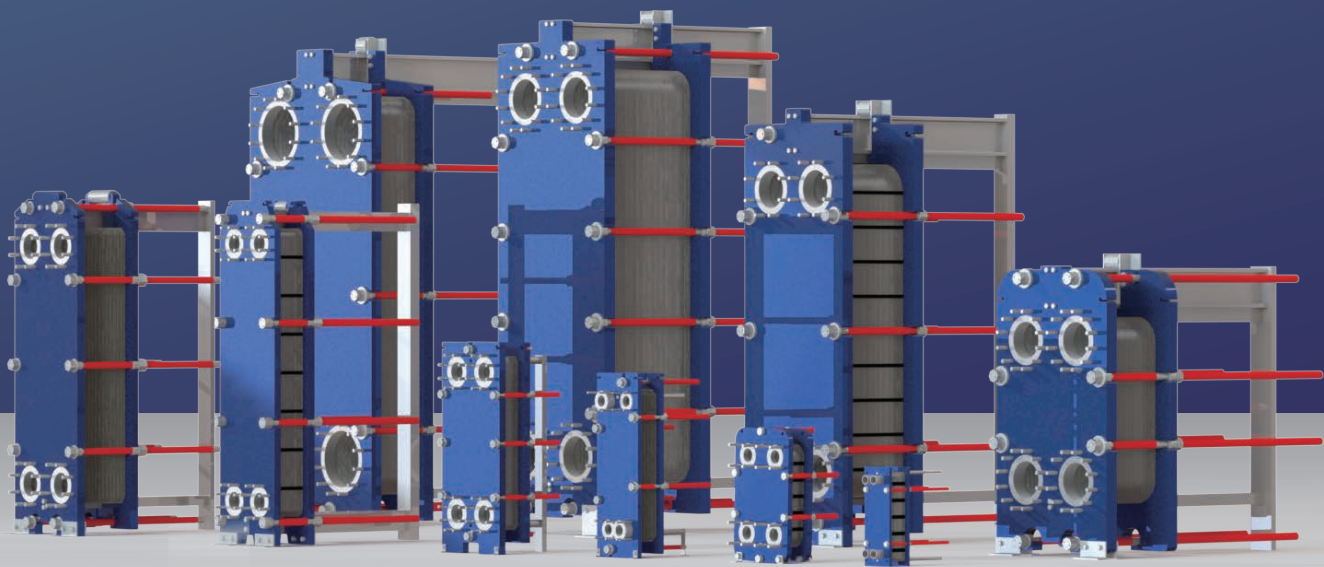


GASKET PHE



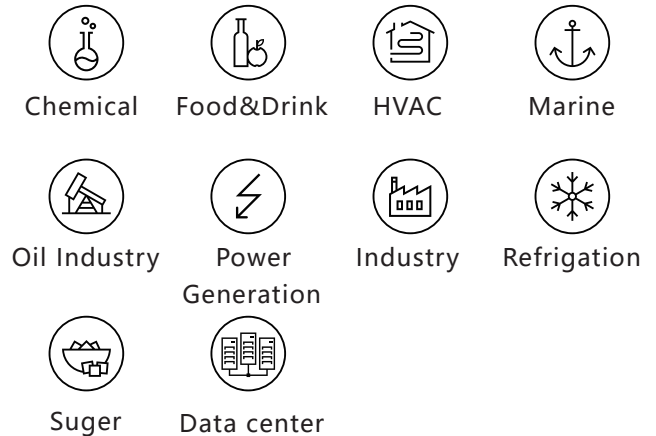
Introduction:

A Gasketed Plate Heat Exchanger (PHE) is a compact and highly efficient heat transfer device consisting of multiple thin, corrugated plates that are assembled within a frame. Gaskets between the plates create sealed flow channels, enabling effective heat exchange between two fluids while preventing mixing. It is widely used in industries such as HVAC, food processing, chemical processing, and power generation.

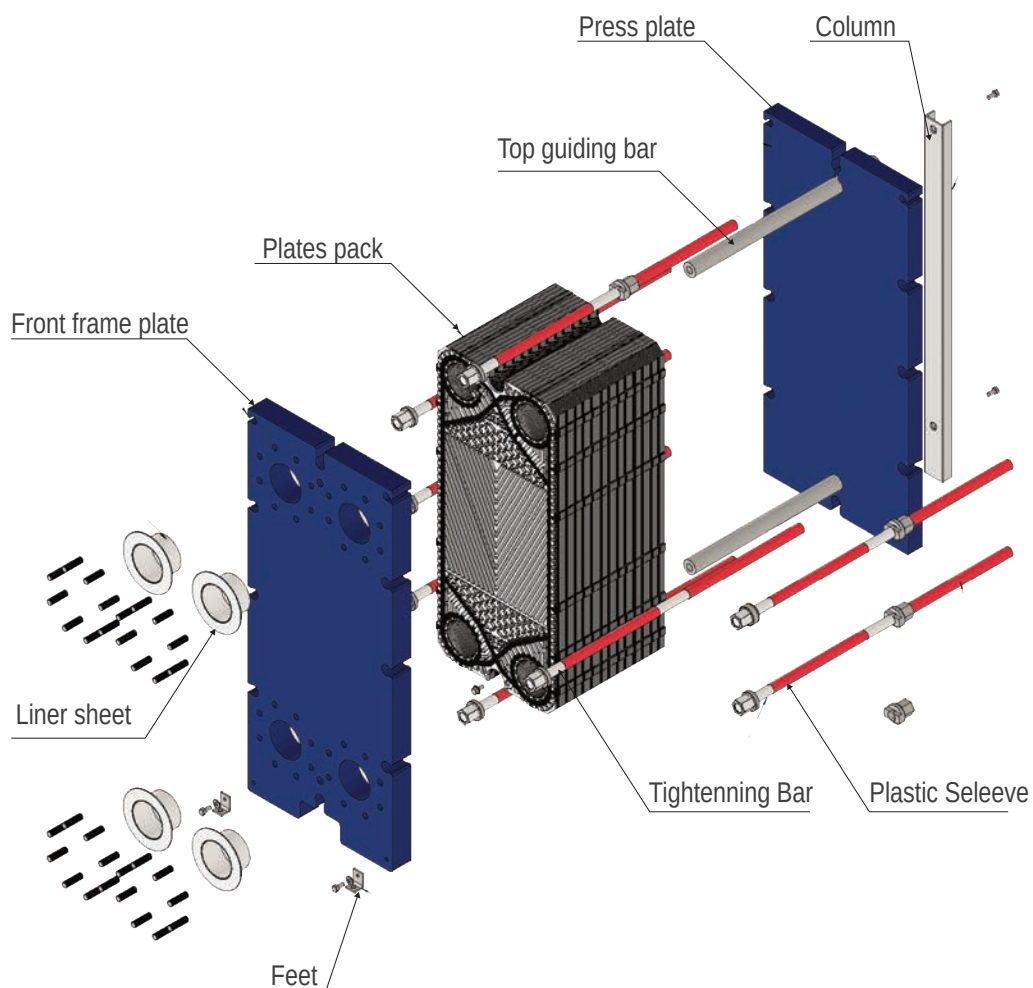
Advantages:

- High Efficiency:
- Compact Design:
- Flexibility and Scalability:
- Easy Maintenance:
- Customizable Design:
- Energy Efficiency:

Applications:



Gasket plate heat exchanger construction



Model Code Explanation:

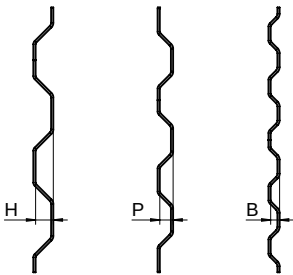
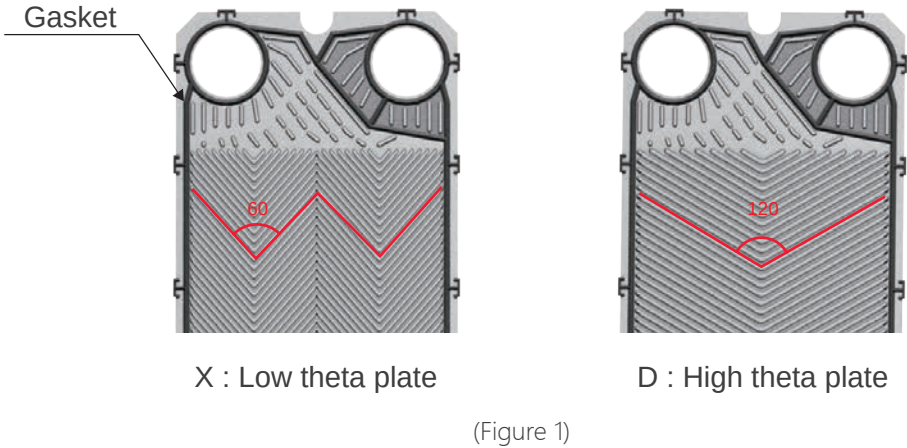
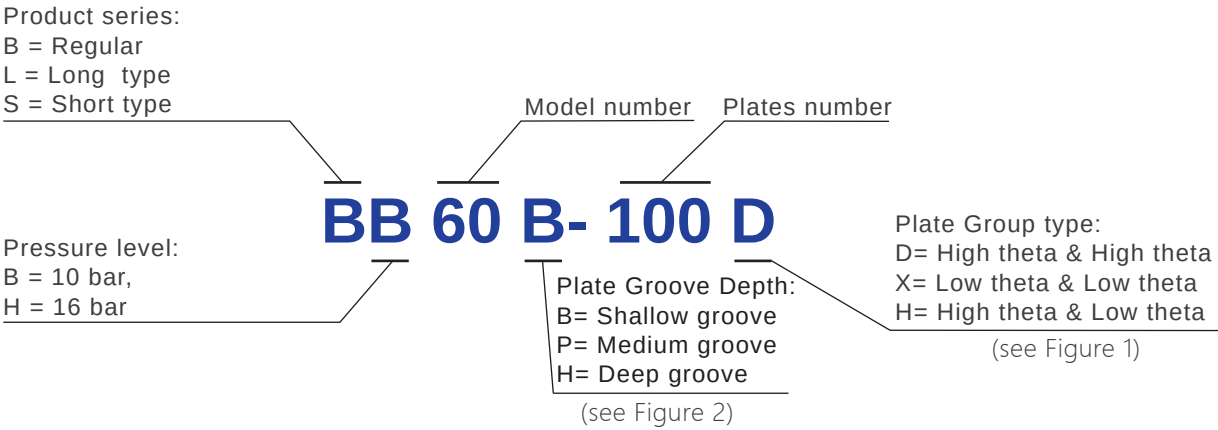
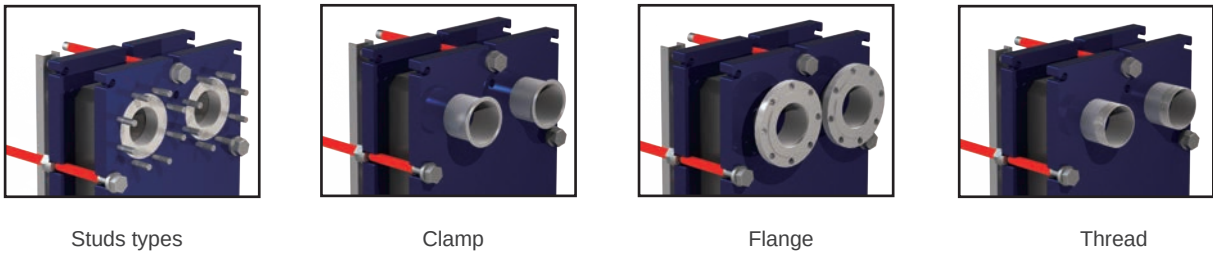


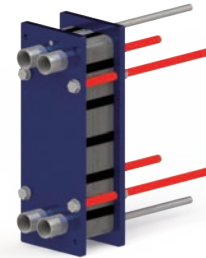
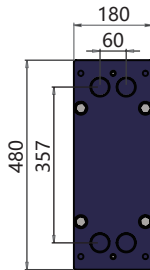
Plate Groove Depth

(Figure 2)

Connections Available



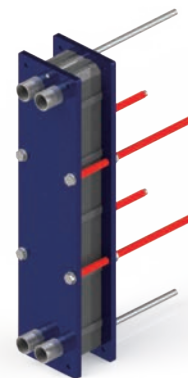
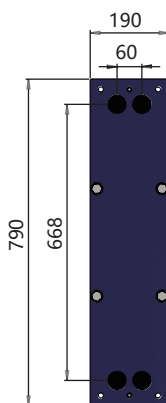
BB30B/ BH30B



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 14
Free channel (mm): 2.5
Plate Area (m²): 0.032
Volume per channel (L): 0.09
Port Size (mm): 1.25"

Plate thickness (mm): 0.5 / 0.6
Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

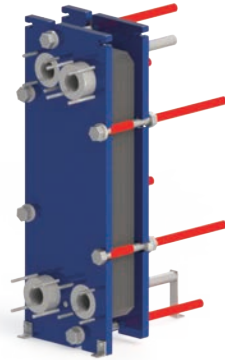
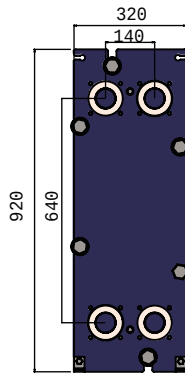
LB30B/ LH30B



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 18
Free channel (mm): 1.8
Plate Area (m²): 0.075
Port Size (mm): 1.25"

Plate thickness (mm): 0.5 / 0.6
Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

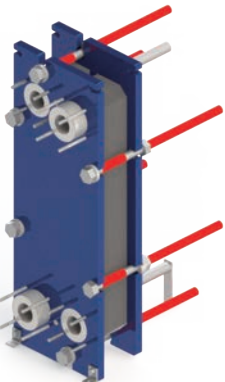
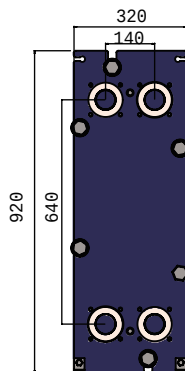
BB60B/ BH60B



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 54
Free channel (mm): 2
Plate Area (m²): 0.15
Volume per channel (L): 0.3
Port Size (mm): DN50
Plate weight (kgs): 0.74

Plate thickness (mm): 0.5 / 0.6
Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

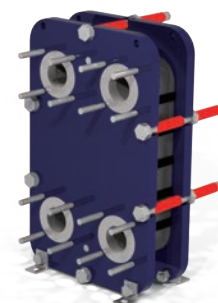
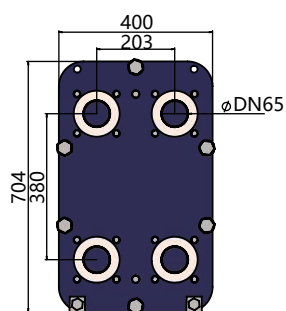
BB60H/ BH60H



