

BRAZED PLATE HEAT EXCHANGER

-Efficient, Compact , Reliable

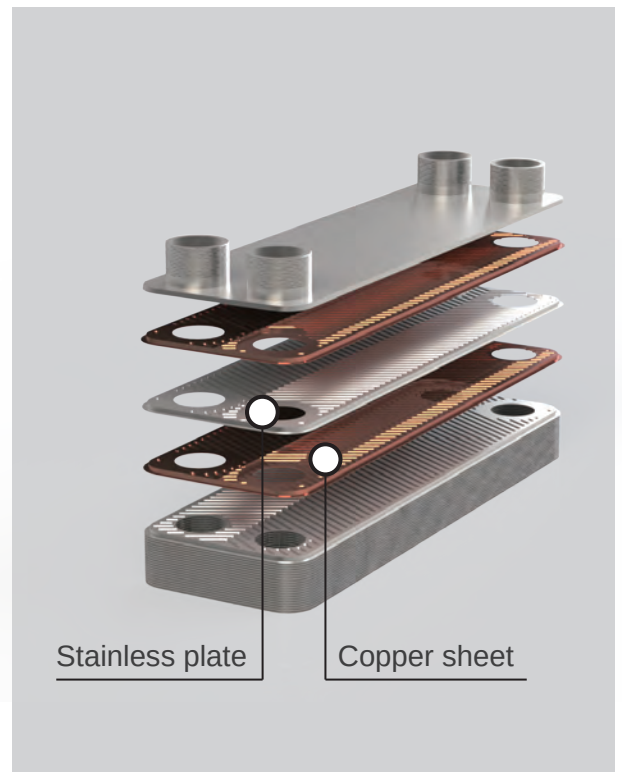


What is Brazed Plate Heat Exchanger

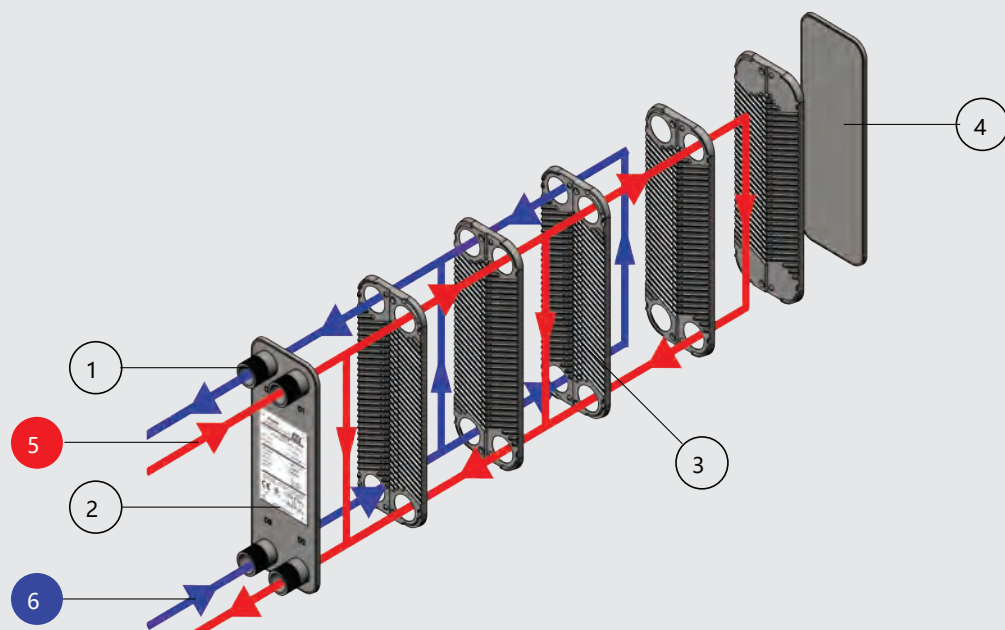
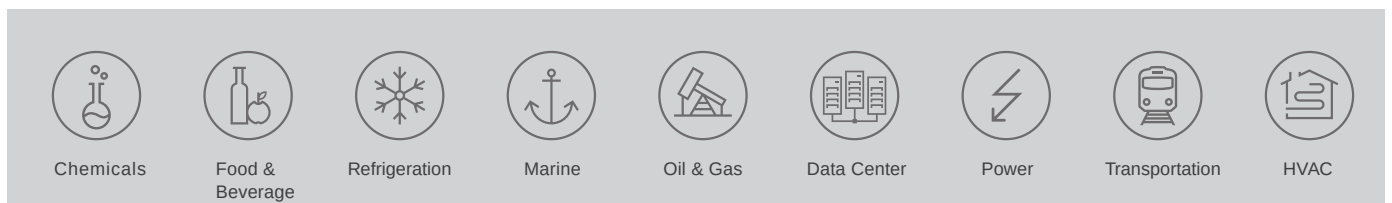
Brazed heat exchanger (BPHE) is a type of compact heat exchanger that consists of corrugated metal plates that are brazed together to form a single unit. The brazing process involves melting a filler material, typically copper-based alloy (Stainless or Nickle are available) between the plates to create a strong and leak-proof joint.

