
scanjet
an Alfa Laval brand

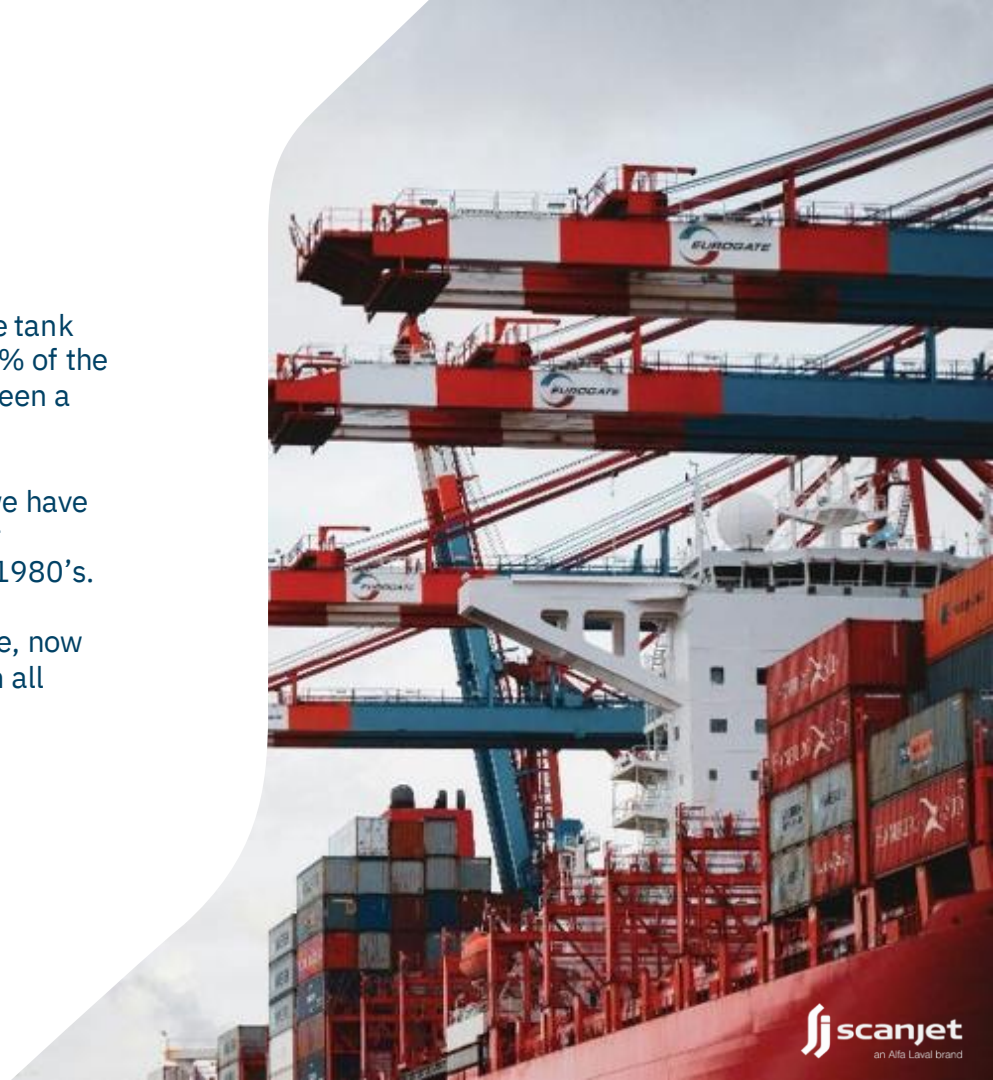
WORLDWIDE MARKET LEADER

Scanjet is the world's leading manufacturer of marine tank cleaning equipment, supplying equipment to over 80% of the world's tanker fleet. Since early 2000 we have also been a major provider to land based industries.

With our heritage in the Swedish shipping industry, we have called Sweden home since the first machines left our production facilities in southern Sweden back in the 1980's.

