

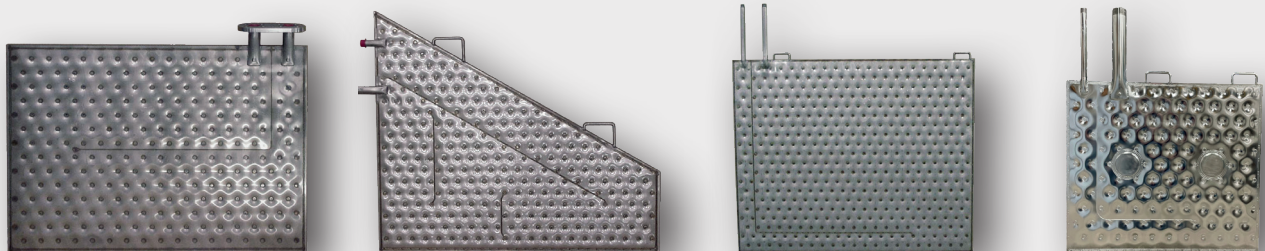
OMEGA



THERMO PRODUCTS

IMMERSION PLATES

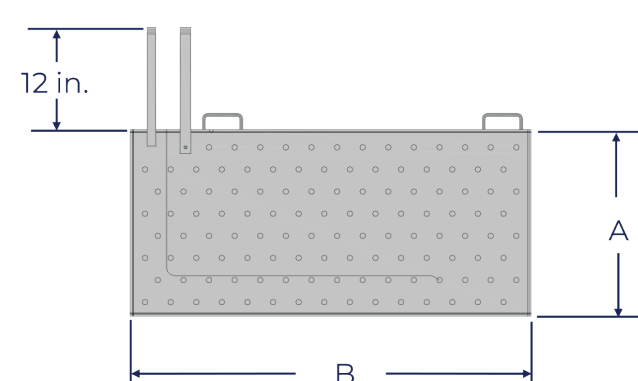
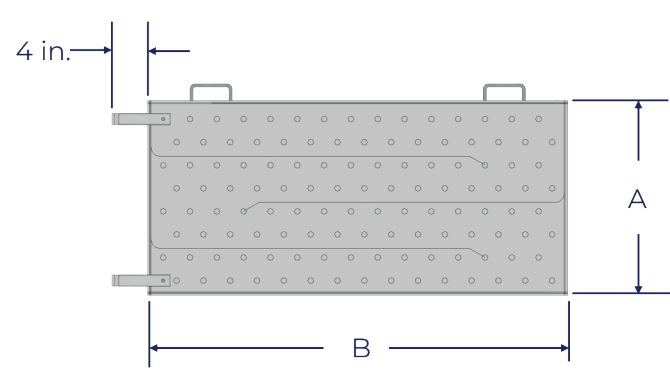
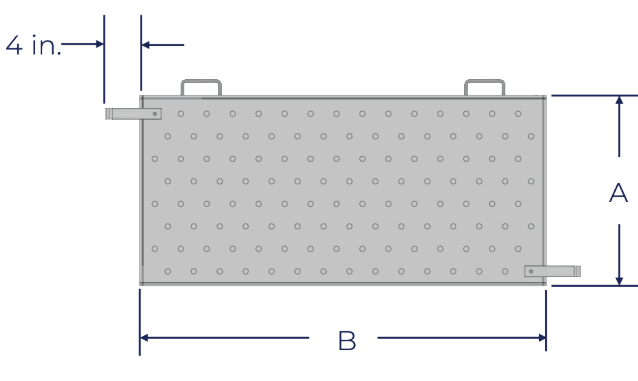
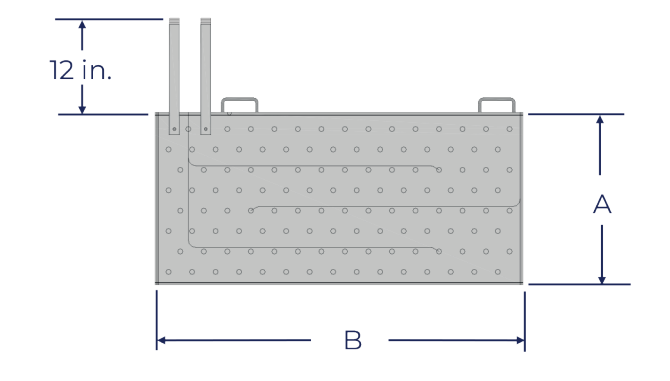
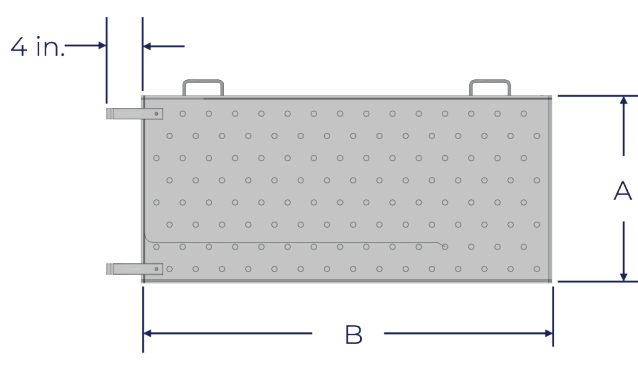
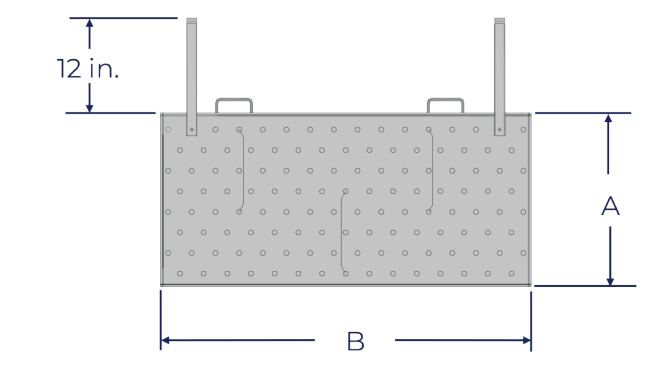
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LEADING IN HEAT TRANSFER TECHNOLOGY

