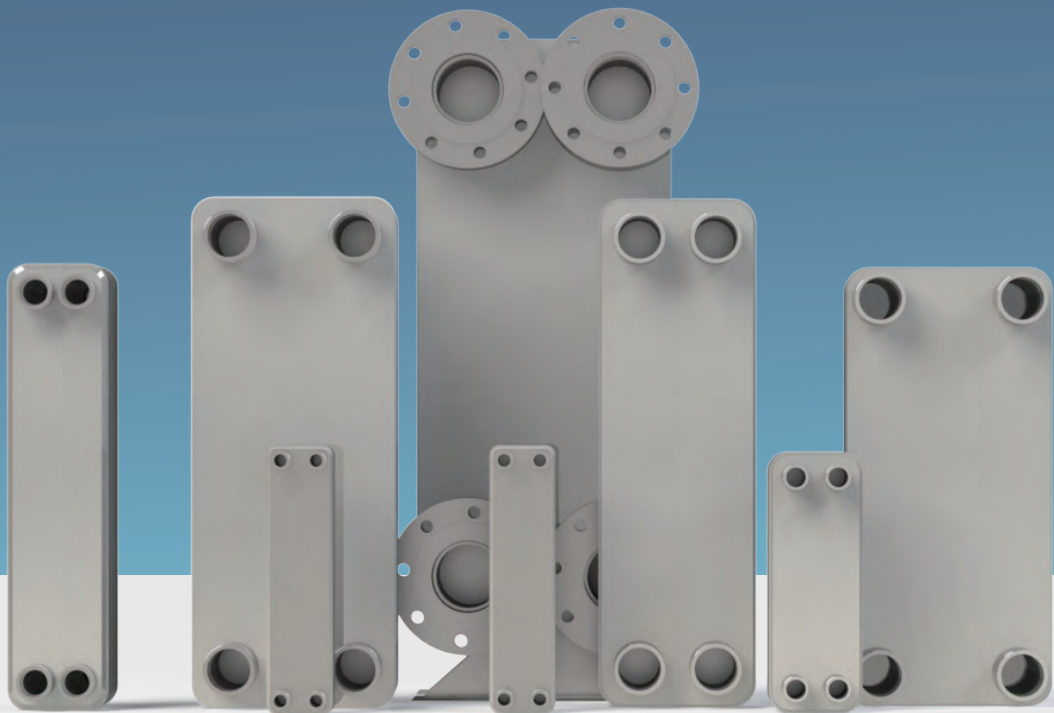


STAINLESS BRAZED

PLATE HEAT EXCHANGER

- Pure stainless, More Hygienic. More Durable



What is a Stainless Brazed Plate Heat Exchanger (All-Stainless)?

A Stainless Brazed Plate Heat Exchanger, in its all-stainless configuration, is a type of compact heat exchanger where both the heat transfer plates and the brazing material are made of stainless steel. Unlike conventional brazed plate heat exchangers that use copper or nickel as the filler material, this design uses stainless steel-based brazing (typically via vacuum brazing) to ensure superior corrosion resistance in aggressive media.

Advantages:

- 100% Metal Compatibility
- Exceptional Corrosion Resistance
- No Galvanic Corrosion Risk
- High Pressure & Temperature Ratings
- Hygienic & Clean Media Handling

Typical Applications:

- Chemical and pharmaceutical process systems
- Semiconductor cooling & ultra-pure water loops
- Food & beverage processing
- Marine, desalination, and brine applications
- Corrosive process cooling loops