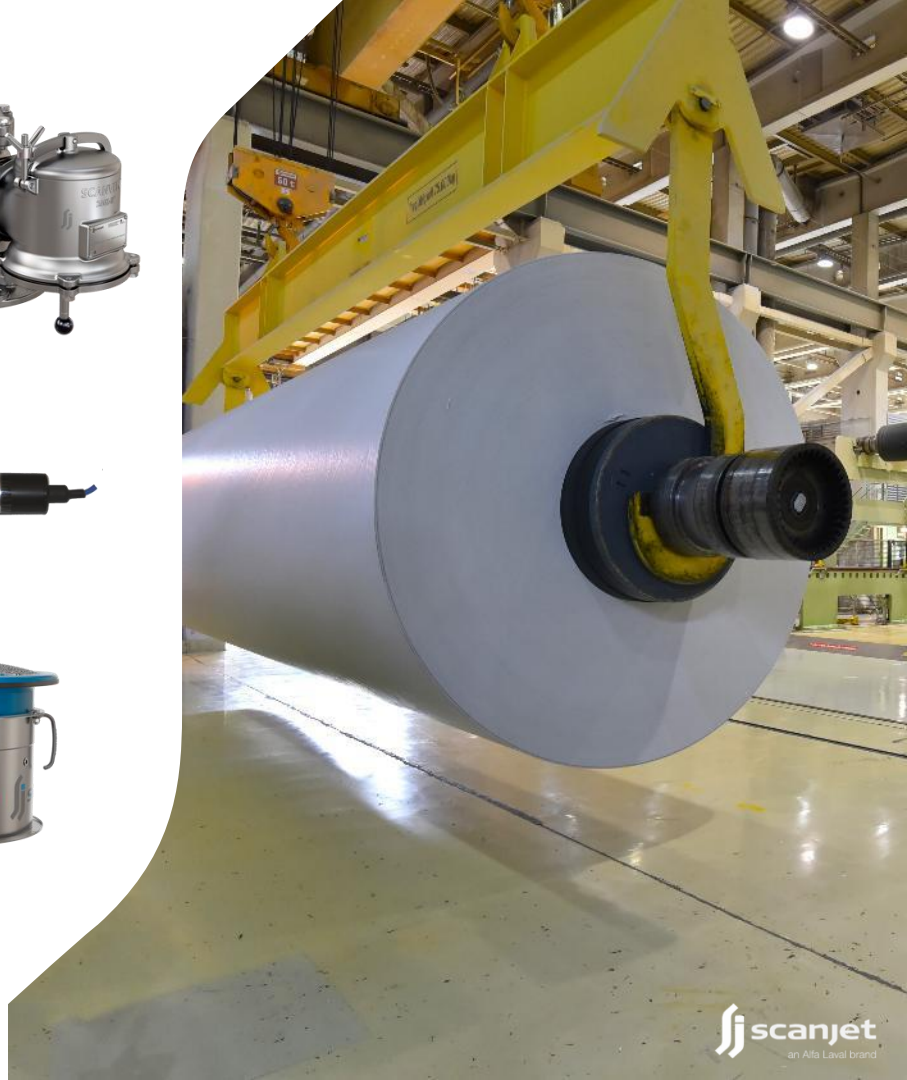
As the business has grown so has our global presence, now having our own manufacturing and support offices on all continents – being close to our customers.

