For us, downtime is a dirty word!
Let’s clean it away! How much would you expand your production capacity if you could clean the inside of a tank to perfection in just a few minutes?
Welcome to the amazing world of high-impact tank cleaning with rotary jet equipment from Alfa Laval. Getting your tank clean no longer takes days, or even hours. The job is done in minutes and you can rely on the same result every time.
It’s more than just shorter cleaning cycles. You avoid contamination and reduce the risk of producing second grade or reject batches. What’s more, consumption of cleaning fluids, water and energy is dramatically reduced.
Think of the impact on your bottom line.

Alfa Laval in brief
Alfa Laval is a leading global provider of specialized products and engineered solutions.
Our equipment, systems and services are dedicated to helping customers to optimize the performance of their processes, continuously and reliably.
We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuffs, starch and pharmaceuticals.
Our worldwide organization works closely with customers in almost 100 countries to help them stay ahead.

How to contact Alfa Laval
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Cleaning with impact from Alfa Laval

Cleaning with impact

Rotary jet tank cleaning equipment from Alfa Laval

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From days to minutes

Where time is money – downtime is a nightmare
Cleaning a rotary tank can take days and reduce high value production. Even cleaning using static spray balls takes hours. Large amounts of waste and large volumes of chemicals are used, which ultimately reduce output and increase costs.

Cleaning to perfection in just a few minutes
Install Alfa Laval rotary cleaning equipment. You won’t believe how fast it is or how clean your tanks are afterwards. It takes only minutes. Automatic high impact jet cleaning immediately after each batch, cleans your tanks rapidly and efficiently, giving the same impressive result every time.

Continuous operation
Short cycles speed up your cleaning process and give you more efficient tank utilisation. Once you have experienced the results from our customers shows that the improved product quality and lower life-cycle costs. Feedback from our customers shows that the rotary jet head is highly efficient and takes just a few minutes.

Low total cost of ownership
High-impact cleaning with short cycle times reduces consumption of water, detergents and chemicals by up to 75% compared to manual cleaning methods. Rotary cleaning fluid can be reused to clean more tanks. Cleaning with rotary equipment requires less energy and fewer personnel.

Improved product quality
Whereas time is money, cleaning with rotary tank equipment from Alfa Laval makes a valuable contribution to quality. Contamination is avoided, so quality is assured, and improved product consistency, resulting in less reject or poor grade material.

Benefits that impact your bottom line

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Benefits that impact your bottom line

Bioethanol production
Clean away sugar yeast
You don’t need traces of trash left behind in the bottom of your fermentation tanks. They fill the trash heap and reduce the production capacity of fermented product. So you have two choices – either use antibiotics or clean the tank to an extremely high standard.

Install Alfa Laval rotary tank cleaning equipment in your tanks and save money on antibiotics. High-impact cleaning after each batch will remove all traces of sugar yeast from your tanks.

Install Alfa Laval rotary cleaning equipment in your preparation tanks and liquid fraction tanks as well, and get more efficient ethanol production.

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Financial benefits at a glance
Continuous process – no downtime Cleaning efficiency up to 75% compared to manual Cleaning fluid can be reused Reduced energy and green house emissions

Pulp & Paper
Avoid cross-contamination
Permanently installed, Alfa Laval rotary jet tank cleaning equipment is the ideal solution for cleaning tanks throughout the process.

Compared to manual cleaning, rotary jet heads in thejob in a fraction of the time, eliminating costly downtime, increasing your overall output, and reducing your production costs.

High impact cleaning of all inner tank surfaces and related pipework and fittings between each batch avoids cross-contamination and reduces the risk of second grade or reject batches.

Scrubbing effect
Cleaning media is propelled against the tank’s internal surfaces with 360° vertical and horizontal coverage, ensuring that every square centimeter is covered by detergent. The physical impact of the cleaning media, combined with the rotary jet head and permits thorough cleaning that effectively removes all residual material from the inside of the tank.