Omega immersion plates are suitable for numerous heat and cooling applications where direct contact with product is acceptable.

All plates are manufactured utilizing the latest technology of laser welding assuring optimal performance and longevity.

| "S" Steam Plates | "F" Fluid Plates |
|---|--|
| <div>Type 900</div>  <p>The diagram shows a rectangular plate with a grid of small circular holes. Two vertical tubes are attached to the top left corner, with a dimension line indicating a height of 12 in. Two horizontal tubes are attached to the bottom left corner. The plate has two handles on top. Dimensions A and B are indicated on the right and bottom respectively.</p> | <div>Type 600</div>  <p>The diagram shows a rectangular plate with a grid of small circular holes. Two horizontal tubes are attached to the top left corner, with a dimension line indicating a height of 4 in. Two horizontal tubes are attached to the bottom left corner. The plate has two handles on top. Dimensions A and B are indicated on the right and bottom respectively.</p> |
| <div>Type 800</div>  <p>The diagram shows a rectangular plate with a grid of small circular holes. Two horizontal tubes are attached to the top left corner, with a dimension line indicating a height of 4 in. Two horizontal tubes are attached to the bottom right corner. The plate has two handles on top. Dimensions A and B are indicated on the right and bottom respectively.</p> | <div>Type 500</div>  <p>The diagram shows a rectangular plate with a grid of small circular holes. Two vertical tubes are attached to the top left corner, with a dimension line indicating a height of 12 in. Two horizontal tubes are attached to the bottom left corner. The plate has two handles on top. Dimensions A and B are indicated on the right and bottom respectively.</p> |
| <div>Type 700</div>  <p>The diagram shows a rectangular plate with a grid of small circular holes. Two horizontal tubes are attached to the top left corner, with a dimension line indicating a height of 4 in. Two horizontal tubes are attached to the bottom left corner. The plate has two handles on top. Dimensions A and B are indicated on the right and bottom respectively.</p> | <div>Type 400</div>  <p>The diagram shows a rectangular plate with a grid of small circular holes. Two vertical tubes are attached to the top left corner, with a dimension line indicating a height of 12 in. Two vertical tubes are attached to the top right corner. The plate has two handles on top. Dimensions A and B are indicated on the right and bottom respectively.</p> |

