LENNTECH
WATER TREATMENT SOLUTIONS

Alfa Laval CD200

Brazed plate heat exchanger for compressed air drying

Alfa Laval CD - CombiDryers are brazed plate heat exchangers designed for separation of humidity in compressed air.

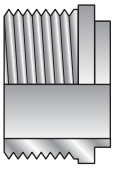
Applications
- Compressed air drying

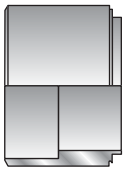
Benefits
- Compact
- Easy to install
- Self-cleaning
- Low level of service and maintenance is required
- All units are pressure and leak tested
- Gasket free

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.

The CombiDryer brazed plate heat exchangers are specifically designed with a unique double-circuit configuration for separation of humidity in compressed air.

Examples of connections


External thread


Soldering

Technical Data

Standard materials

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

Dimensions and weight[1]

A measure (mm)	13 + (2.31 * n)
A measure (inches)	0.51 + (0.09 * n)
Weight (kg)[2]	1.2 + (0.11 * n)
Weight (lb)[2]	2.65 + (0.24 * n)

1. n = number of plates
2. Excluding connections

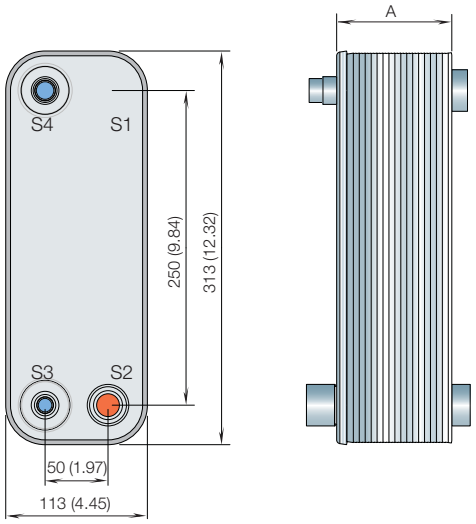
Standard data

Volume per channel, litres (gal)	0.054 (0.014)
Max. particle size, mm (inch)	1 (0.039)
Max. flowrate[1] m^3/h (gpm)	14 (62)
Flow direction	Parallel
Min. number of plates	10
Max. number of plates	150

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

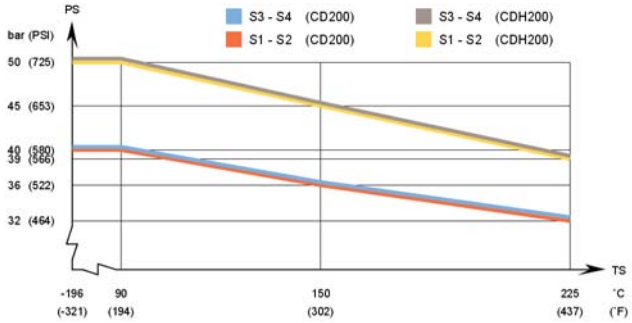
Dimensional drawing

Measurements in mm (inches)

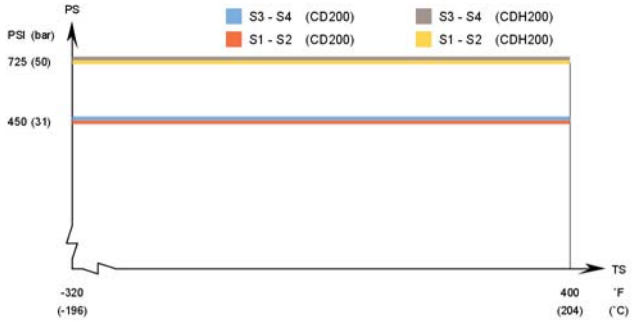


Design pressure and temperature

CD200/CDH200 – PED approval pressure/temperature graph



CD200/CDH200 – UL 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.