



## BAODE F-BL SERIES BPHE

### Brazed plate heat exchanger for extreme high-pressure

#### Introduction

BAODE F-BL SERIES BPHE is specifically designed to work in air conditioning and other refrigeration applications, where the pressure requirements are extremely high.

#### Applications

Because of their high-pressure performance, they are particularly well-suited to CO<sub>2</sub> applications, such as transcritical gas cooling.

#### Benefits

- Tolerates extremely high operating pressures
- Compact
- Easy to install
- Self-cleaning
- Low level of service and maintenance is required
- All units are pressure and leak tested
- Gasket free

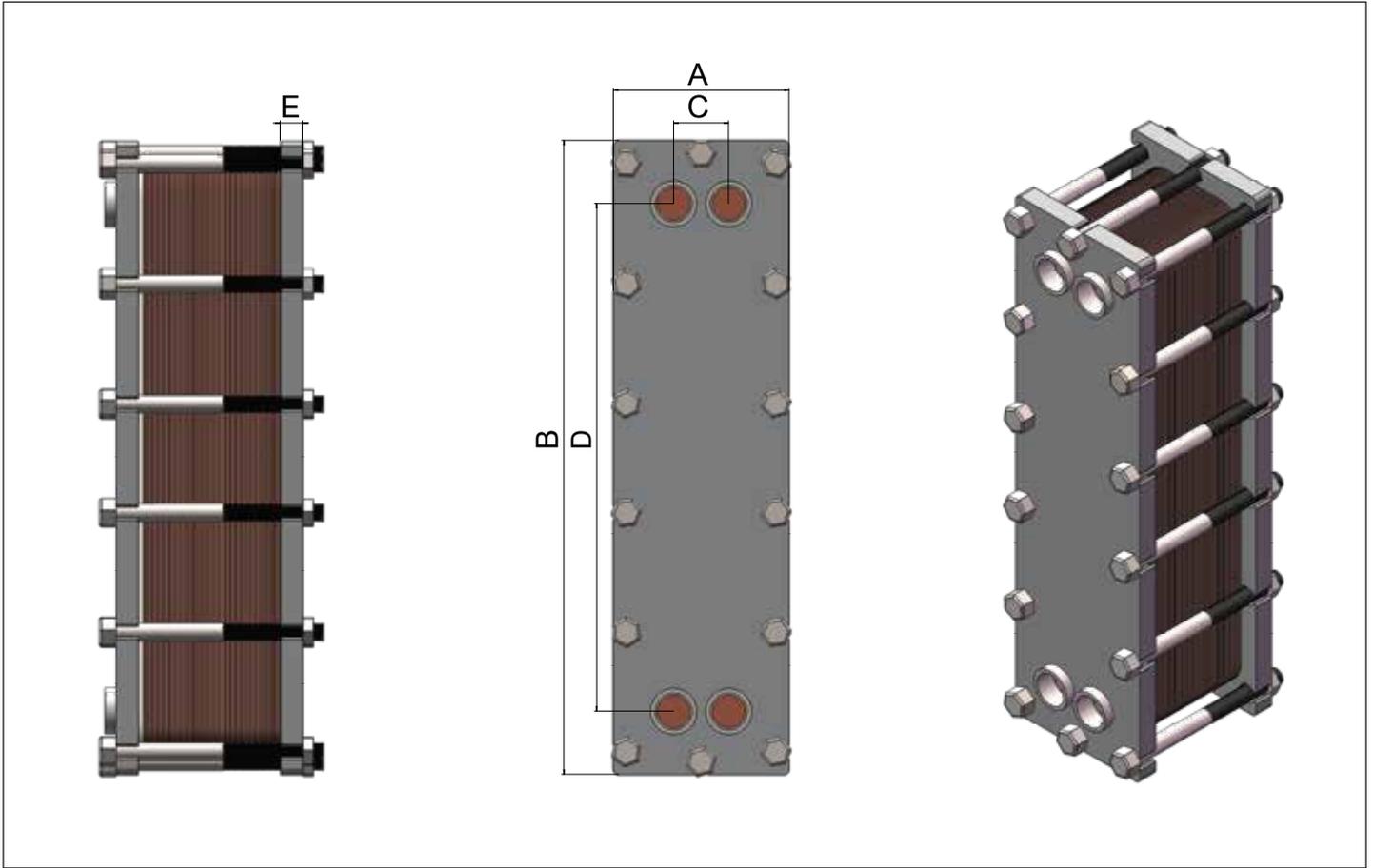
#### Design

The brazing material seals and holds the plates together at the contact points ensuring optimal heat transfer efficiency and pressure resistance. Using advanced design technologies and extensive verification guarantees the highest performance and longest possible service life.

F-BL SERIES BPHE are brazed plate heat exchangers with thin external frames in carbon steel that are able to withstand extremely high operating pressures.

The unit can be supplied with a refrigerant distribution system  
.Always delivered with lifting lugs for easy handling.

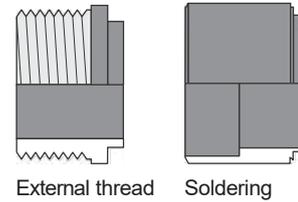




### Technical Data

Standard materials	
Cover Plates	Stainless
Connections	Stainless
Plates	Stainless
Brazing material	Copper 99.99%
External Frame	Carbon steel, Zinc electroplated

### Examples of connections



Dimensions (mm)	F-BL26	F-BL50C	F-BL50D	F-BL95A	F-BL95B
A	16	160	160	252	252
B	363	578	578	685	685
C	50250	50	50	92	92
D	13+(2.4*n)	466	466	519	519
E	21+(0.13*n)	14+(2.37*n)	14+(2.37*n)	23+(2.07*n)	23+(2.07*n)
Distributor	No	No	Yes	Yes	No
Volume per channel, L (gal)	0.05 (0.0132)	0.095(0.0251)	0.095(0.0251)	0.18(0.0476)	0.18(0.0476)
Max particle size, mm (inch)	1.2 (0.047)	1.2 (0.047)	1.2 (0.047)	1 (0.039)	1 (0.039)
Max flow rate, m3/h (gpm)	14 (61.6)	14 (61.6)	14 (61.6)	51 (224.5)	51 (224.5)
Flow direction	Parallel	Parallel	Parallel	Parallel	Parallel
Min. number of plates	6	6	6	10	10
Max. number of plate	150	150	150	200	200