



# Alfa Laval CB62AQ

## AHRI Certified® brazed plate heat exchanger

### Introduction

Alfa Laval CBAQ is AHRI Certified® through the Liquid to Liquid Brazed & Fusion-bonded Plate Heat Exchangers (LLBF) Certification Program which ensures thermal performance in accordance with the product specifications.

### Applications

- HVAC heating and cooling

### Benefits

- Compact
- Easy to install
- Self-cleaning
- All units are pressure and leak tested
- Gasket free

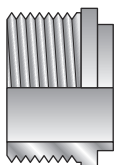
### Design

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.

Asymmetric channels provide optimal efficiency in the most compact design.

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

### Examples of connections



External thread



## Technical data

### Standard materials

|                |                 |
|----------------|-----------------|
| Cover plates   | Stainless steel |
| Connections    | Stainless steel |
| Plates         | Stainless steel |
| Brazing filler | Copper          |

## Dimensions and weight

### Dimensions and weight <sup>1</sup>

|                          |                   |
|--------------------------|-------------------|
| A measure (mm)           | 13 + (1.98 * n)   |
| A measure (inches)       | 0.51 + (0.08 * n) |
| Weight (kg) <sup>2</sup> | 2.1 + (0.18 * n)  |
| Weight (lb) <sup>2</sup> | 4.63 + (0.40 * n) |

<sup>1</sup> n = number of plates

<sup>2</sup> Excluding connections

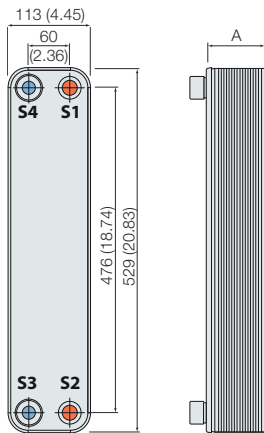
### Standard data

|  |   |
|--|---|
| Volume per channel, litres (gal)                   | AH (S1-S2): 0.104 (0.0275)<br>AH (S3-S4): 0.084 (0.0222)<br>H: 0.094 (0.0248) |
| Max. particle size, mm (inch)                      | 1 (0.039)   |
| Max. flowrate <sup>1</sup> m <sup>3</sup> /h (gpm) | 8.8 (38.7)  |
| Flow direction                                     | Parallel  |
| Min. number of plates                              | 10  |
| Max. number of plates                              | 150   |

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

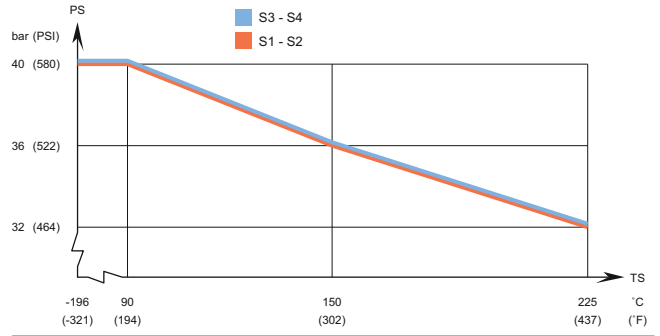
## Dimensional drawing

Measurements in mm (inches)



## Design pressure and temperature

### CB62AQ – 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.

## Certificates



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