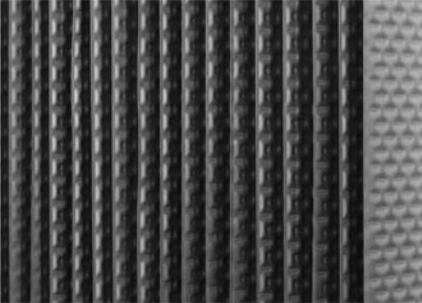
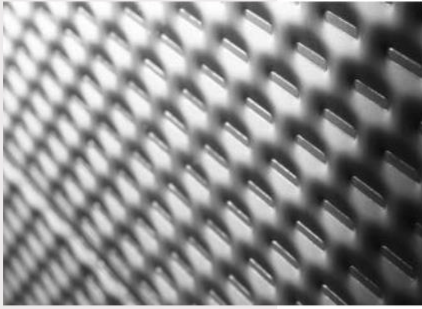


OMEGA
THERMO PRODUCTS | ICEHILL

IMMERSION HEAT EXCHANGERS

WWW.OMEGA-ICEHILL.IN

CUSTOM MADE SOLUTIONS 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 cooling and/or heating in storage tanks

Heat recovery for municipal waste water

Heaters for distillation

Omega's Immersion Heat Exchangers make it easy to cool or heat a vast variety of liquids. The bulletproof design ensures that the plates are easy to clean and maintain.

Immersion Heat Exchangers can be a single plate or an assembly of multiple Pillow Plates that are banked together and immersed in a container with liquid.

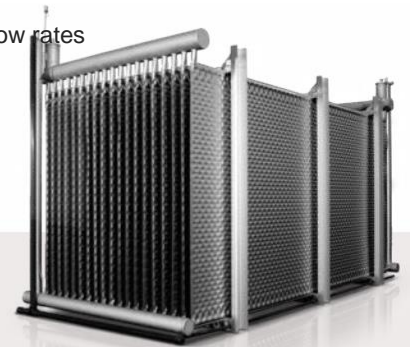
The medium in the plates can then cool or heat the liquid in the container. Our Immersion Heat Exchangers can be utilized in either a continuous flow, or a batch process.

Agitation

Agitation can be used to create turbulence at the surface of the Pillow 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.

When to choose an Omega Immersion Heat Exchanger?

- › Cooling and heating 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

Our Immersion Heat Exchangers are custom-made. Please consult an Omega Thermo Products Sales Engineer so we can discuss your requirements for cooling or heating and determine which solution is best for you.

Cooling or heating medium

Numerous cooling or heating media can be used with our Immersion Heat Exchangers, such as steam, thermal oil, R717, CO₂, Propylene Glycol, Ethylene Glycol, R22, R134A and R404A.

Materials

Omega Immersion Heat Exchangers are made of stainless steel types such as 304, 316, SMO-254 and Duplex 2205.



Do not hesitate to contact Omega with your process requirements.

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