Type “S” Steam Plates

The Omega steam plate design optimizes condensate return for more efficient heat transfer. Steam plates are ideal for any application which utilizes steam as a heating media.

Type “F” Fluid Plates

The Omega fluid plate design utilizes baffles to optimize fluid circulation in the plates. Fluid plates are ideal for any heating or cooling application where as fluid is used as the media.

Standard Features

Plate material thickness: 18, 16, 14 or 12 ga.

Material types: 304 or 316L stainless steel

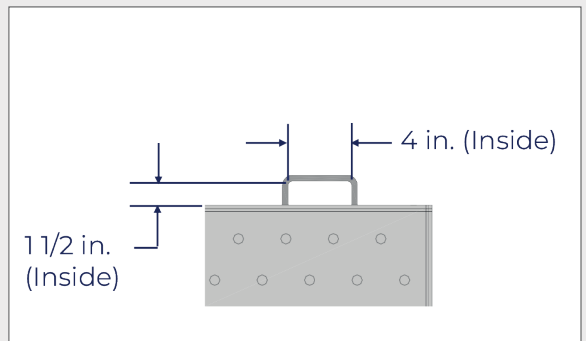
Nozzles: Sch 40, NPT

Operating Pressure: 150 PSI

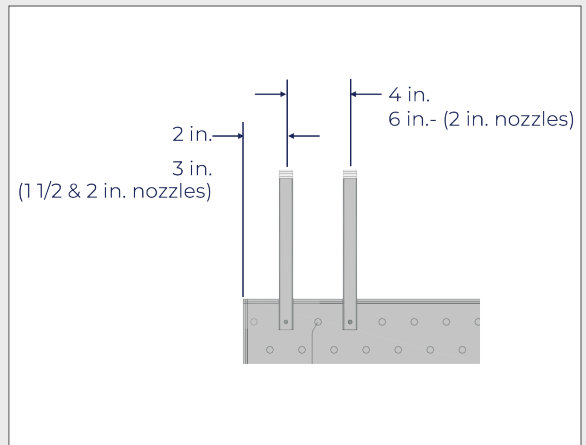
Operating Temperatures: -20°F / 400°F

Finish: as welded

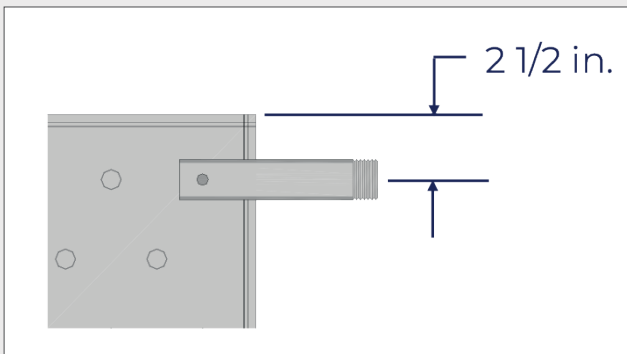
For standard plate and nozzle sizes, refer to the table on the back cover.