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 54
Free channel (mm): 3
Plate Area (m²): 0.15
Volume per channel (L): 0.43
Port Size (mm): DN50
Plate weight (kgs): 0.74

Plate thickness (mm): 0.5 / 0.6
Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

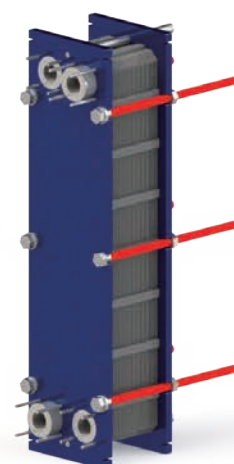
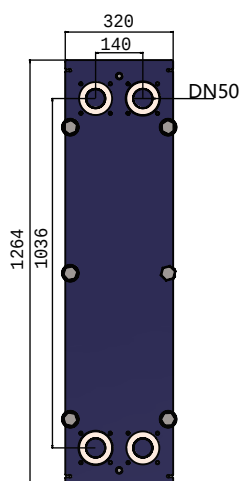
SB60H/ SH60H



Max pressure (bar): 10 / 16
 Max flowrate (m³/h): 72
 Free channel (mm): 3.95
 Plate Area (m²): 0.086
 Volume per channel (L): 0.46
 Port Size (mm): DN65
 Plate weight (kgs): 0.73

Plate thickness (mm): 0.5 / 0.6
 Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
 Gasket material: NBR, EPDM, VITON (FKM)
 Gasket type: Clip-on
 Flow: Parallel

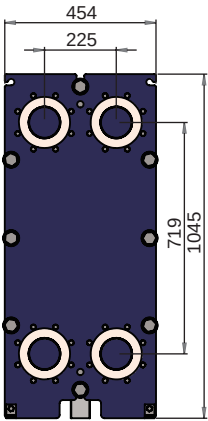
LB60B/ LH60B



Max pressure (bar): 10 / 16
 Max flowrate (m³/h): 72
 Free channel (mm): 2
 Plate Area (m²): 0.255
 Volume per channel (L): 0.42
 Port Size (mm): DN65
 Plate weight (kgs): 1.14

Plate thickness (mm): 0.5 / 0.6
 Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
 Gasket material: NBR, EPDM, VITON (FKM)
 Gasket type: Clip-on
 Flow: Parallel

BB100B/ BH100B



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 180
Free channel (mm): 2.5
Plate Area (m²): 0.24
Volume per channel (L): 0.66
Port Size (mm): DN100
Plate weight (kgs): 1.25

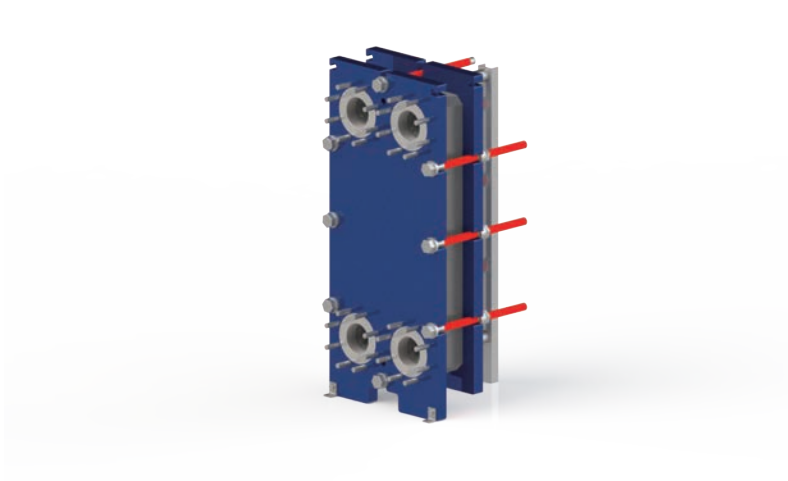
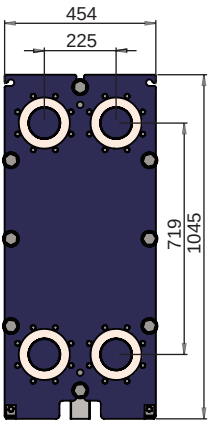


Plate thinckness (mm): 0.5 / 0.6
Plate material: SS304, 316L,904L,Ti,276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

BB100H/ BH100H



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 180
Free channel (mm): 3.95
Plate Area (m²): 0.24
Volume per channel (L): 1.0
Port Size (mm): DN100
Plate weight (kgs): 1.25

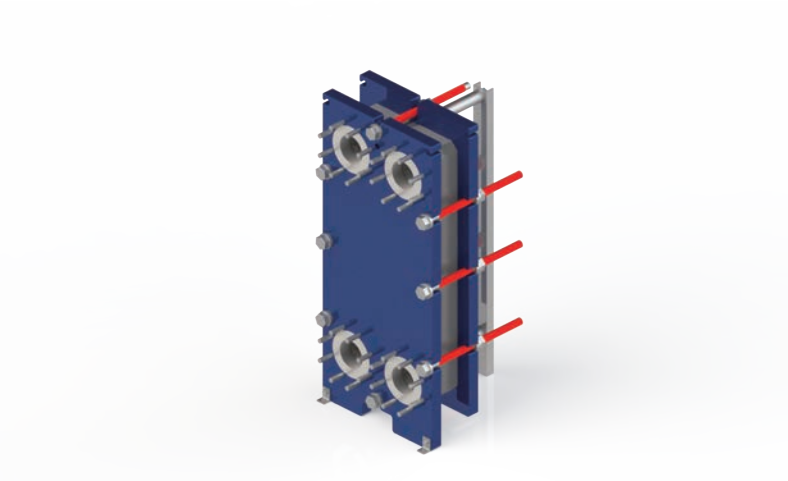
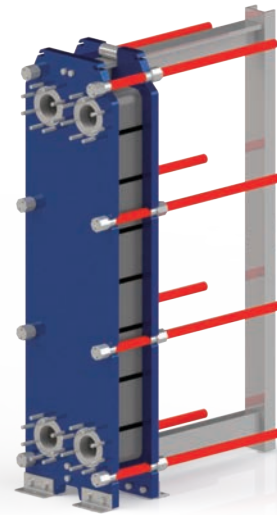
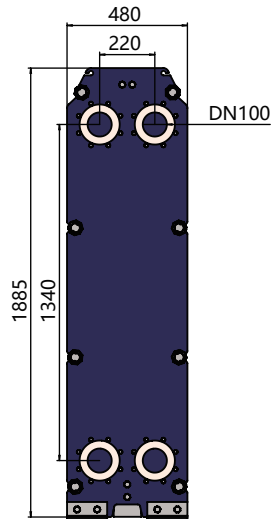


Plate thinckness (mm): 0.5 / 0.6
Plate material: SS304, 316L,904L,Ti,276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