COPPER BRAZED



VS

STAINLESS BRAZED



**Performance Comparison at a Glance*

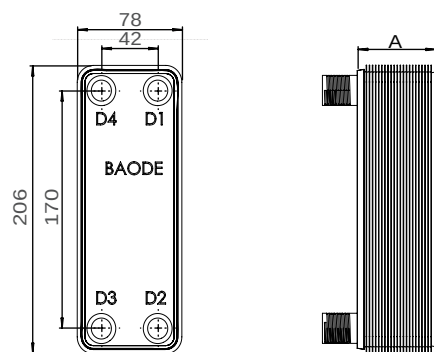
Copper Brazed BPHE

- Max Temp: Up to **200°C**
- Corrosion Resistance: **Moderate**
- Chemical Compatibility: **Limited**
- Thermal Efficiency: High
- Hygiene: **Moderate**
- Ion Contamination: **Possible**
- Brazing Integrity: **May degrade**
- Cost: Lower initial cost

Stainless Brazed BPHE

- Max Temp: Up to **400°C**
- Corrosion Resistance: **Excellent**
- Chemical Compatibility: **Broad**
- Thermal Efficiency: Slightly lower
- Hygiene: **High**
- Ion Contamination: **None**
- Brazing Integrity: **Excellent**
- Cost: Higher upfront

BL14



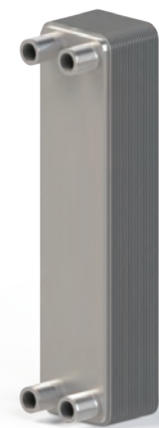
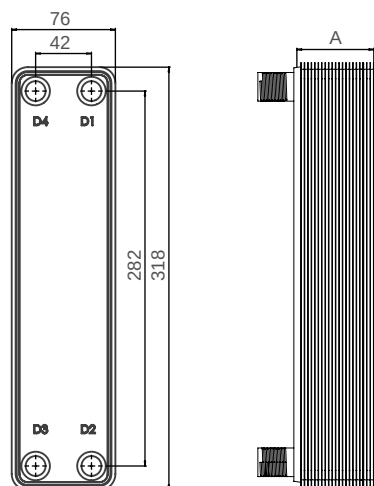
Dimensions in mm

A Dimension (mm): $8.6 + 2.3 \times N$
Max Pressure (bar): 15/30
Max Flowrate(m³/h): 3.6
Channel Volume (L): 0.027
Port Size (mm): 20
Plate Combination Options: D

FLOW DIRECTION

BRAZING OPTION

BL20



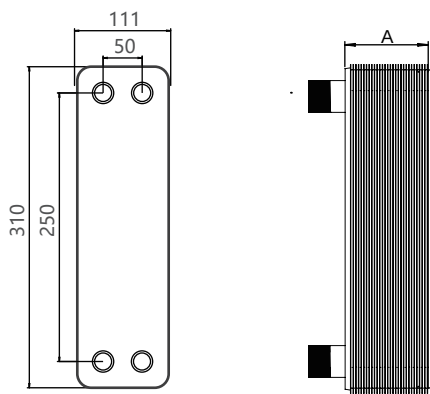
Dimensions in mm

A Dimension (mm): $8 + 2.31 \times N$
Max Pressure (bar): 15 / 30
Max Flowrate (m³/h): 4.6
Channel Volume(L): 0.039
Port Size (mm): 20
Plate Combination Options: D

FLOW DIRECTION

BRAZING OPTION

BL26



Dimensions in mm

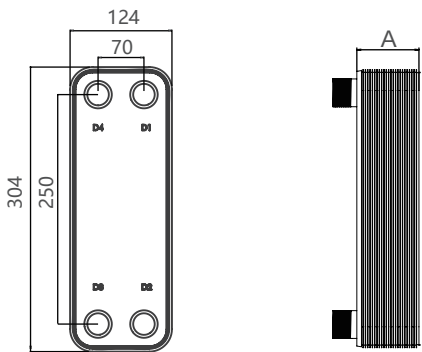


A Dimension (mm): $9 + 2.29N$
Max Pressure (bar): 15 / 45
Max Flowrate (m³/h): 14
Channel Volume (L): 0.05
Port Size (mm): 32
Plate Combination Options: D