From 2022 Part of the Alfa Laval group



Portfolio offering

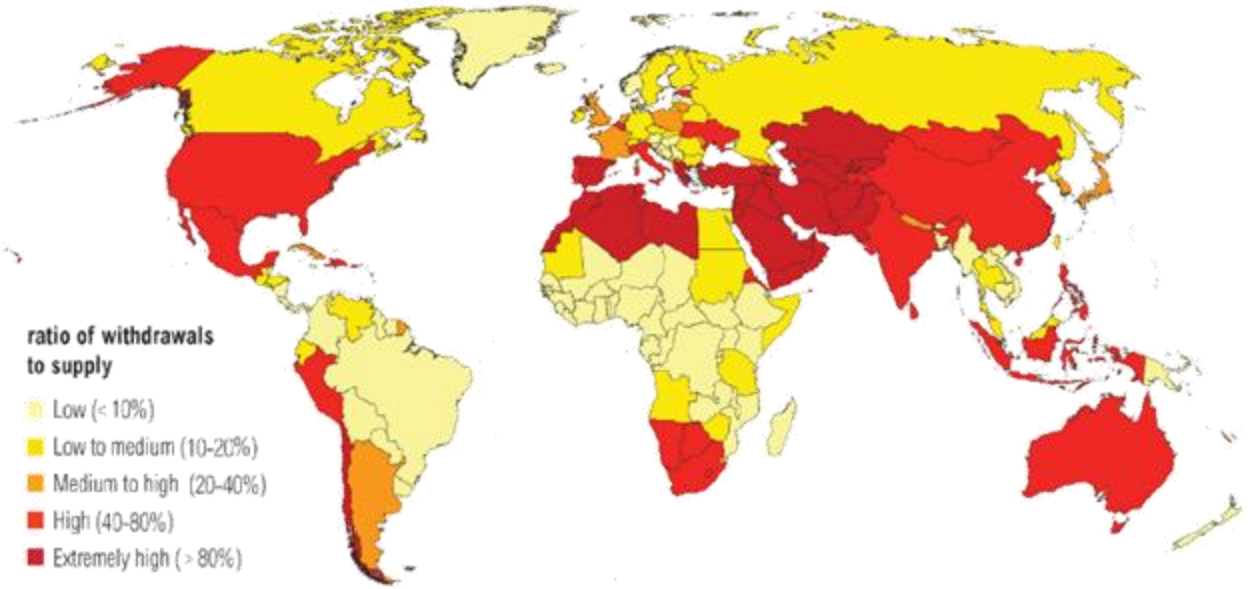
- Tank cleaning
- Level gauging
- Water Ingress sensors
- Gas freeing fan
- PV valves
- Blind flange valves



BENEFIT OF EFFECTIVE TANK CLEANING

- Reduced water / chemical consumption due to more effective cleaning = **lower OPEX**
- Fast cleaning = **More production**
- Consist paper product, minimizing the risk of bad product quality = **Quality product**
- No man entry = **Safety**
- Sustainability goals = **Water saving**

Water Stress by Country 2040



NOTE: Projections are based on a business-as-usual scenario using SSP2 and RCP8.5.

For more: ow.ly/RiWop

WORLD RESOURCES INSTITUTE

Water scarcity is the limited availability of water resources to meet a region's demands.

It can lead to crop failure, food insecurity, and economic challenges.

Reduce **water use intensity** by **15%** across our manufacturing facilities by 2025 (per metric ton of product made).

PROGRESS

ON TRACK: – 4.4%

AkzoNobel

By 2030, we're aiming to move towards zero waste as a company. An important factor in this is the use of water. We're committed to taking proactive steps to reuse all our waste and reuse water at all our most water intensive sites. This will allow us to minimize our impact on the environment and reduce the use of essential resources.

2030 commitment

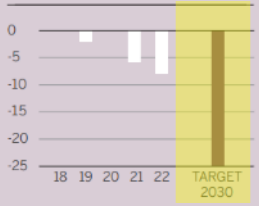
Reduce average water intake to 2.6hl/hl in water-stressed areas and 2.9hl/hl worldwide

In 2021, our global average water usage was 3.4hl/hl in all our breweries and 3.1hl/hl in water-stressed areas.

2023 commitment

Treat 100% of wastewater of all breweries

PROCESS WATER USAGE PER PRODUCT TONNE %



In 2022, our water use will decrease by 7.4% (5.4).

Systematic and persistent work at several mills has reduced water use.