Benefits

- Compact size & light weight
- Easy to install
- High compression resistance
- Robust construction
- High corrosion resistance
- High application diversity
- Efficient heat transfer

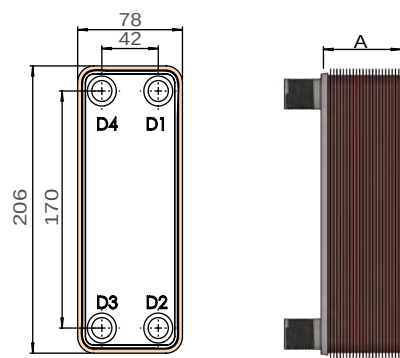


Applications:



1. Connection 2. Front pressure plate 3. Channel plates 4. End pressure plate 5. Hot fluid 6. Cold fluid

BL14



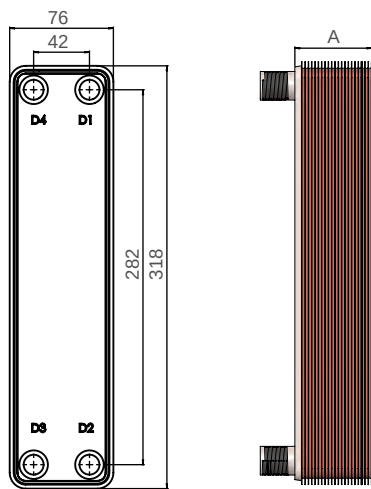
Dimensions in mm

A measure (mm): $8.6 + 2.3 \times N$
Max pressure (bar): 30 / 45
Max flowrate (m³/h): 3.6
Volume per channel (L): 0.027
Port Size (mm): 20
Plate Combination Options: D

FLOW DIRECTION BRAZING

The flow direction diagram shows two vertical arrows, one pointing up and one pointing down, indicating counter-current flow. The brazing diagram shows a circle divided diagonally, with 'SS' (Stainless Steel) in the upper half and 'CU' (Copper) in the lower half.

BL20



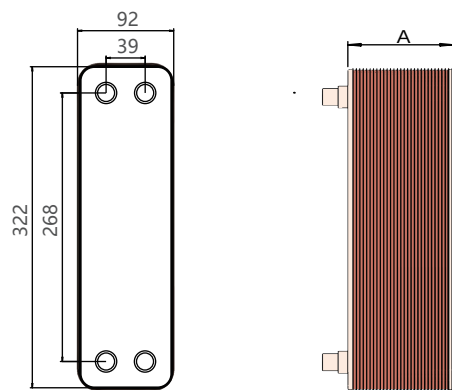
Dimensions in mm

A measure (mm): $8 + 2.31 \times N$
Max pressure (bar): 30 / 45
Max flowrate (m³/h): 4.6
Volume per channel (L): 0.039
Port Size (mm): 20
Plate Combination Options: D

FLOW DIRECTION BRAZING

The flow direction diagram shows two vertical arrows, one pointing up and one pointing down, indicating counter-current flow. The brazing diagram shows a circle divided diagonally, with 'SS' (Stainless Steel) in the upper half and 'CU' (Copper) in the lower half.

