



## Alpacon Multi CIP II

**New and improved non-acidic concentrated cleaning agent for separators**

### Concept

The Alfa Laval Alpacon Multi CIP II is a concentrated cleaning agent designed for use in Cleaning-In-Place (CIP) systems for Alfa Laval high-speed separators used to treat fuel oil and lube oil in the marine and diesel industries.

Once blended with water, Alpacon Multi CIP II is ready for use. It primarily cleans the bowl discs, but also cleans the oil inlet and outlet. Keeping the separator disc stack clean contributes to high separation efficiency and thereby secures the supply of clean oil to the engine, which in turn minimizes wear.

Moreover, CIP reduces crew man-hours, reduces wear and damage due to assembly and disassembly and protects against scratches on the bowl discs, which can result from manual cleaning with improper tools. Scratched bowl discs require more frequent cleaning due to the adherence of particles to the disc surface.

### Features and benefits

- **Reduced operation and maintenance costs**  
The Alfa Laval Alpacon Multi CIP II reduces operating and maintenance costs by ensuring optimal separation performance.
- **Lower transportation and storage costs**  
Highly concentrated, Alpacon Multi CIP II has no transportation restrictions. One CIP cycle requires less than half the amount of comparable cleaning agents to achieve superior cleaning efficiency. It therefore is lighter in weight to transport and takes up less storage space onboard. One five-litre container is sufficient for up to five CIP cycles, making it the most concentrated, cost-effective CIP formula available today.
- **Biodegradable with minimal environmental impact**  
Readily biodegradable, Alpacon Multi CIP II has minimal environmental impact.
- **No foaming or emulsion formation**  
Alpacon Multi CIP does not cause foaming during the CIP process, so it is easier and less messy to use than comparable cleaning agents. Moreover, once used, it does not contribute to emulsion formation or have any negative impact on downstream sludge and bilge processes.



The Alfa Laval Alpacon Multi CIP II cleaning agent provides superior cleaning of Alfa Laval high-speed separators used to treat marine and diesel fuel oil and lube oil.

- **Superior cleaning efficiency**  
Alpacon Multi CIP II provides superior cleaning efficiency at lower temperatures than comparable cleaning agents. There is no need to pre-heat the system before starting the CIP cycle, thereby saving cleaning time for all Alfa Laval separators. However, it is especially important for the Alfa Laval S-separator, which has a lower CIP temperature than comparable separators.
- **Non-corrosive**  
Alpacon Multi CIP II is a safe, non-acidic cleaning agent. It does not cause corrosion on any metallic materials and does not have any negative impact on the sealing materials used in Alfa Laval separators.

- *Global support from a leading supplier*

The Alfa Laval global service network provides fast access to spare parts and equipment, expert service and technical support. Ship owners and ship management companies are able to rely on technical support, harbour support in most major ports, onboard service and genuine spare parts all available at short notice.

### Instructions for CIP use

- The recommended cleaning temperature is between 50° and 90°C.
- Mixing ratios depend on the separator size and type and are listed on the Alpacon Multi CIP II plastic container.
- Approximately two hours are required for a typical CIP cycle; however, three hours may be required for a heavily soiled disc stack.
- Refer to the Alfa Laval CIP unit manual for a detailed description of the CIP procedure. Contact your local Alfa Laval representative to obtain a copy of the manual.

### Other uses

- General mixing ratio for purposes other than CIP is one part Alpacon Multi CIP II to 20 parts water.
- If used for manual cleaning of lube oil and fuel oil bowl parts, the use of soft tools is recommended to prevent scratches on the bowl surface.
- May be used in series for simultaneous CIP of Alfa Laval pre-heaters during CIP of the separator.

### Technical data

#### Physical and chemical properties

Appearance	Yellowish liquid
Odour	Light
pH value at 20°C	9–10
Relative density	Approximately 1.0
Solubility in water	Miscible in water

#### Recommended cleaning temperatures (in °C)

Fuel oil and lube oils	50–90°C
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### Article number

1899900-16 (5L)

Note: Alpacon MULTI CIP II is an Alfa Laval OEM product, which has undergone rigorous testing in order to safeguard cleaning performance, minimize environmental impact and ensure that the product has no harmful effects on the separator. Use of a non-OEM CIP cleaning agent may cause corrosion, reduce the lifetime of the separator seals and negatively impact separation performance.

### How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at [www.alfalaval.com](http://www.alfalaval.com)