FLOW DIRECTION

BRAZING OPTION

BL30



Dimensions in mm

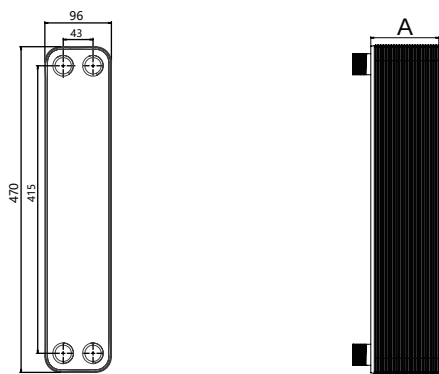


A Dimension (mm): $12 + 2.31 \times N$
Max Pressure (bar): 30 / 45
Max Flowrate (m³/h): 14.2
Channel Volume (L): 0.069
Port Size (mm): 32
Plate Combination Options: D

FLOW DIRECTION

BRAZING OPTION

BL40



Dimensions in mm

A Dimension (mm): $9.4 + 2.31 \times N$
Max pressure (bar): 15 / 30
Max flowrate (m³/h): 14
Volume per channel (L): 0.08
Port Size (mm): 32
Plate Combination Options: D

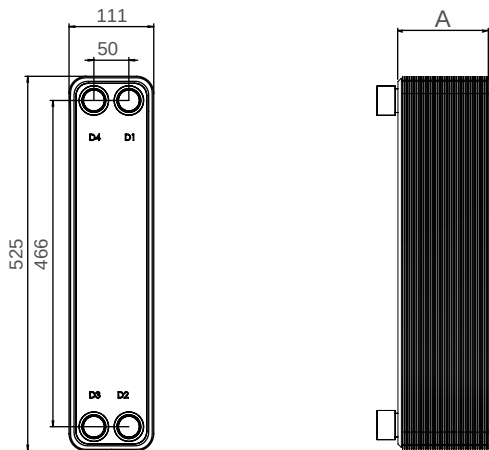
FLOW DIRECTION



BRAZING OPTION



BL50 (C,D)



Dimensions in mm

A Dimension (mm): $9.5 + 2.31 \times N$
Max Pressure (bar): 15 / 30
Max Flowrate (m³/h): 14
Channel Volume(L): 0.097
Port Size (mm): 32
Plate Combination Options: D

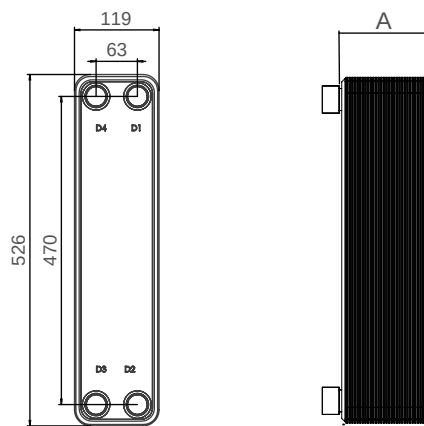
FLOW DIRECTION



BRAZING OPTION



BL60



Dimensions in mm

A Dimension (mm): $9.4 + 2.31 \times N$
 Max Pressure (bar): 15 / 30
 Max Flowrate (m³/h): 14
 Channel Volume (L): 0.11
 Port Size (mm): 32
 Plate Combination Options: D



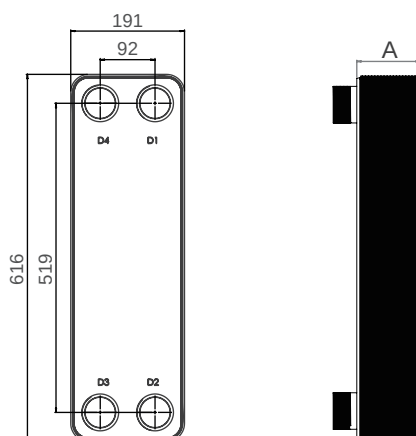
FLOW DIRECTION



BRAZING OPTION



BL95 (A, B,C)