BL25

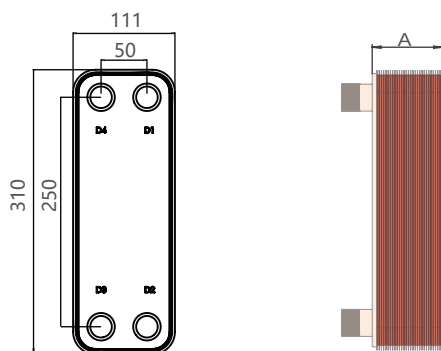


Dimensions in mm

A measure (mm): $8 + 1.55N$
Max pressure (bar): 30 / 45
Max flowrate (m³/h): 3.6
Volume per channel (L): 0.032
Port Size (mm): 25
Plate Combination Options: D

FLOW DIRECTION	BRAZING	DISTRIBUTOR

BL26

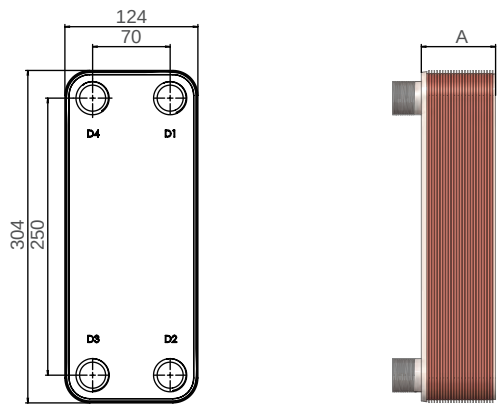


Dimensions in mm

A measure (mm): $9 + 2.29 \times N$
Max pressure (bar): 30 / 45
Max flowrate (m³/h): 14
Volume per channel (L): 0.05
Port Size (mm): 32
Plate Combination Options: D,H,X

FLOW DIRECTION	BRAZING

BL30



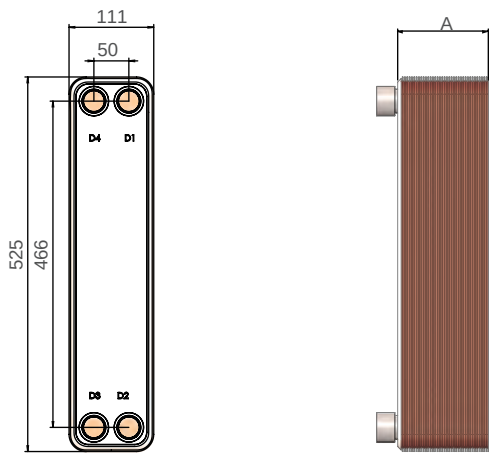
Dimensions in mm

A measure (mm): $12 + 2.31 \times N$
Max pressure (bar): 30 / 45
Max flowrate (m³/h): 14.2
Volume per channel (L): 0.069
Port Size (mm): 32
Plate Combination Options: D

FLOW DIRECTION

BRAZING

BL50 (C,D)



Dimensions in mm

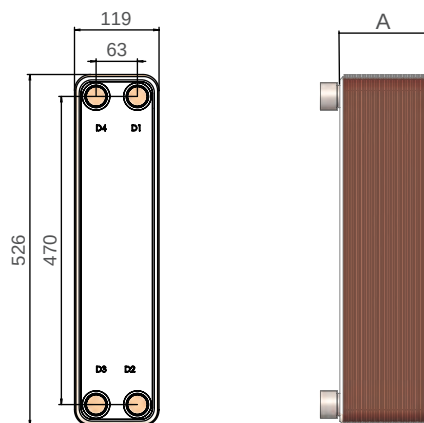
A measure (mm): $9.5 + 2.31 \times N$
Max pressure (bar): 30 / 45
Max flowrate (m³/h): 14
Volume per channel (L): 0.097
Port Size (mm): 32
Plate Combination Options: D

FLOW DIRECTION

BRAZING

DISTRIBUTOR

BL60



Dimensions in mm

A measure (mm): $9.4 + 2.31 \times N$
 Max pressure (bar): 30 / 45
 Max flowrate (m³/h): 14
 Volume per channel (L): 0.11
 Port Size (mm): 32
 Plate Combination Options: D