Cleaning verification
Retachable is an electronic verification system that allows the user to verify 360° coverage and, thus, high cleaning efficiency. Sparse in-tank mounted sensors track the rotary jet head operation.

Easy to install and maintain
Alfa Laval rotary cleaning equipment is easy to install and requires only simple maintenance at long intervals. Maintenance can be handled by your personnel or by Alfa Laval service engineers.

Meeting industry standards
Carrying ATEX Certification, our rotary cleaning tank equipment meets all relevant industry standards, and also provide all necessary machine documentation and data.

Click on your area and let us analyse your needs.
Our TRAX software simulates the performance of rotary cleaning in your tank, before installation, by illustrating cleaned area distribution and wetting intensity. Thus, we can determine the configuration of the equipment in your tank that will provide the highest cleaning efficiency.

Image 813x459 to 970x560

Benefits that impact your bottom line

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Rotary jet tank cleaning

Benefits that impact your bottom line

Bioethanol production

Clean away savage yeast

You don’t need loads of cleaning effort to get the job done. The high-impact power of the jet from the Alfa Laval rotary jet tank cleaning equipment is the ideal solution for cleaning tanks throughout the bioethanol process.

Clean away your downtime

Install Alfa Laval rotary tank cleaning equipment in your tanks and save money on antibiotics. High impact cleaning after each batch will remove the last traces of yeasts and bacteria from your tanks.

Specialty chemicals

Avoid cross-contamination

Permanently installed, Alfa Laval rotary jet tank cleaning equipment is the ideal solution for cleaning tanks throughout the bioethanol process.

Pulp & Paper

Continuous operation, no downtime

With Alfa Laval high impact rotary tank cleaning equipment, key words are quality and performance. It’s a matter of achieving high quality tank cleaning.

Impact by design

Meeting industry standards

Continuous operation is highly efficient and takes just a few minutes. A full CIP cleaning cycle depends on tank size. In the first cycle, the nozzle layout covers the entire tank surface. The following cycles gradually make the process more dense until a full pattern is reached.

Scrubbing effect

Cleaning media is propelled against the tank’s internal surfaces with 360° vertical and horizontal coverage, ensuring that every square centimeter is covered by detergents. The physical impact of the cleaning media, combined with the rotary jet heads, ensures a complete cleaning process that effectively removes all residual material from the tank.

Clean away your downtime

Install Alfa Laval rotary tank cleaning equipment throughout your pulp factory. The impressive power of the jet from the Alfa Laval heads is impressive. On the inner surface of the tank, the jet head is already 75% effective in achieving high quality tank cleaning.

With Alfa Laval rotary tank cleaning equipment, key words are quality and performance. It’s a matter of achieving high quality tank cleaning.

The impressive power of the jet from the Alfa Laval heads is impressive. On the inner surface of the tank, the jet head is already 75% effective in achieving high quality tank cleaning.

Easy to install and maintain

With Alfa Laval rotary cleaning equipment is easy to install and requires only simple maintenance, at no additional costs. Maintenance can be handled by your personnel or by Alfa Laval service engineers.

Meet industry standards

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With Alfa Laval rotary tank cleaning equipment, key words are quality and performance. It’s a matter of achieving high quality tank cleaning.
From day to minutes

The risk of producing second grade or reject batches can be reduced in just a few minutes with Alfa Laval rotary cleaning equipment. You won’t believe how fast it is or how clean your tanks are afterwards. It takes only minutes. Automatic, high-impact cleaning immediately after each batch, cleans your tanks rapidly and efficiently, giving the same impressive result every time.

Continuous operation

Short cycles speed up your cleaning process and give you more efficient tank utilisation. Once you have experienced continuous operation with virtually no downtime, you’ll wonder why you didn’t install rotary cleaning equipment years ago. Your throughput increases and you reduce the production capacity of your plant.

