

Alfa Laval CB410

Brazed plate heat exchanger

Introduction

Alfa Laval CB brazed plate heat exchangers provide efficient heat transfer with a small footprint.

Applications

- HVAC heating and cooling
- Oil cooling
- Industrial heating and cooling

Benefits

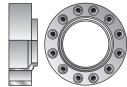
- Compact
- Easy to install
- Self-cleaning
- Low level of service and maintenance is required
- All units are pressure and leak tested
- Gasket free

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.

Based on standard components and a modular concept, each unit is custom-built to meet the specific requirements of each individual installation.

Examples of connections



Compact flange



Welding

Clamp



Technical data

Standard materials		
Cover plates	Stainless steel	
Connections	Stainless steel	
Plates	Stainless steel	
Brazing filler	Copper	

Dimensions and weight

Dimensions and weight ¹

2 monorono dana mongine	
A measure (mm)	14.2 + (2.17 * n)
A measure (inches)	0.56 + (0.09 * n)
Weight (kg) ²	30 + (1.14 * n)
Weight (lb) ²	66.14 + (2.51 * n)

¹ n = number of plates

² Excluding connections

Standard data

0.69 (0.1823)
1 (0.039)
285 (1254.8)
Parallel
10
300

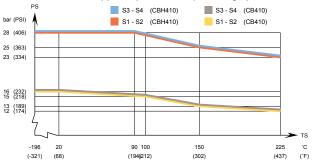
¹ Water at 5 m/s (16.4 ft/s) (connection velocity)

Dimensional drawing

Measurements in mm (inches)

Design pressure and temperature

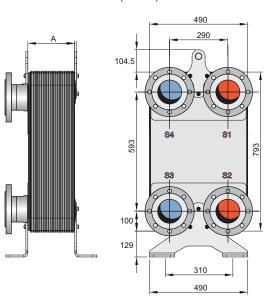
CB410/CBH410 - PED approval pressure/temperature graph



Designed for full vacuum.

Alfa Laval plate heat exchangers are available with a wide range of pressure vessel approvals. Please contact your Alfa Laval representative for more information.

NOTE: Values above are to be used as an indication. For exact values, please use the drawing generated by the Alfa Laval configurator or contact your local Alfa Laval representative.



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