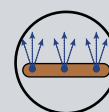
FLOW DIRECTION



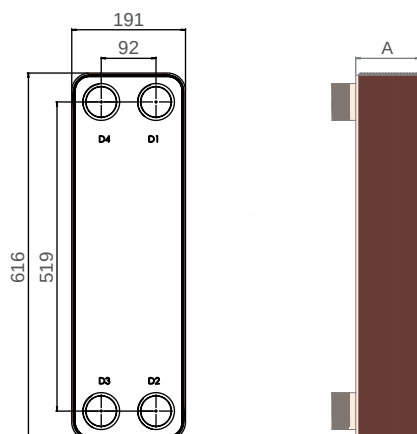
BRAZING



DISTRIBUTOR



BL95 (A, B,C)



Dimensions in mm

A measure (mm): BL95A= $10.2 + 2.31 \times N$; BL95B= $11 + 2.81 \times N$;
 BL95C= $11 + 2.81 \times N$
 Max pressure (bar): 30 / 45
 Max flowrate (m³/h): 34 / 60
 Volume per channel (L): 0.2 / 0.25
 Port Size (mm): 50 / 65
 Plate Combination Options: D,H,X



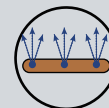
FLOW DIRECTION



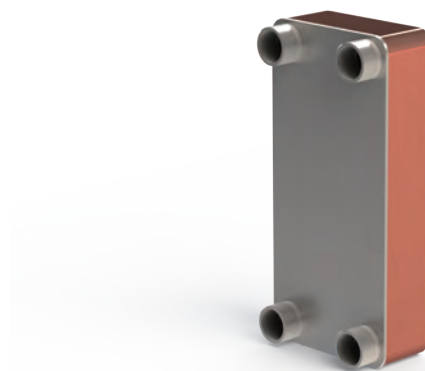
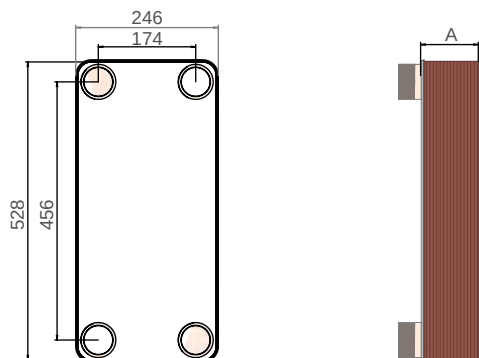
BRAZING



DISTRIBUTOR



BL120



Dimensions in mm

A measure (mm): $12.4 + 2.31 \times N$
 Max pressure (bar): 30 / 45
 Max flowrate (m³/h): 34
 Volume per channel (L): 0.24
 Port Size (mm): 50
 Plate Combination Options: D

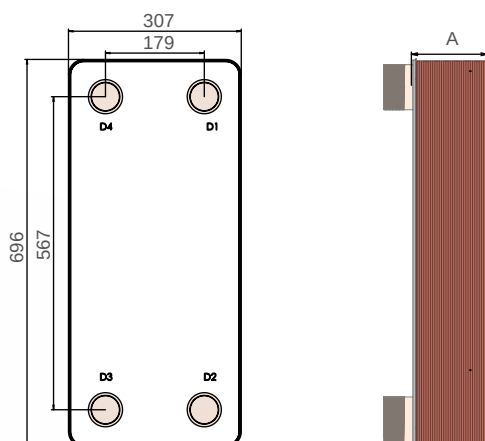
FLOW DIRECTION



BRAZING



BL190



Dimensions in mm

A measure (mm): $9 + 2.81 \times N$
 Max pressure (bar): 30 / 45
 Max flowrate (m³/h): 90
 Volume per channel (L): 0.49
 Port Size (mm): 80
 Plate Combination Options: D,H,X

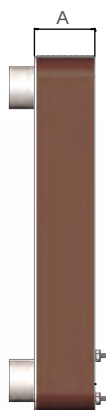
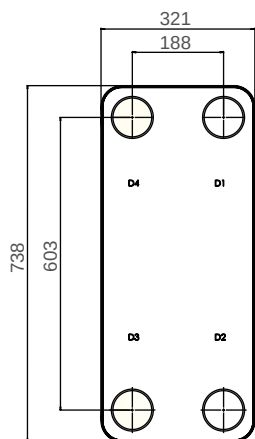
FLOW DIRECTION