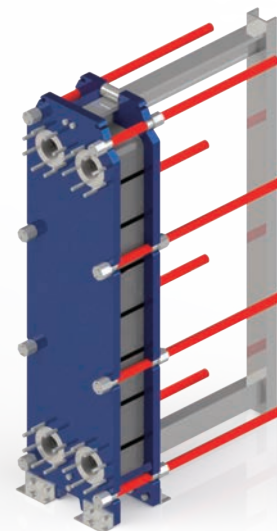
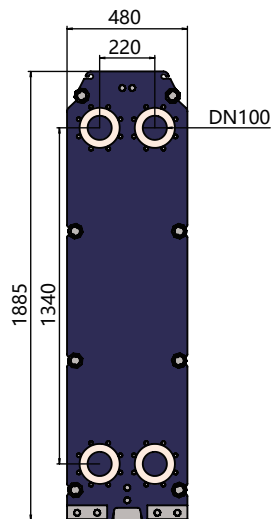
LB100B/ LH100B



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 180
Free channel (mm): 2
Plate Area (m²): 0.5
Volume per channel (L): 0.9
Port Size (mm): DN200
Plate weight (kgs): 2.23

Plate thickness (mm): 0.5 / 0.6
Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

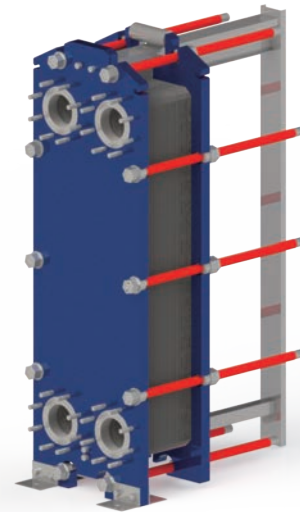
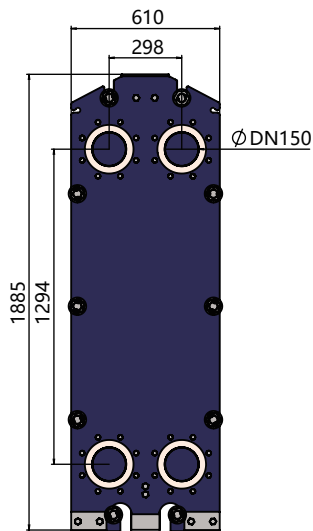
LB100P/ LH100P



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 180
Free channel (mm): 3
Plate Area (m²): 0.5
Volume per channel (L): 0.6
Port Size (mm): DN100
Plate weight (kgs): 2.23

Plate thickness (mm): 0.5 / 0.6
Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

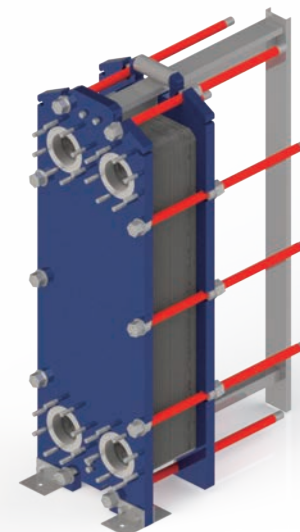
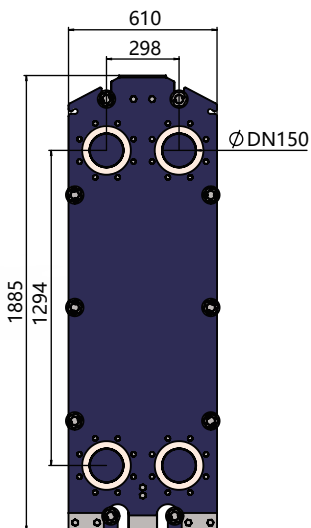
BB150B/ BH150B



Max pressure (bar): 10 / 16
 Max flowrate (m³/h): 290
 Free channel (mm): 2.5
 Plate Area (m²): 0.65
 Volume per channel (L): 1.55
 Port Size (mm): DN150
 Plate weight (kgs): 2.95

Plate thickness (mm): 0.5 / 0.6
 Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
 Gasket material: NBR, EPDM, VITON (FKM)
 Gasket type: Clip-on
 Flow: Parallel

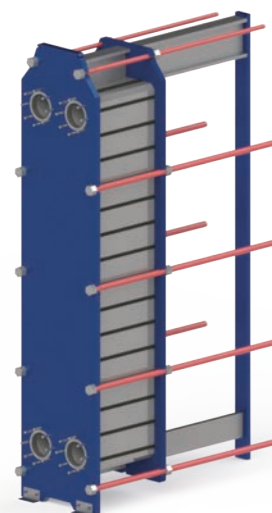
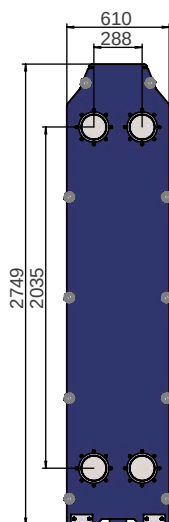
BB150H/ BH150H



Max pressure (bar): 10 / 16
 Max flowrate (m³/h): 290
 Free channel (mm): 3.95
 Plate Area (m²): 0.65
 Volume per channel (L): 2.5
 Port Size (mm): DN150
 Plate weight (kgs): 2.95

Plate thickness (mm): 0.5 / 0.6
 Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
 Gasket material: NBR, EPDM, VITON (FKM)
 Gasket type: Clip-on
 Flow: Parallel

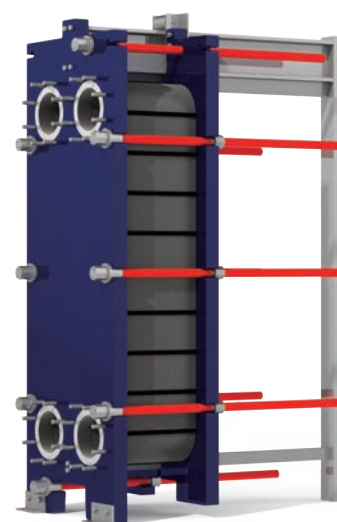
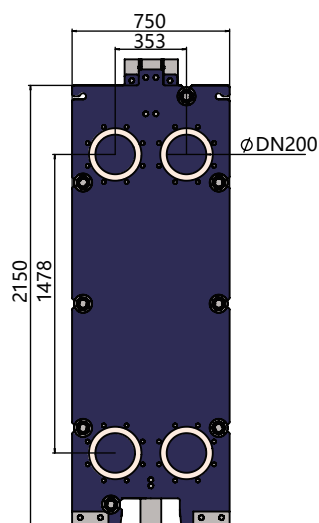
LB150B/ LH150B



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 432
Free channel (mm): 1.9
Plate Area (m²): 1.1
Port Size (mm): DN150
Plate weight (kgs): 4.2

Plate thickness (mm): 0.5 / 0.6
Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

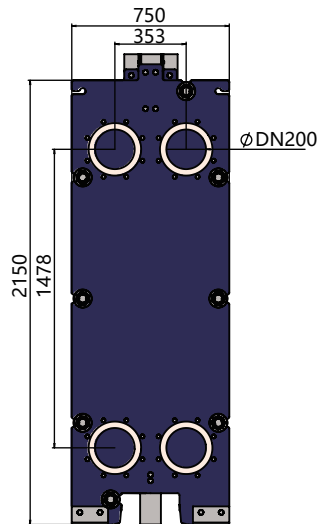
BB200B/ BH200B



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 720
Free channel (mm): 2
Plate Area (m²): 0.9
Volume per channel (L): 2
Port Size (mm): DN200
Plate weight (kgs): 4.33

Plate thickness (mm): 0.5 / 0.6
Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

BB200P/ BH200P



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 720
Free channel (mm): 3
Plate Area (m²): 0.9
Volume per channel (L): 2.75
Port Size (mm): DN200
Plate weight (kgs): 4.33