Metsä

Cleaning Technologies

Static Spray Ball

- Low pressure : 2-3 bar
- High flow
- Low impact 0,1N

Rotary Spray Head

- Low pressure : 2-3 bar
- Medium flow
- Medium impact 1N

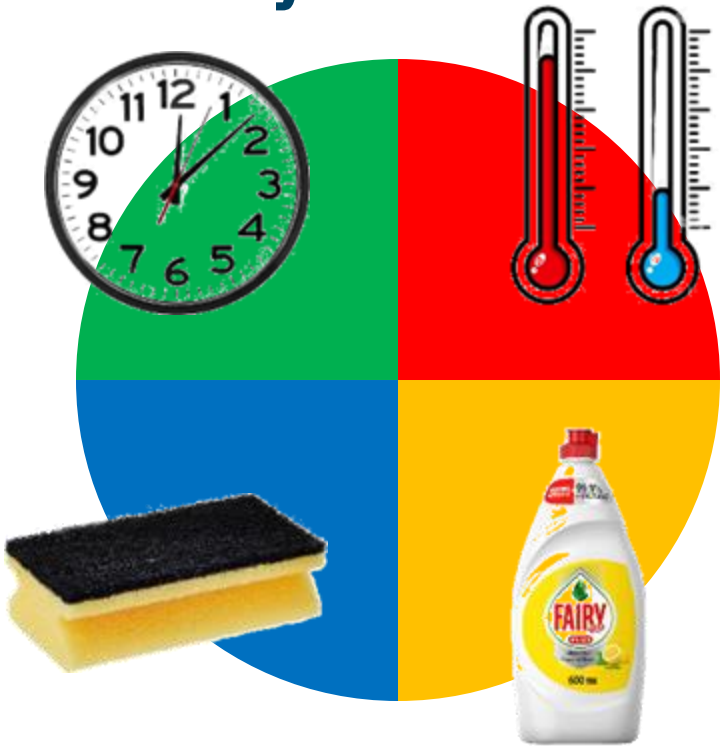
Rotary Jet Head

- High pressure : 5-7 bar
- Low flow
- High impact 10N

