



Change your mind about cleaning procedures

Alfa Laval automated tank cleaning systems for the pulp and paper industry



Rapid, automated cleaning

All the process systems and tanks used in the pulp and paper industry need regular cleaning to prevent complications arising in the manufacturing process. Up to now, most companies have done this manually.

However, it is now possible to carry out such tank cleaning rapidly and automatically, by installing Alfa Laval rotary jet heads inside the vessels and tanks. This specialist equipment provides 360° indexed impact cleaning that is defined over a preset time period.

Such a rapid, fully automated cleaning method virtually eliminates downtime and other production disruptions due to tank cleaning. These new cleaning procedures also do away with the manpower requirements associated with manual cleaning, which results in significant cost reductions.

New operating concept

Alfa Laval tank cleaning technology enables pulp and paper manufacturers to make radical changes to their cleaning

procedures. The rapid, automated cleaning procedures now available mean that the manpower previously required for manual cleaning can be used elsewhere. This leads to increased production efficiency and lower costs. Installing Alfa Laval rotary jet heads in tanks and other equipment also makes it possible to ensure a highly efficient, continuous production flow. This both reduces costs and boosts product quality.

Benefits for the pulp and paper manufacturer

- Less water consumption
- No downtime
- Better product quality
- Rapid cleaning
- No manpower requirements
- Reduced biocide consumption
- Reduced environmental impact
- Moderate investment/rapid return

Optimizing installation

Installation specifications

To ensure correct installation, Alfa Laval technicians provide CAD-generated drawings based on the customer's specific tank dimensions, with details of location, piping and pressure/flow requirements.

Process design

The unique Alfa Laval design includes process parameters and computerized TRAX[®] simulation. This advanced software provides an analysis of cleaning shadows and can generate customized patterns for the vessel concerned.

Operational procedures

Our extensive experience in this field means that Alfa Laval is able to suggest the best possible operating procedures for this kind of tank cleaning equipment.

Free on-site trial

Before installing your new cleaning system, let Alfa Laval provide you with a trial model that you can try out for yourself – entirely free of charge.

Installation example

	Product	Name of tank	Typical size Diameter/m.	Typical size Height/m.	No. of machines
Rotary spray heads	MultiMidget	Disc filters	2-3	4-8	3-8
	MultiMagnum	Wire chutes	2-3	2-4	2-8
		Colour tanks	1-3	3-6	1-2
		Kaolin tanks	1-3	3-6	1-2
Rotary jet heads	MultiJet 25	Mixing tanks	3-5	4-6	1-2
	MultiJet 40	Broke pulp tanks	2-4	5-10	1-2
	TZ 67 – portable	Wire pits	1-5	1-2	1-2
		Medium-size stock chests	6-9	12-15	1-2
		Pulp towers	8-12	15-25	1-2
		High-density stock chests	6-9	10-20	
Rotary jet heads	TZ 79	Large stock chests			1
	TZ 66	Large white water towers	6-12	15-30	1
		Large pulp storage towers			1



Rotary spray head
MultiMidget in operation



Rotary jet head
MultiJet 25 in operation



Rotary jet head
MultiJet 40 in operation

How to contact Alfa Laval

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