Dimensions in mm

A Dimension (mm): $10.2 + 2.31 \times N$
 Max Pressure (bar): 15 / 30
 Max Flowrate (m³/h): 34/ 60
 Channel Volume (L): 0.2 / 0.25
 Port Size (mm): 50/ 65
 Plate Combination Options: D,H,X



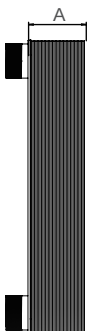
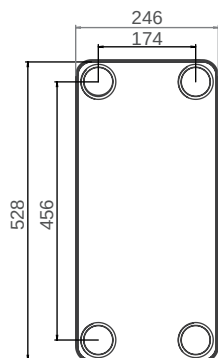
FLOW DIRECTION



BRAZING OPTION



BL120



Dimensions in mm

A Dimension (mm): $12.4 + 2.31 \times N$
 Max Pressure (bar): 30 / 45
 Max Flowrate (m³/h): 34
 Channel Volume (L): 0.24
 Port Size (mm): 50
 Plate Combination Options: D

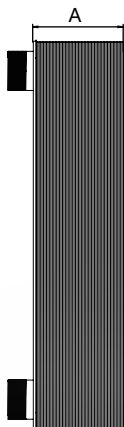
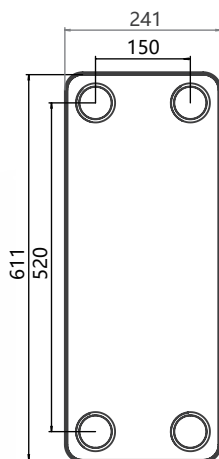
FLOW DIRECTION



BRAZING OPTION



BL144



Dimensions in mm

A Dimension (mm): $9 + 2.81 \times N$
 Max Pressure (bar): 30 / 45
 Max Flowrate (m³/h): 90
 Channel Volume (L): 0.49
 Port Size (mm): 80
 Plate Combination Options: D,H,X

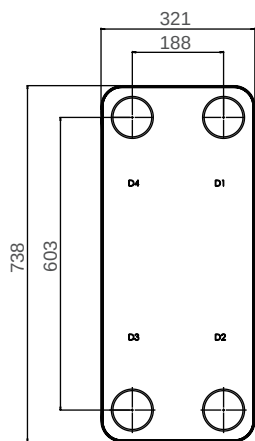
FLOW DIRECTION



BRAZING OPTION



BL200



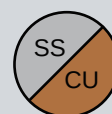
Dimensions in mm

A Dimension (mm): $12 + 2.75 \times N$
 Max Pressure (bar): 15 / 30
 Max Flowrate (m³/h): 140
 Channel Volume (L): 0.54
 Port Size (mm): 100
 Plate Combination Options: D,X,H

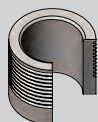
FLOW DIRECTION



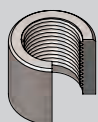
BRAZING OPTION



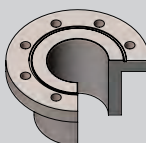
Connections Available



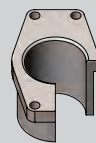
Male thread



Female thread



Flange

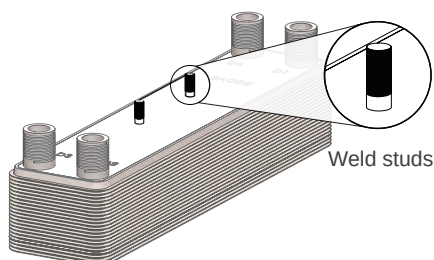


SAE flange

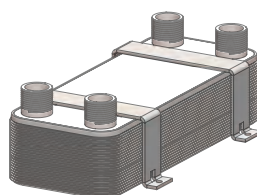


Solder

Mounting Accessories:



Weld studs



Mounting bracket

Lifting Lug



Support stand feet