Cleaning efficiency

Time

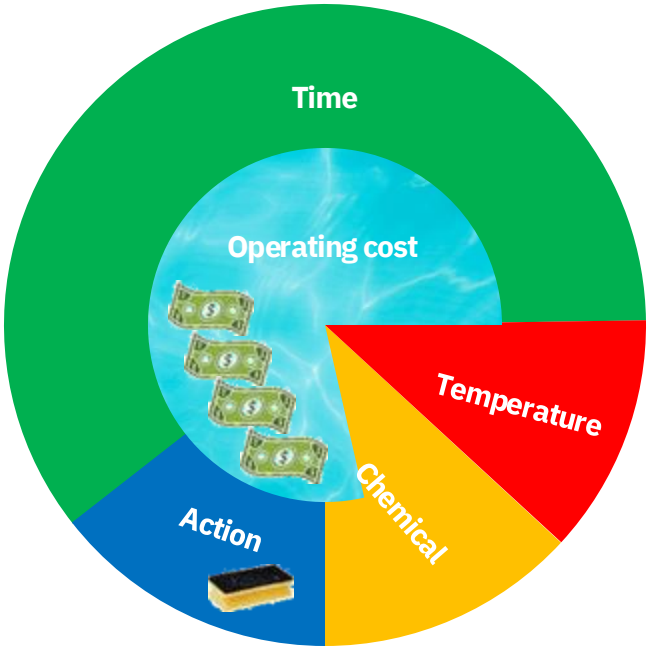
Temperature



Mechanical Action

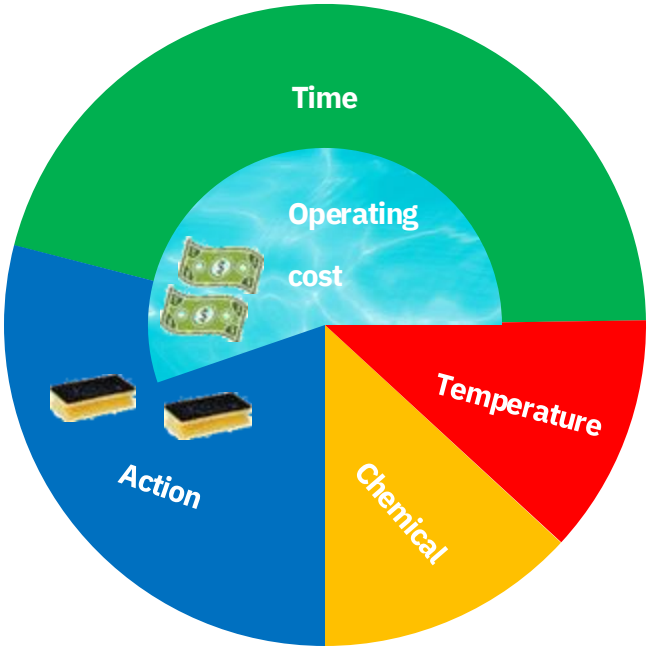
Chemical

Static Spray Ball



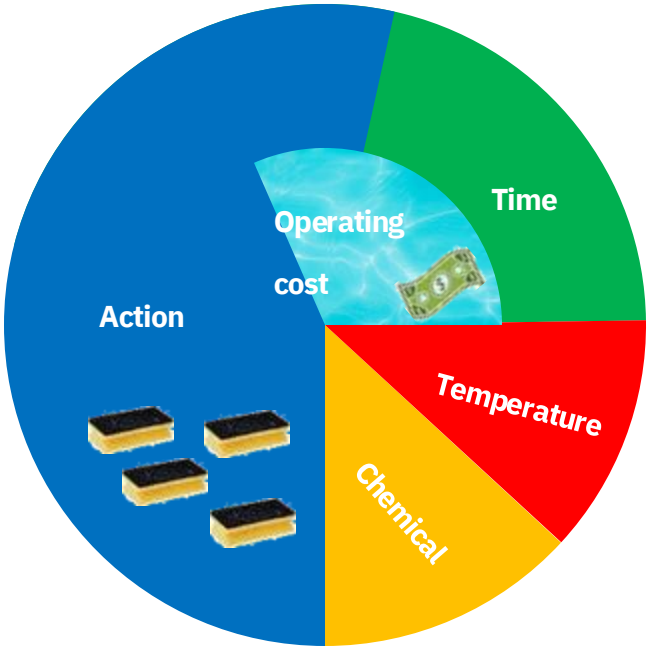
Low Mechanical Action
- Long cleaning time
- High operating cost

