

# A revolution in hygienic tank cleaning

Hygiene-critical industries – from food to pharma, personal care and more – understand that comprehensive tank cleaning is key to reducing risk. They also know how challenging it is to achieve. Agitators, coils and similar components create shadow areas that can be difficult to reach with even the most advanced hygienic cleaning equipment.

The new Alfa Laval PlusClean® cleaning nozzle makes that challenge a thing of the past.

Alfa Laval PlusClean is smoothly integrated into the tank wall. When activated during Cleaning-in-Place (CIP), PlusClean hits shadow areas with a fan of pressurized cleaning media, giving you the market's first guarantee of 100% impact cleaning coverage.

A revolution in hygienic technology has arrived. It's time to ask: just how clean is your tank?

#### This is Alfa Laval

Alfa Laval is active in the areas of Energy, Marine, and Food & Water, offering its expertise, products, and service to a wide range of industries in some 100 countries. The company is committed to optimizing processes, creating responsible growth, and driving progress – always going the extra mile to support customers in achieving their business goals and sustainability targets.

Alfa Laval's innovative technologies are dedicated to purifying, refining, and reusing materials, promoting more responsible use of natural resources. They contribute to improved energy efficiency and heat recovery, better water treatment, and reduced emissions. Thereby, Alfa Laval is not only accelerating success for its customers, but also for people and the planet. Making the world better, every day. It's all about *Advancing better.*™

#### 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)



How clean is  
your tank?

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[alfalaval.com/plusclean](http://alfalaval.com/plusclean)

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Alfa Laval PlusClean® cleaning nozzle

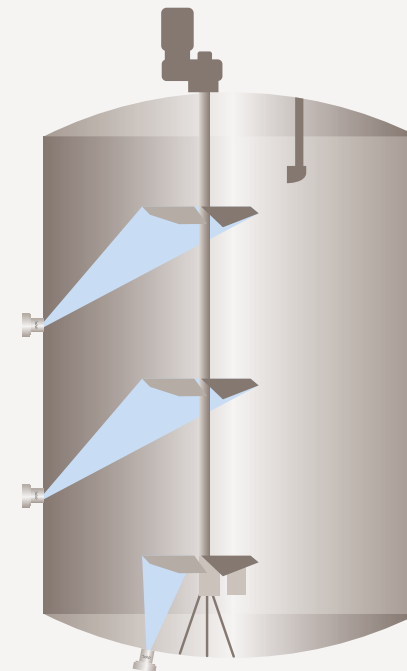




# 100% cleaning coverage

Alfa Laval PlusClean is available in several variants, making it possible to achieve 100% cleaning coverage in virtually any application. Depending on the overall design of your tank, you can configure the cleaning nozzle either in the tank wall or in the bottom ensuring coverage optimized to your specific application.

For demanding applications in the pharmaceutical and biotechnology industries, we offer Alfa Laval PlusClean UltraPure. This option includes the comprehensive Alfa Laval Q-doc documentation package, with full traceability over the entire supply chain.



## 1 Eliminate risk

Installed flush with the tank wall and used in combination with any top-mounted tank cleaning device, PlusClean ensures the market's only guarantee of 100% cleaning coverage – even in shadow areas – thanks to an optimized, high-impact spray pattern. PlusClean is designed to meet the highest hygienic requirements in tank cleaning and eliminate all risks of product contamination.

## 2 Up to 80% reduction in water and chemicals

Compared to methods used today, PlusClean does more than offer superior hygiene. The optimized flow design also reduces consumption of water and cleaning media by as much as 80%, meaning all new ways to improve your operational sustainability.

## 3 Easy to install, simple to use

PlusClean is easy to install thanks to a patented, built-in adjustment function. Media-spring activation that responds to fluid pressure makes the nozzle open automatically during CIP. A pneumatic-driven option is also available, and together with the Alfa Laval ThinkTop control unit, this allows you to have intelligent overview of your cleaning process.

## 4 Rapid payback time and low total cost of ownership

Alfa Laval has developed PlusClean with a focus on keeping your capital investment low. But that's just the beginning. Very low maintenance requirements and the reduction in water, cleaning chemicals and wastewater translate to lower operating costs as well, enabling a revolutionary, smart solution with the added bonus of a fast return on your investment.