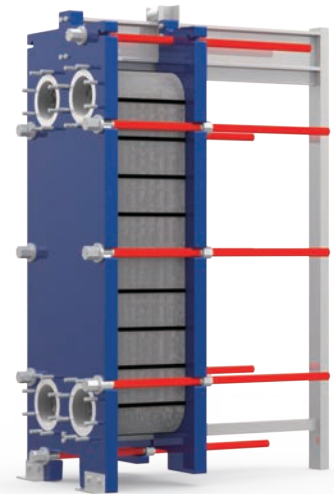
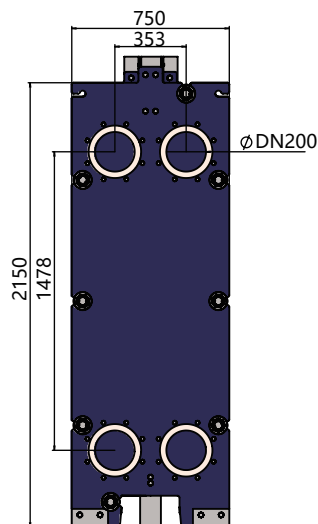


Plate thickness (mm): 0.5 / 0.6
Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

BB200H/ BH200H



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 720
Free channel (mm): 4
Plate Area (m²): 0.9
Volume per channel (L): 3.67
Port Size (mm): DN200
Plate weight (kgs): 4.33

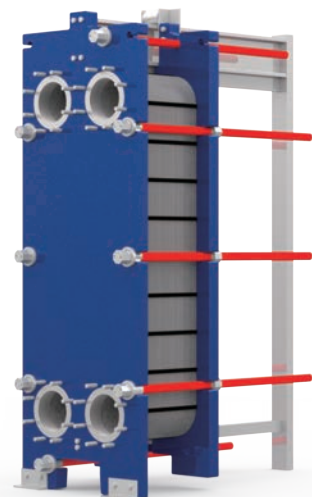
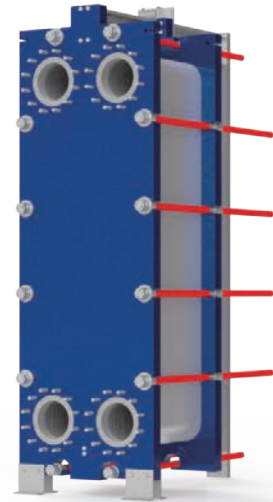
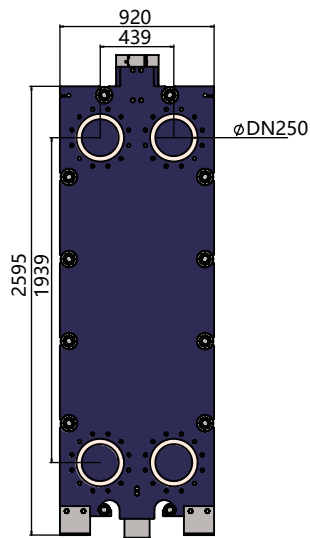


Plate thickness (mm): 0.5 / 0.6
Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

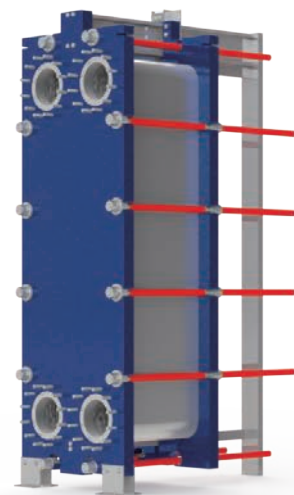
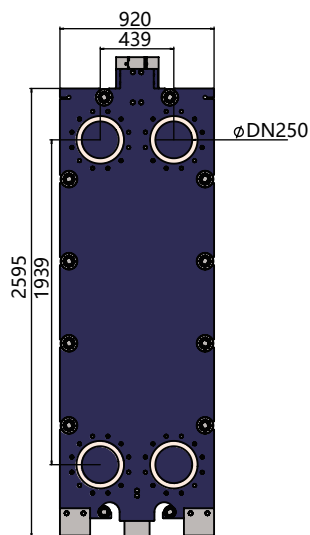
BB250B/ BH250B



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 900
Free channel (mm): 2.5
Plate Area (m²): 1.5
Volume per channel (L): 3.62
Port Size (mm): DN250
Plate weight (kgs): 6.69

Plate thickness (mm): 0.5 / 0.6
Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

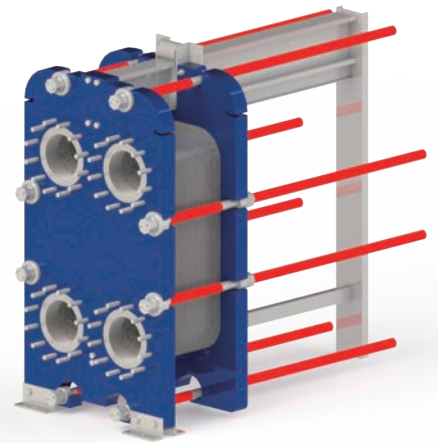
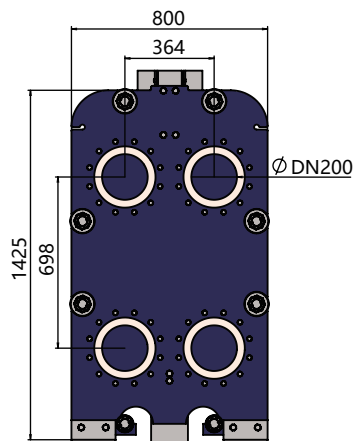
BB250H/ BH250H



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 900
Free channel (mm): 3.95
Plate Area (m²): 1.5
Volume per channel (L): 5.5
Port Size (mm): DN250
Plate weight (kgs): 6.69

Plate thickness (mm): 0.5 / 0.6
Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

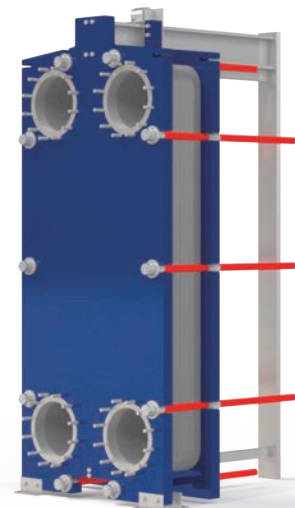
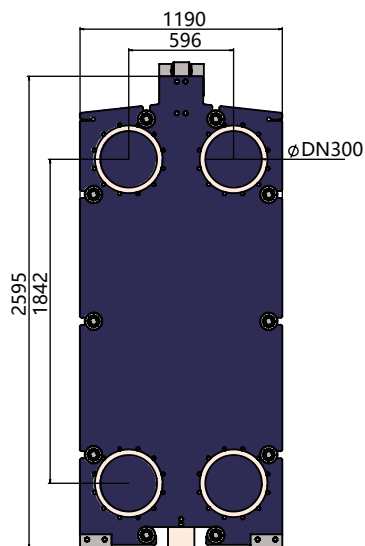
SB200H/ SH200H



Max pressure (bar): 10 / 16
 Max flowrate (m³/h): 690
 Free channel (mm): 4
 Plate Area (m²): 0.3
 Port Size (mm): DN200
 Plate weight (kgs): 2.4

Plate thickness (mm): 0.5 / 0.6
 Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
 Gasket material: NBR, EPDM, VITON (FKM)
 Gasket type: Clip-on
 Flow: Parallel