Rotary Spray Head



Medium Mechanical Action
- Medium cleaning time
- Medium operating cost

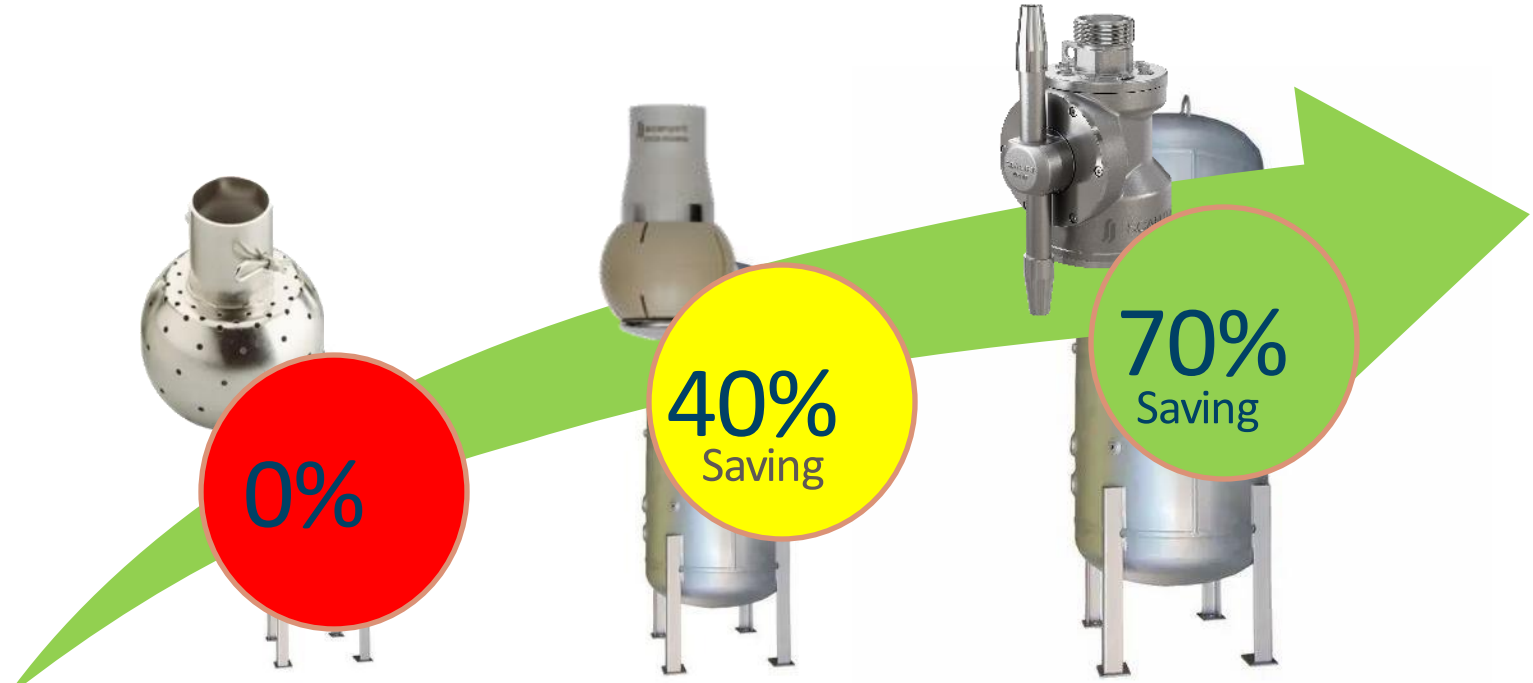
Rotary Jet Head



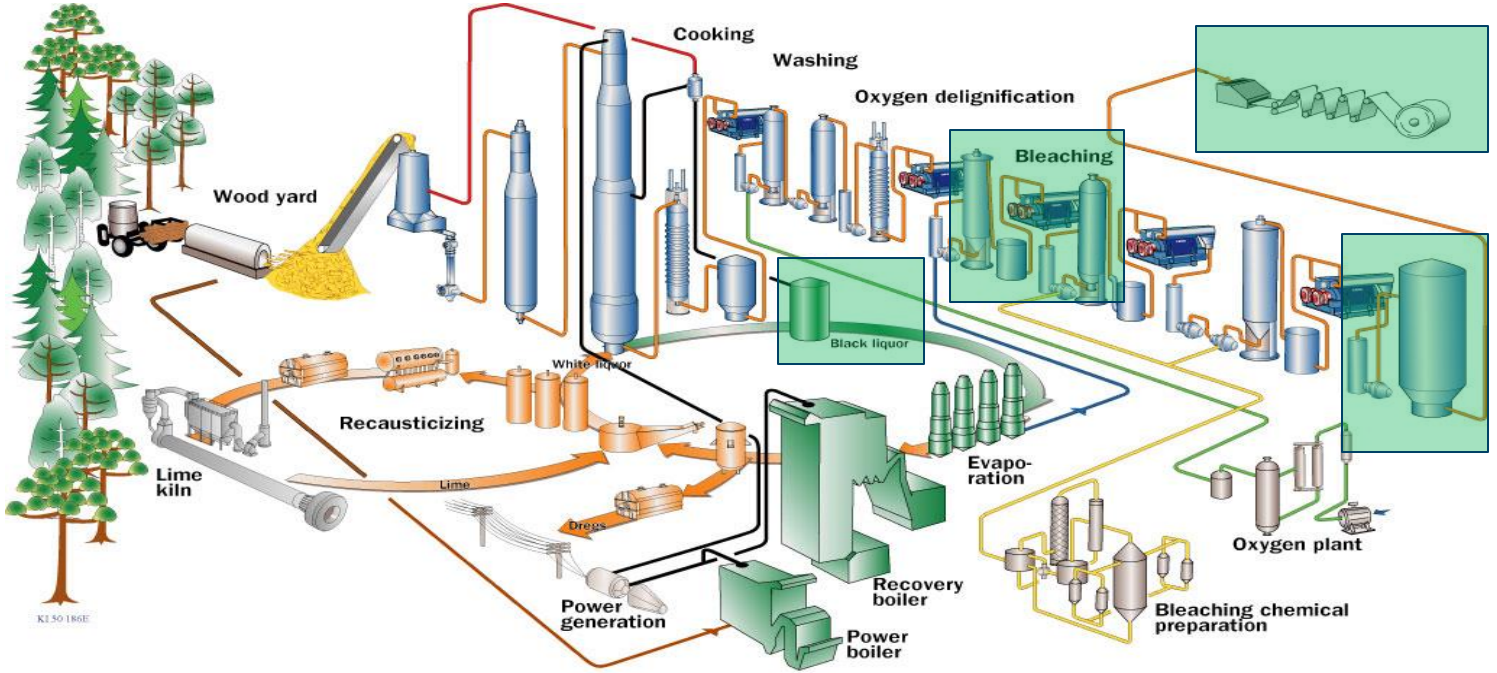
Video source : Hyprosys

High Mechanical Action
- Short cleaning time
- Low operating cost