Improved product quality

Whether your product is cleaning smaller tanks, using a more dense pattern, or cleaning larger tanks, using a more open pattern, and operate with four or eight nozzles, Alfa Laval rotary cleaning equipment gives better performance and lower life cycle costs. Feedback from our customers shows that the investment return is recoverable within 6-12 months, often sooner. After that, it really starts earning you money!

And it benefits the environment

Using less detergents and chemicals and generating smaller volumes of waste and effluent means less energy and generates smaller volumes of waste.

Continuous operation, no downtime

High-impact cleaning, with its short cycle time, reduces consumption of water, detergents and chemicals by up to 70%. Cleaned fluid can be used again. More and more industries are using ‘closed循环式’ systems. Flowback water is cleaned before being returned to the tank to an extremely high standard.

Benefits that impact your bottom line

- Low total cost of ownership. High-impact cleaning, with its short cycle time, reduces consumption of water, detergents and chemicals by up to 70%. Cleaned fluid can be used again. More and more industries are using ‘closed循环式’ systems. Flowback water is cleaned before being returned to the tank to an extremely high standard.

- Project costs are lower as well. CIP (clean in place) is the result of years of product development. The nozzles are designed for optimised jet definition, with working pressures as low as 3 bar.

- It pays for itself. Compared to manual cleaning, rotary jet heads give the job in a fraction of the time, eliminating costly downtime, increasing your overall output, and reducing your production costs.

- Continuous operation, no downtime. High-impact cleaning of all tank surfaces and related pipework and fittings between each batch avoids cross-contamination and reduces the risk of second grade or reject batches. Compared to manual cleaning, rotary jet heads give the job in a fraction of the time, eliminating costly downtime, increasing your overall output, and reducing your production costs.

- Lower environmental impact: Uses 30% less energy and generates smaller volumes of waste. Other. Perform “semi-manual” cleaning with Alfa Laval rotary jet cleaning equipment is the ideal solution for cleaning tanks throughout the plant.

- Safety and efficiency. The impressive power of the jet from the rotary head immediately impacts the inner surface of the tank, ensuring that every square centimeter is covered by detergent. The nozzles are designed for optimised jet definition, with working pressures as low as 3 bar.

- Easy to install and maintain. Alfa Laval rotary jet cleaning equipment is easy to install and requires only simple maintenance, at low intervals. Maintenance can be handled by your personnel or by Alfa Laval service engineers.

- Meeting industry standards. CIP (clean in place) and wetting intensity. Thus, we can determine the configuration of the equipment in your tank that will provide the highest cleaning efficiency.

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Bioethanol production

Clean away sausages

You don’t see traces of bioethanol sausage product in the bottom of your fermentation tanks. They fill the fresh yeast and produce the production capacity of fermented product. So you have two choices: either use antibiotics or clean the tank to an extremely high standard.

Install Alfa Laval rotary tank cleaning equipment in your tanks and save money on antibiotics. High-impact cleaning after each batch will remove fine traces of sausage yeast from your tanks.

Clean away your downtime

Switch from manual cleaning to automatic high-impact cleaning with Alfa Laval rotary tank cleaning equipment. Since cleaning takes minutes instead of hours or even days, you dramatically increase your production capacity. There are other benefits as well:

- High impact cleaning of blow towers and filters tanks reduces variations in pulp quality and saves money on antibiotics.

- High-impact cleaning of blending tanks increases product quality while reducing money on biocides.

- High-impact cleaning of bleaching tanks increases production quality while saving money on biocides.

- High-impact cleaning of all tank surfaces and related pipework and fittings between each batch avoids cross-contamination and reduces the risk of second grade or reject batches.

Pulp & Paper

Cleaning is eliminated and high product quality is assured. With Alfa Laval high-impact rotary tank cleaning equipment, key words are quality and performance. It’s a permanent installation of high-quality and efficient tank cleaning.

Avoid cross-contamination

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