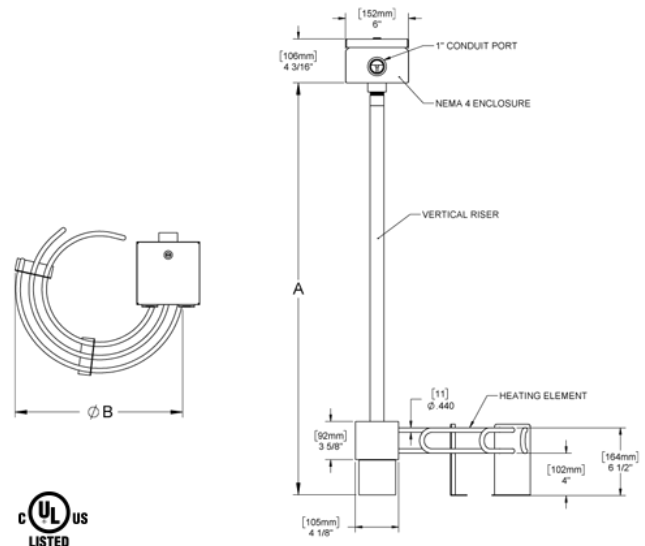
Description	kW	A Dimension		B Dimension	
		in	mm	in	mm
<b>L-Shaped "Straight Element" 48 W/in<sup>2</sup></b>	3	39 5/16	998	14 5/8	372
	6	39 5/16	998	22 5/8	575
	9	39 5/16	998	30 1/8	765
	12	51 5/16	1303	37 5/8	956
	15	51 5/16	1303	45 1/8	1146
	18	51 5/16	1303	52 5/8	1337
Applications: Process water, mild caustic solutions (2% max), clean water					
<b>L-Shaped "Straight Element" 23 W/in<sup>2</sup></b>	3	39 5/16	998	22 5/8	575
	6	51 5/16	1303	37 5/8	956
	9	51 5/16	1303	52 5/8	1337
Applications: Citric and phosphoric acid solutions, caustic solutions, water based solutions, some oils					



## Circular Element Immersion Heaters Specifications

Sizes measured from "A" and "B" lengths  
Custom sizes available

Description	kW	A Dimension		B Dimension	
		in	mm	in	mm
<b>L-Shaped "Circular Element" 48 W/in<sup>2</sup></b>	3	39 5/16	998	10 3/4	273
	6	39 5/16	998	13 1/2	343
	9	39 5/16	998	16	406
	12	51 5/16	1303	18 1/2	470
	15	51 5/16	1303	21 1/2	546
	18	51 5/16	1303	23 1/2	597
Applications: Process water, mild caustic solutions (2% max), clean water					
<b>L-Shaped "Circular Element" 23 W/in<sup>2</sup></b>	3	39 5/16	998	13 1/2	343
	6	51 5/16	1303	18 1/2	470
	9	51 5/16	1303	23 1/2	597
Applications: Citric and phosphoric acid solutions, caustic solutions, water based solutions, some oils					



## Customizable Specifications for L-Shaped Heaters

Need a non-standard shape, or a replacement for a discontinued heater? Our L-shaped immersion heaters could accommodate your unique specifications. With 70 years of experience in the industry, there isn't much we haven't built before. Send us a picture a sketch, or a sample of the L-shaped heater you require, and we can engineer it for you.



### Voltage

Custom over-the-side, L-shaped immersion heaters can be supplied with voltages up to 600V.



### Element Numbers

Element numbers available in 3, or stacked 6 and 9 for increased heat output.



### Wattage

Alternate wattage is available for our custom-made L-shaped heaters.



### Terminal Boxes

NEMA 4 and NEMA 4/7/9 terminal boxes are available for our L-shaped immersion heaters.



### Length & Height

The element length or riser height of your L-shaped immersion heater can be built to fit your tank.



### Thermostat & Thermocouples

Thermostats and Thermocouples can be added to all custom L-shaped heaters to accommodate the demands of your specific project.



### Sheath Material

Sheath material for our L-shaped heaters is available in Stainless Steel, Titanium and Incoloy®.



### Extension Arms

Use a 90-degree bend to the riser and extension to place outlet box 6" from the riser and process tank. Extension arm length of each L-shaped heater can be customized according to your specifications.



### Riser Material

Riser material for our custom L-shaped heaters is available in Stainless Steel and Titanium.