Savings on time and water



Tank cleaning in the Pulp and Paper Industry



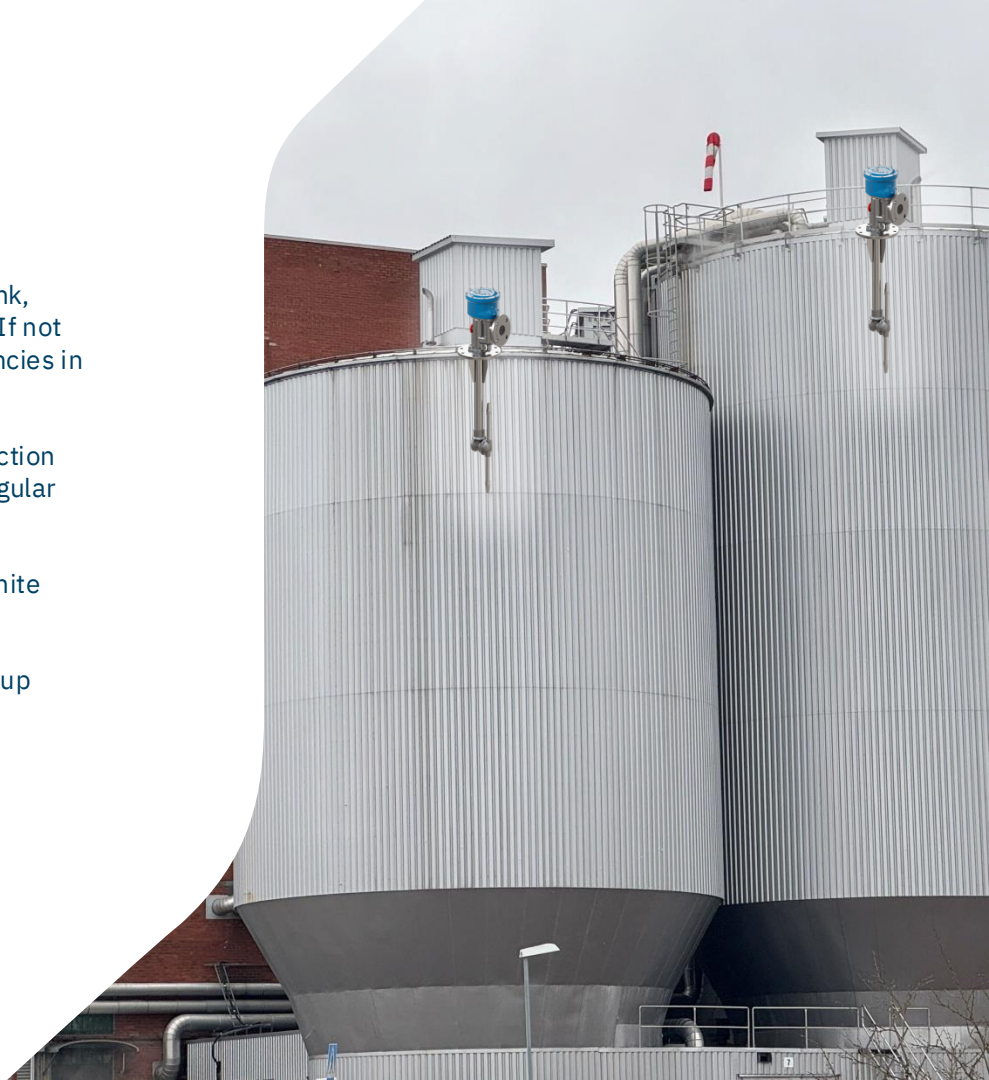
Pulp Tower

The most critical area of the pulp tower is the top of the tank, where pulp tends to dry and become challenging to clean. If not addressed, dried pulp