BRAZING



BL200



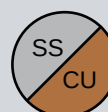
Dimensions in mm

A measure (mm): $12 + 2.75 \times N$
 Max pressure (bar): 30 / 45
 Max flowrate (m³/h): 140
 Volume per channel (L): 0.54
 Port Size (mm): 100
 Plate Combination Options: D,X,H

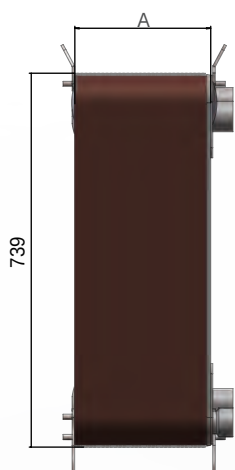
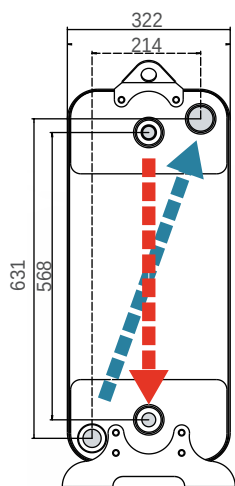
FLOW DIRECTION



BRAZING



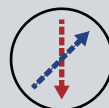
BL210E



Dimensions in mm

A measure (mm): $8.6 + 2.61 \times N$
 Max pressure (bar): 30 / 45
 Max flowrate (m³/h): 90
 Volume per channel (L): 0.5
 Port Size (mm): 80
 Plate Combination Options: D

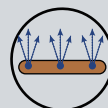
FLOW DIRECTION



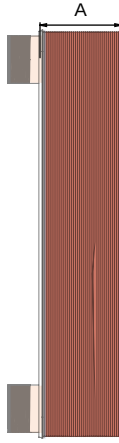
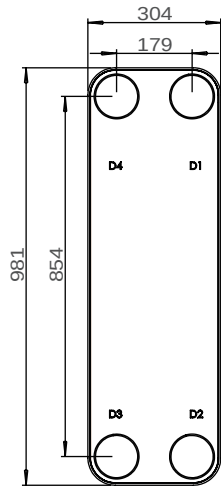
BRAZING



DISTRIBUTOR



BL350



Dimensions in mm

A measure (mm): $11.5 + 2.31 \times N$
 Max pressure (bar): 30
 Max flowrate (m³/h): 140
 Volume per channel (L): 0.55
 Port Size (mm): 100
 Plate Combination Options: D,X,H

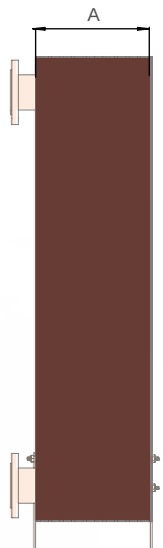
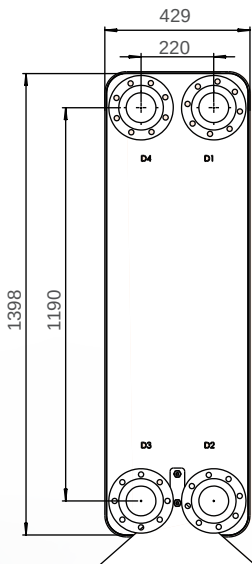
FLOW DIRECTION



BRAZING



BL600



Dimensions in mm

A measure (mm): $16.3 + 2.8 \times N$
 Max pressure (bar): 15 / 21
 Max flowrate (m³/h): 220
 Volume per channel (L): 1.4
 Port Size (mm): 125
 Plate Combination Options: D,X,H

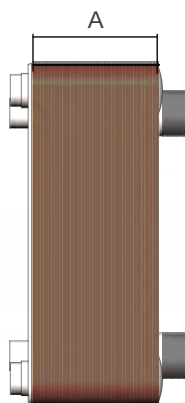
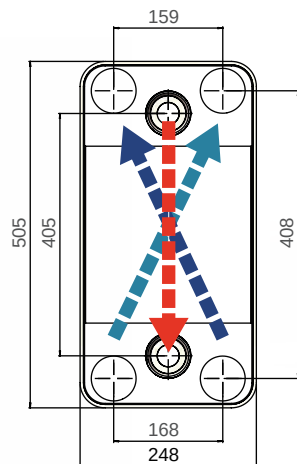
FLOW DIRECTION