Handle detail



Top nozzle placement



Side nozzle placement

Plate Options

Specialty metals

Pickling or electro-polishing

Plate hangers

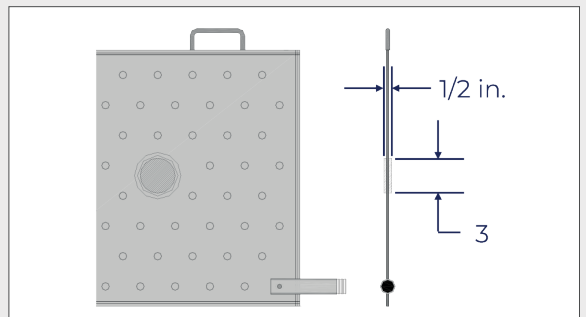
Bang pads

Special rolling or forming

ASME “U” Stamp

Flanged or weld type fittings

Other options available upon request



Bang pads

Standard Plate Sizes

| Dim (A) | Dim (B) | Surface area (ft ²) | Type "S" Plates | | Type "F" Plates | |
|---------|---------|---------------------------------|-----------------|--------|-----------------|--------|
| | | | Inlet | Outlet | Inlet | Outlet |
| 12 | 18 | 3.0 | 1" | 3/4" | 3/4" | 3/4" |
| 12 | 23 | 3.8 | 1" | 3/4" | 3/4" | 3/4" |
| 12 | 35 | 5.8 | 1" | 3/4" | 3/4" | 3/4" |
| 12 | 47 | 7.8 | 1" | 3/4" | 3/4" | 3/4" |
| 18 | 23 | 5.8 | 1" | 3/4" | 3/4" | 3/4" |
| 18 | 35 | 8.8 | 1" | 3/4" | 3/4" | 3/4" |
| 18 | 47 | 11.8 | 1" | 3/4" | 3/4" | 3/4" |
| 18 | 59 | 14.8 | 1" | 3/4" | 3/4" | 3/4" |
| 22 | 23 | 7.0 | 1" | 3/4" | 1" | 1" |
| 22 | 35 | 10.7 | 1" | 3/4" | 1" | 1" |
| 22 | 47 | 14.4 | 1" | 3/4" | 1" | 1" |
| 22 | 59 | 18.0 | 1 1/2" | 3/4" | 1" | 1" |
| 29 | 35 | 14.1 | 2" | 1" | 1 1/2" | 1 1/2" |
| 29 | 47 | 18.9 | 2" | 1" | 1 1/2" | 1 1/2" |
| 29 | 59 | 23.8 | 2" | 1" | 1 1/2" | 1 1/2" |
| 29 | 71 | 28.6 | 2" | 1" | 1 1/2" | 1 1/2" |
| 36 | 47 | 23.5 | 2" | 1" | 1 1/2" | 1 1/2" |
| 36 | 59 | 29.5 | 2" | 1" | 1 1/2" | 1 1/2" |
| 36 | 71 | 35.5 | 2" | 1" | 1 1/2" | 1 1/2" |
| 36 | 83 | 41.5 | 2" | 1" | 1 1/2" | 1 1/2" |
| 48 | 59 | 39.3 | 2" | 1" | 1 1/2" | 1 1/2" |
| 48 | 71 | 47.3 | 2" | 1" | 1 1/2" | 1 1/2" |
| 48 | 83 | 55.3 | 2" | 1" | 1 1/2" | 1 1/2" |
| 48 | 96 | 64.0 | 2" | 1" | 1 1/2" | 1 1/2" |

Special Plate Sizes:

All Omega plates are CNC laser welded, which allows us to create virtually any size or configuration plate for new equipment design or direct replacement needs.

Engineering & Design

Information included in this literature illustrate standard immersion plate features and options. Omega has on staff engineers prepared to help with any thermal sizing or special design needs.

Omega Thermo Products qualifications

USA
OMEGA THERMO PRODUCTS
212700 LASER DRIVE
STRATFORD, WI 54484
PHONE: 715.687.8102
OMEGA@LASER-PLATE.COM

ASME CRN CE PED
ASME U-stamp, Canadian Registration Number, PED

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