

# Alfa Laval Compabloc Spare Block

**The best way to limit the consequences of an unpredictable risk.**

## Introduction

The Alfa Laval Compabloc is a fully welded compact heat exchanger designed for a wide range of process and utility duties. The Compabloc range provides the most efficient, cost-effective, compact and cleanable heat exchanger solution available today. The Compabloc is the market leader in terms of life-cycle cost and energy savings.

The heart of the Compabloc is a stack of corrugated heat transfer plates in 316L stainless steel, or other high-grade material. The plates are laser welded (models CP30 and above) and form a compact core. This core is then enclosed and supported by four corner girders, top and bottom heads and four side panels. These components are bolted together and can be quickly taken apart for inspection, service and cleaning.

Alfa Laval proposes as a service a Compabloc Spare Block compliant with the panels of your original unit and which consists in:

- a plate pack
- a painted frame (4 girders + 2 heads)
- optionally, new support (on request)
- optionally new baffling system (on request)
- optionally, new panel bolting (rods + washer + nuts)

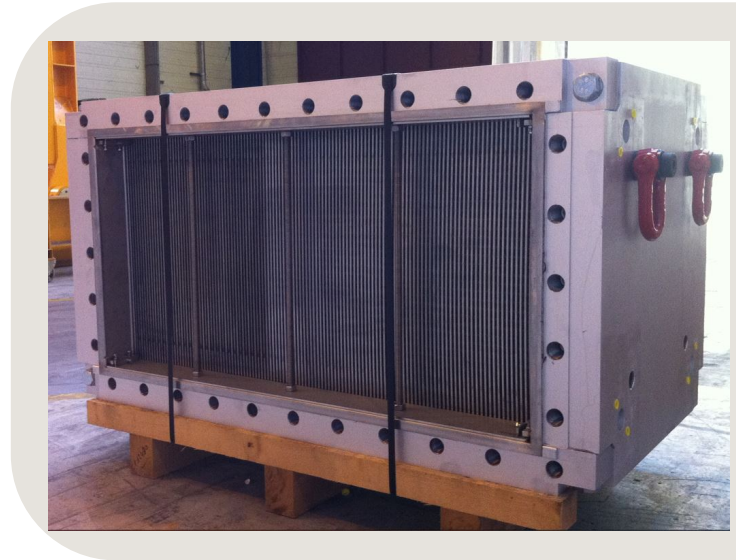
This Compabloc Spare Block must always be ordered with a set of 4 panel gaskets (separately sold – not included in the Compabloc Spare Block)

## Benefits

The Compabloc Spare Block permits to quickly recover the initial performances.

It can be:

- In a preventive way by keeping Spare Block in stock in case of sudden failure or loss of performance, especially on “vital” position in the customer’s process.
- In a curative way when a performance loss is identified
- By upgrading plate material/plate pattern in case of process modification or of unexpected corrosion
- To secure downtime of the customer’s factory during maintenance activity (quick change while cleaning and services can be performed in parallel on the original “block” of your unit)



The Alfa Laval Compabloc Spare Block will also reduce the impact on the environment by avoiding replacement with a complete Compabloc (no need to produce new thick panels).

The Compabloc Spare Block service is a faster and cheaper solution to prolong your process performance compared to substitute your initial Compabloc by a complete unit.

## Technical Data

Alfa Laval proposes a wide range of Compabloc Spare Blocks:

Model	Pattern	Number of plates	Standard materials***
CP15	CP	30/50/70/90	316L/254SMO/904L/Titanium/HC22
CP20	CP	40/60/80/100	316L/254SMO/904L/Titanium/HC22
CP30	CPL*	60/80/100/130/160	316L/254SMO/904L/Titanium/HC22
CP40	CPK	120/160/200	316L/254SMO/904L/Titanium/HC276
CP50	CPX**	150/200/250/300	316L/254SMO/904L/Titanium/HC276
CP75	CPX**	150/200/250/300/350/400/450/500	316L/254SMO/904L/Titanium/HC276
CP120	CPX	200/250/300/350/400/450/500	316L/254SMO/904L/Titanium/HC276

\* 100% compliant with former CP pattern

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\*\*\* possible other materials on request 316Ti, HC276, HC2000...

Painting: either Alfa Laval standard painting system or specific customer coating

Alfa Laval can also offer different types of packing, depending on transportation and storage conditions:

- Pallet (skid)
- Wooden box
- Wooden box with plastic cover (recommended for maritime transport or long storage)

Alfa Laval can provide the same additional options related to the plate pack as the initial unit – on request.

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