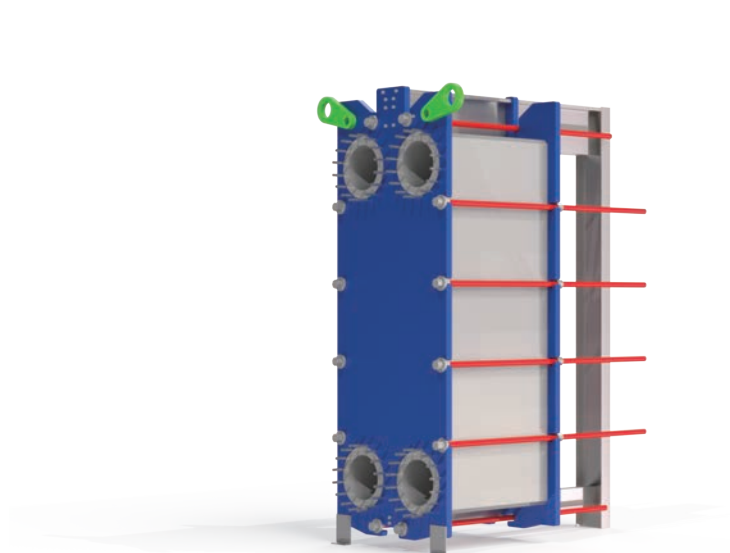
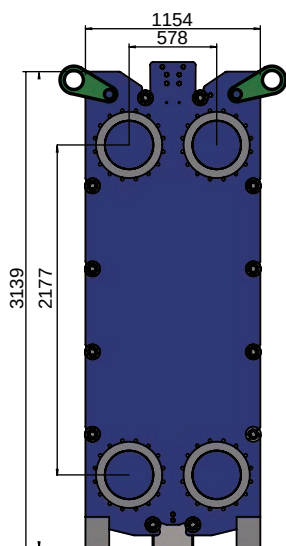
BB300B/ BH300B



Max pressure (bar): 10 / 16
 Max flowrate (m³/h): 1800
 Free channel (mm): 3.4
 Plate Area (m²): 1.85
 Volume per channel (L): 6.3
 Port Size (mm): DN300
 Plate weight (kgs): 8.91

Plate thickness (mm): 0.5 / 0.6
 Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
 Gasket material: NBR, EPDM, VITON (FKM)
 Gasket type: Clip-on
 Flow: Parallel

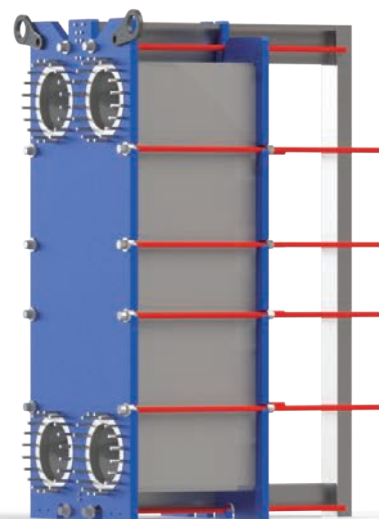
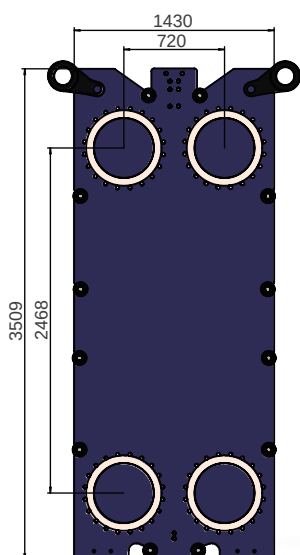
LB350B/ LH350B



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 2340
Free channel (mm): 2.5
Plate Area (m²): 2.2
Port Size (mm): DN350
Plate weight (kgs): 10.4

Plate thickness (mm): 0.5 / 0.6
Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

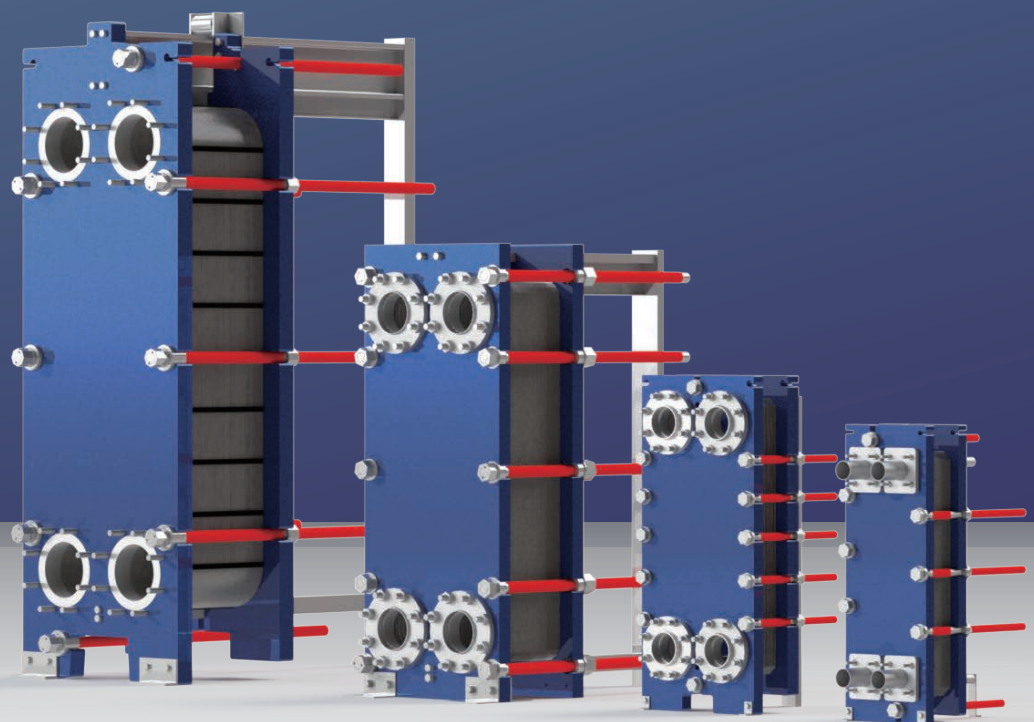
BB450H/ BH450H



Max pressure (bar): 10 / 16
Max flowrate (m³/h): 3491
Free channel (mm): 4
Plate Area (m²): 2.8
Port Size (mm): DN450
Plate weight (kgs): 9.4

Plate thickness (mm): 0.5 / 0.6
Plate material: SS304, 316L, 904L, Ti, 276, SMO, Ni
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

SEMI-WELD PHE



What is Semi-weld plate heat exchanger?

