

Complete cleaning assurance using less water, chemicals, and time

Spotless tanks and ducts are crucial to secure product quality, prevent contamination, and meet strict standards for hygienic processing. Cleaning-in-Place (CIP) equipment should get your vessels ready for production as quickly and economically as possible, without interfering with the product or processing equipment.

The answer is a high-efficiency retractable cleaning device: Alfa Laval Free Rotating Retractor. During cleaning, the free-rotating spray head emits cleaning liquid in all directions inside the duct or tank. After completing the CIP cycle, the spray head is retracted, leaving a smooth surface in the vessel wall.

Easy to install and maintain, Alfa Laval Free Rotating Retractor can save up to 35% in cleaning time, water, and cleaning media compared to static spray ball systems, making it a truly resource-efficient solution.

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

Contact details for all countries are continually updated on our website. Please visit www.alfalaval.com to access the information.



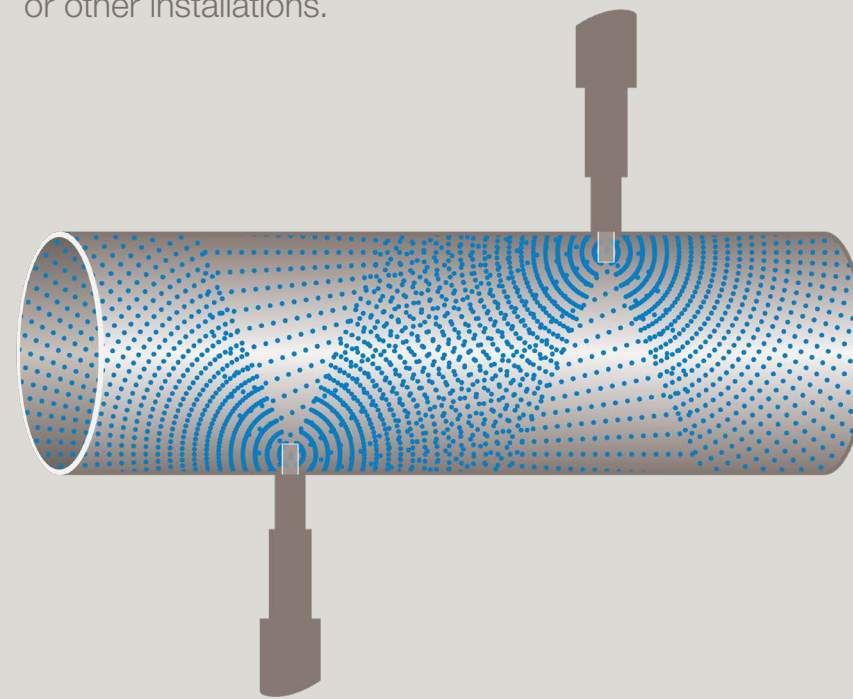
How clean are your ducts?

Alfa Laval Free Rotating Retractor



Get the job done. Everywhere.

No matter your application or processing system, Alfa Laval provides CIP components for 100% cleaning coverage. The Free Rotating Retractor contributes to complete and resource-efficient cleaning of ducts and tanks, without any interference with product or other installations.



A pair of Free Rotating Retractors can provide full cleaning coverage of a large duct segment. The freely rotating spray heads remove solids, powders, and liquids inside the duct, cleaning each other in the process. After cleaning, full retraction of the spray heads prevents buildup of product inside the duct.

100%
cleaning coverage

1 Get complete cleaning assurance

By including the Free Rotating Retractor in your CIP system, you can rest assured that any risk of interference or cross contamination is minimized, securing your product's quality. Complying with FDA, EU and China food contact material regulations, Free Rotating Retractor helps to secure good manufacturing and hygiene practices at your facilities. 3.1 documentation package is available upon request.

2 Save up to 35% on time, water, and chemicals

A more dynamic and efficient cleaning solution boosts uptime in your process, with significant time savings in each CIP cycle compared to static spray ball solutions. Smarter use of water and chemicals adds resource-efficiency and sustainability in your operation.

3 Install, operate, and maintain with minimal cost and effort

Free Rotating Retractor is designed for swift and easy installation. Fully automated operation is possible with Alfa Laval ThinkTop. The streamlined construction with minimal maintenance and spare part requirements helps to keep down total cost of ownership.

Ready to learn the difference that Alfa Laval Free Rotating Retractor can make for your process?

Visit alfalaval.com/freerotatingretractor