BRAZING



BL100



Dimensions in mm

A measure (mm): $10 + 2.09$
 Max pressure (bar): 30 / 45
 Max flowrate (m³/h): 34
 Volume per channel (L): 0.2
 Port Size (mm): 50
 Plate Combination Options: D

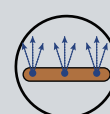
FLOW DIRECTION



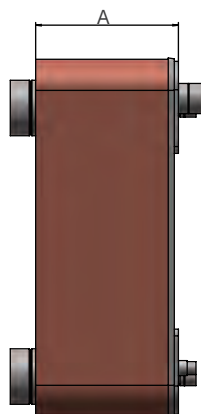
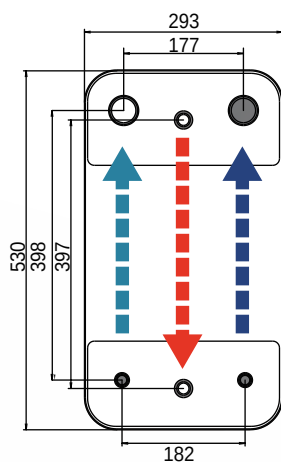
BRAZING



DISTRIBUTOR



BL130



Dimensions in mm

A measure (mm): $12.3 + 2.05 \times N$
 Max pressure (bar): 30 / 45
 Max flowrate (m³/h): 60
 Volume per channel (L): 0.27 / 0.24
 Port Size (mm): 65
 Plate Combination Options: D

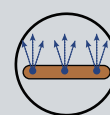
FLOW DIRECTION



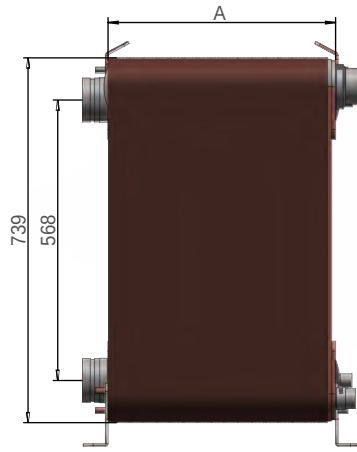
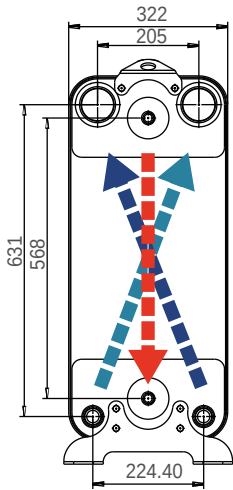
BRAZING



DISTRIBUTOR



BL210



Dimensions in mm

A measure (mm): $8 + 2.61 \times N$
 Max pressure (bar): 30 / 45
 Max flowrate (m³/h): 90
 Volume per channel (L): 0.5
 Port Size (mm): 80
 Plate Combination Options: D

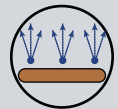
FLOW DIRECTION



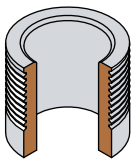
BRAZING



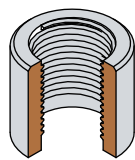
DISTRIBUTOR



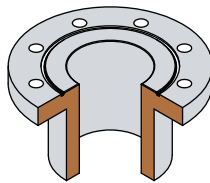
Connections Available:



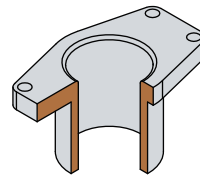
Male thread



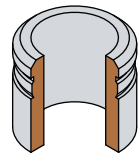
Female thread



Flange

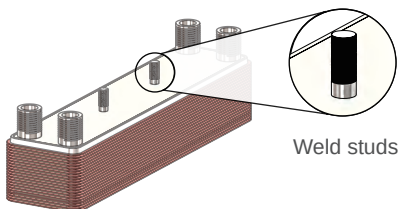


SAE flange

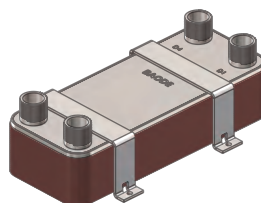


Solder

Mounting Accessories:



Weld studs



Mounting bracket

Lifting Lug



Support stand feet