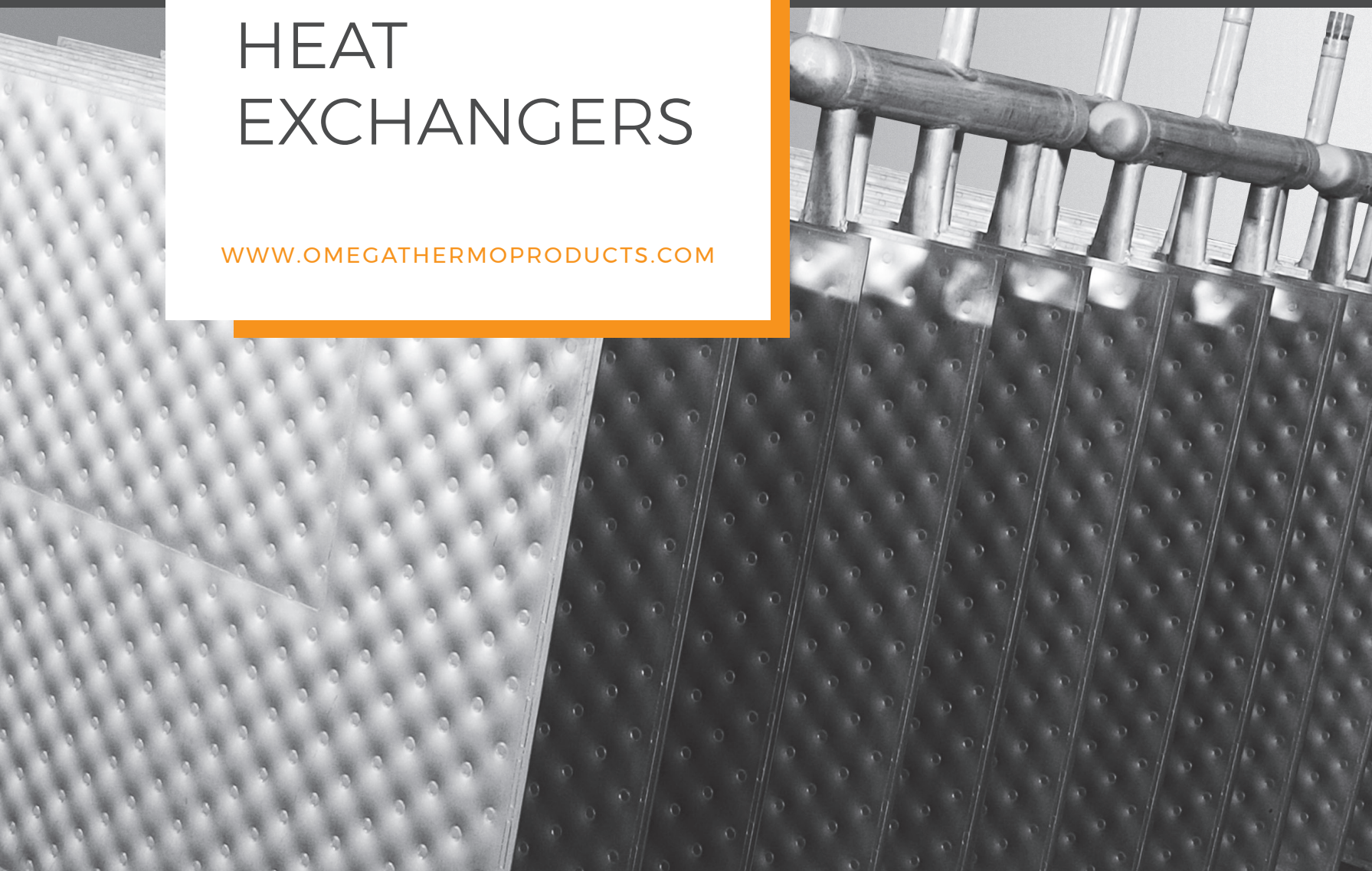


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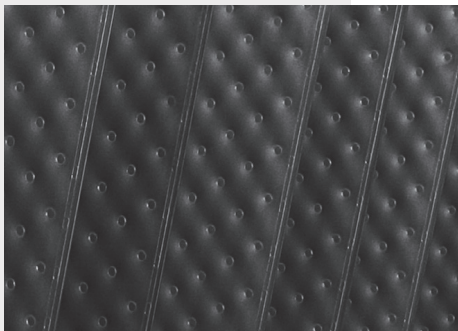
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# IMMERSION HEAT EXCHANGERS

[WWW.OMEGATHERMOPRODUCTS.COM](http://WWW.OMEGATHERMOPRODUCTS.COM)



LEADING IN HEAT TRANSFER TECHNOLOGY



# IMMERSION HEAT EXCHANGERS TO COOL OR HEAT HIGHLY CONTAMINATED LIQUIDS

## Applications

**Cold water for bakeries**

**Cold water for food processing**

**Direct heating and/or cooling of storage tanks**

**Heat recovery for municipal waste water**

**Heaters for distillation**

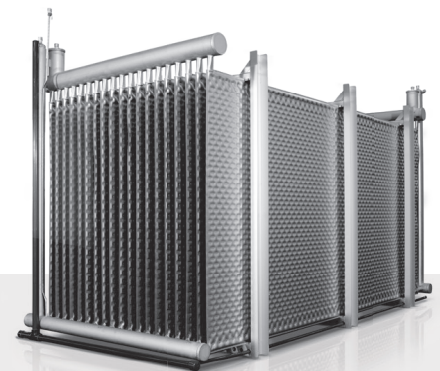
Omega's Immersion Heat Exchangers make it easy to cool or heat a numerous variety of liquids. The flexible design ensures that the plates are easy to clean and maintain. Immersion Heat Exchangers can be a single plate or an assembly of multiple Laser Plates that are banked together and immersed in a container with liquid. The medium in the plates can then cool or heat the liquid in the container. Our Immersion Products can be utilized in either a continuous flow, or a batch process.

## Agitation

Agitation can be used to create turbulence at the surface of the Laser Plates, this will greatly improve the heat transfer coefficient of the process. Agitation can be created by using a recirculation pump, air injection or an agitator.

## Why should you use an Omega Immersion Product?

- › Heating or cooling of various liquids, even high viscosity liquids
- › Easy to maintain due to open design and space between the plates
- › High heat transfer capabilities in a small package for many applications
- › Can be designed to accommodate high flow rates
- › Can be designed to your specific needs and dimensions



## Specifications

All of our Immersion Products are custom-made. Please consult an Omega Thermo Products Sales Engineer so we can discuss your requirements for heating or cooling and determine which solution is best for you. Below are some of the service medium and material options:

### Heating or cooling medium

Almost all heating or cooling mediums can be used with our Immersion Heat Exchangers, such as steam, thermal oil, R717, CO<sub>2</sub>, Propylene Glycol, Ethylene Glycol, R22, R134A and R404A.

### Materials

Omega's Immersion Heat Exchangers are made of stainless steel such as 304, 316, AL6XN and Duplex 2205.



Do not hesitate to contact Omega with your process requirements.

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