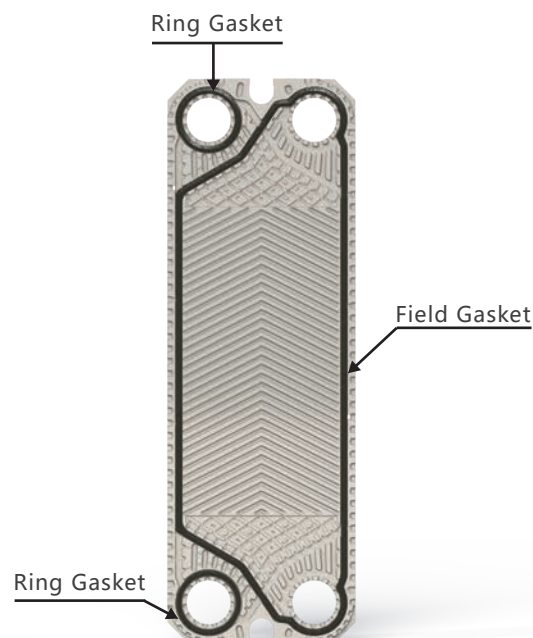
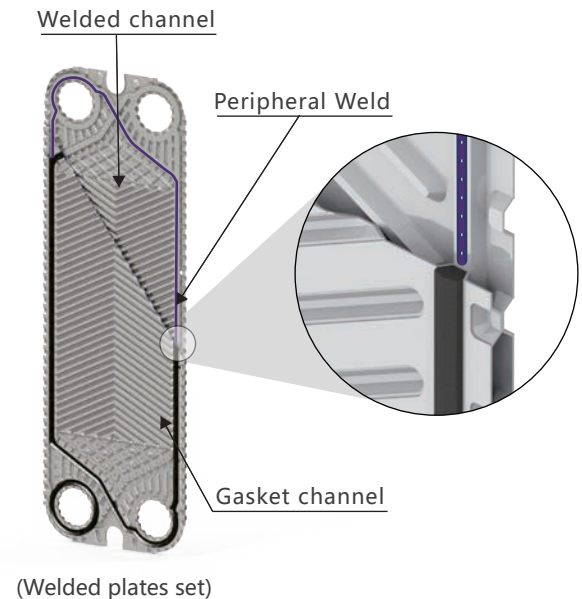
A semi-welded PHE is a specialized type of plate heat exchanger (PHE) that features pairs of welded plates that form sealed channels for one fluid, while the other fluid flows between these welded pairs and is sealed with gaskets.

Why semi-weld?

- Temperature range of -45°C to 150°C
- Withstand Pressures up to 25 bar.
- They are particularly well-suited for ammonia applications.

Key Features

- High COP Efficiency
- Continuous Turbulent Flow
- Low Refrigerant Charge
- Eco-Friendly Design
- Compact & Lightweight
- Durable & Freeze-Resistant fatigue resistant
- Cost-Effective & compact size & high efficiency



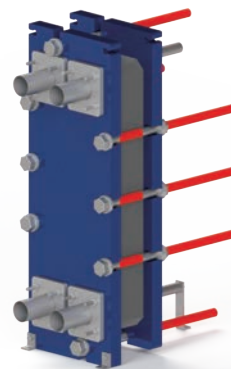
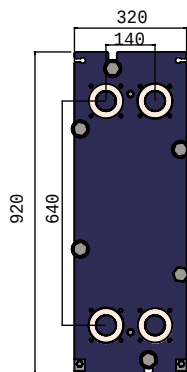
Gasket Material:

- NBR, EPDM, VITON on Gasket side
- CR (Chloroprene Rubber) on Weld side

Plate Material:

- 304, 316L stainless
- Ti

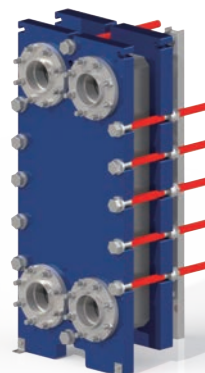
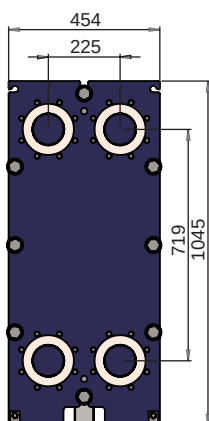
BH60HW



Max pressure (bar): Gasket side 16 / Weld side 25
Max flowrate (m³/h): 54
Free channel (mm): 3
Plate Area (m²): 0.15
Port Size (mm): DN50
Refrigeration duties: 10-70 RT/35-250 kW

Plate thickness (mm): 0.6/0.7
Plate material: SS304, 316L, Ti
Field Gasket material: NBR, EPDM, VITON (FKM)
Ring Gasket: CR/ EPDM
Gasket type: Clip-on
Flow: Parallel

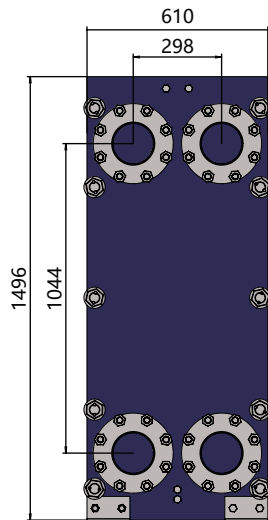
BH100BW



Max pressure (bar): Gasket side 16 / Weld side 25
Max flowrate (m³/h): 180
Free channel (mm): 2.5
Plate Area (m²): 0.24
Port Size (mm): DN100
Refrigeration duties: 50-250 RT/175-875 kW

Plate thickness (mm): 0.6 / 0.7
Plate material: SS304, 316, Ti
Field Gasket material: NBR, EPDM, VITON (FKM)
Ring Gasket: CR/ EPDM
Gasket type: Clip-on
Flow: Parallel

BH150BW



Max pressure (bar): Gasket side 16 / Weld side 25
 Max flowrate (m³/h): 290
 Free channel (mm): 2.5
 Plate Area (m²): 0.47
 Port Size (mm): DN150
 Refrigeration: 100-450 RT/350-1575 kW

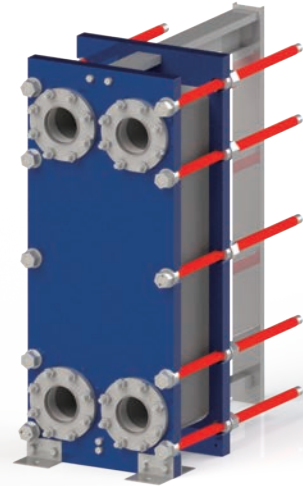
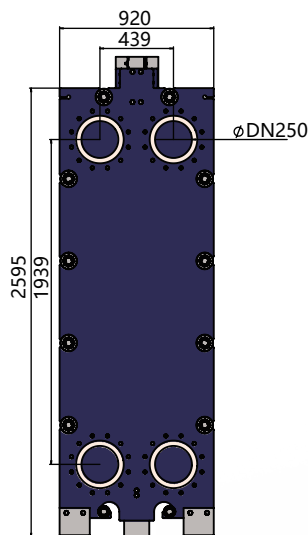


Plate thickness (mm): 0.6/0.7
 Plate material: SS304, 316L, Ti
 Field Gasket material: NBR, EPDM, VITON (FKM)
 Ring Gasket: CR, EPDM
 Gasket type: Clip-on
 Flow: Parallel

BH200HW



Max pressure (bar): Gasket side 16 / Weld side 25
 Max flowrate (m³/h): 2430
 Free channel (mm): 4.1
 Plate Area (m²): 0.83
 Port Size (mm): DN200

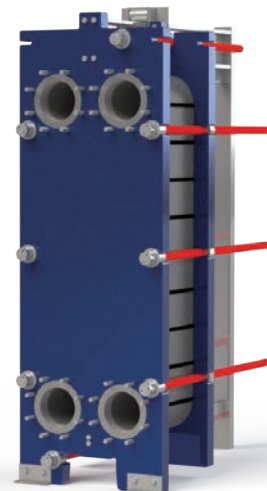
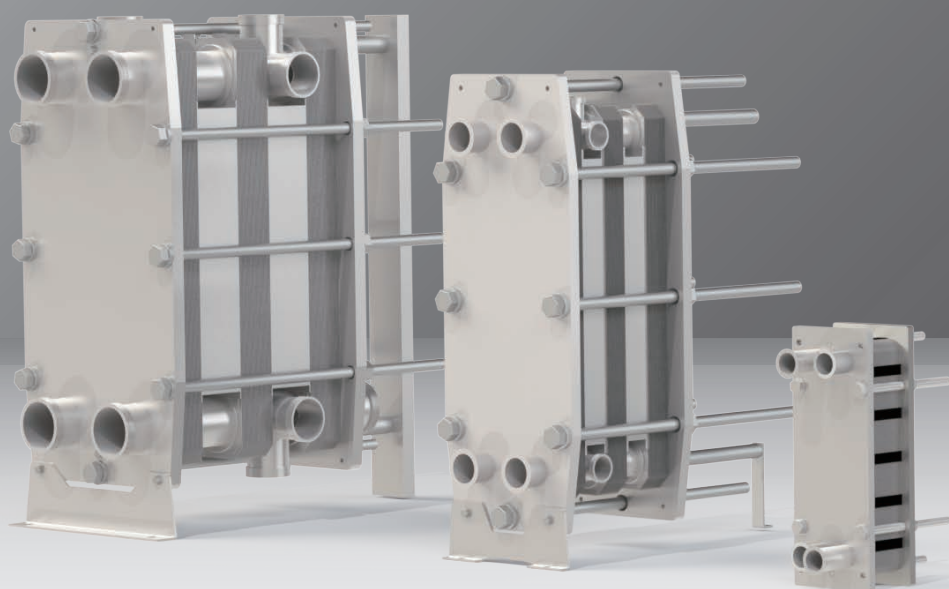


Plate thickness (mm): 0.6/0.7
 Plate material: SS304, 316L, Ti
 Field Gasket material: NBR, EPDM, VITON (FKM)
 Ring Gasket: CR, EPDM
 Gasket type: Clip-on
 Flow: Parallel

FOOD GRADE PHE



What is a Food-Grade PHE ?

Food-grade PHE is designed for use in food and beverage processing industries.while ensuring hygiene and compliance with food safety standards.

Why Food- Grade PHE?

Hygienic Design:

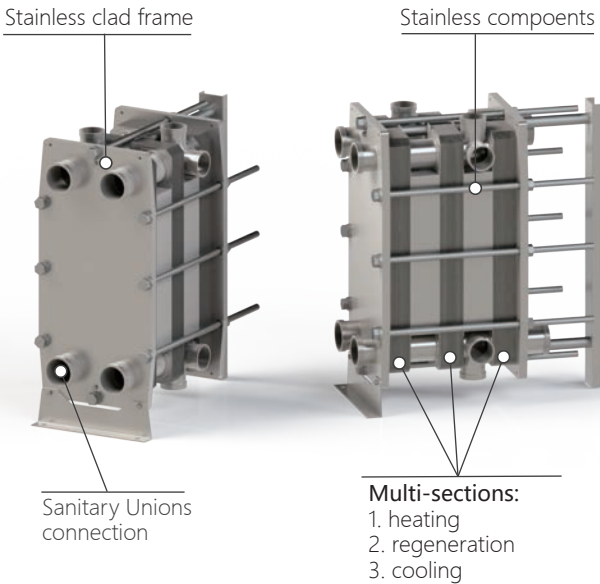
- Made from stainless to prevent contamination.
- Smooth, crevice-free surfaces to minimize bacterial growth.
- Designed for easy cleaning to maintain hygiene.

Food Safety Standards

- Meets FDA Standards. Food-safe gaskets that do not leach chemicals into the product.

Efficient Heat Transfer

- Provides fast heating & cooling for pasteurization, sterilization, and fermentation processes. Minimizes energy consumption while ensuring precise temperature control.



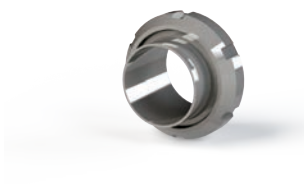
Applications:

- Dairy industry (milk pasteurization, yogurt production)
- Beverage processing (juice, beer, soft drinks)
- Food processing (sauces, soups, edible oils)
- Pharmaceutical industry (sterile processing)

Sanitary Unions connection

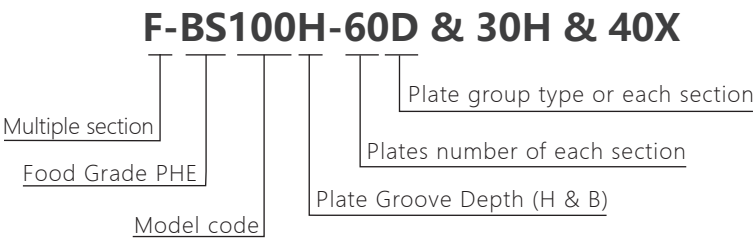


TC (Tri-Clamp) Union



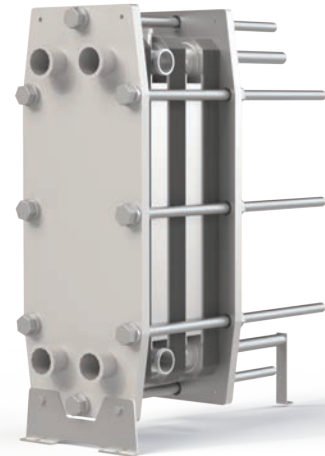
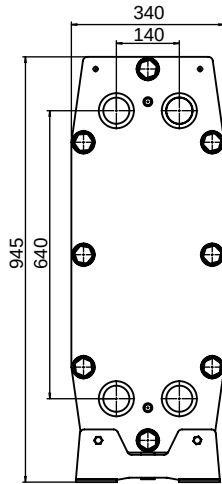
SMS (Swedish Metric Standard) Unions

*Other connection types can be customized according to customer requirements.



*Food grade PHE name code explanation

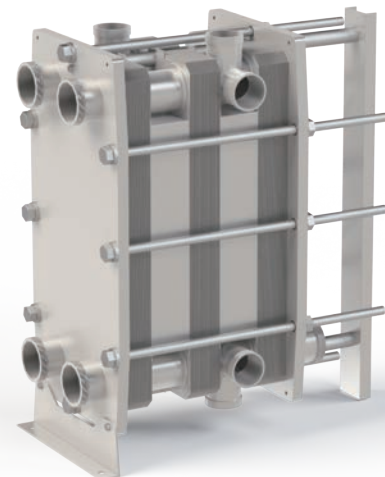
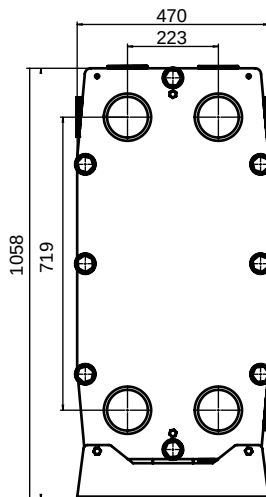
BS60H / F-BS60H



Max pressure (bar): 10
Max flowrate (m³/h): 54
Free channel (mm): 3
Plate Area (m²): 0.15
Port Size (mm): DN50

Plate thickness (mm): 0.5/0.6
Plate material: SS304, 316L
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel

BS100H / F-BS100H



Max pressure (bar): 10
Max flowrate (m³/h): 180
Free channel (mm): 3.95
Plate Area (m²): 0.24
Port Size (mm): DN100

Plate thickness (mm): 0.5/0.6
Plate material: SS304, 316L
Gasket material: NBR, EPDM, VITON (FKM)
Gasket type: Clip-on
Flow: Parallel