can break off and lead to inconsistencies in paper quality.

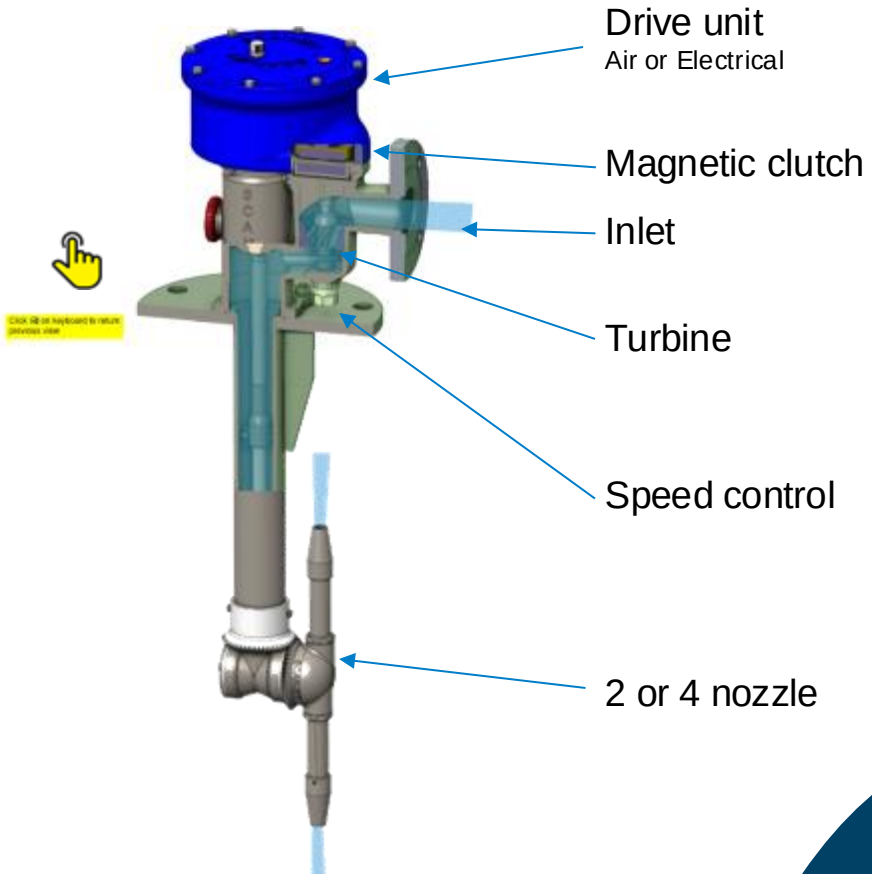
The upper section of the tank can be cleaned during production while the pulp remains in the tank. Implementing short, regular cleaning cycles helps prevent significant buildup.

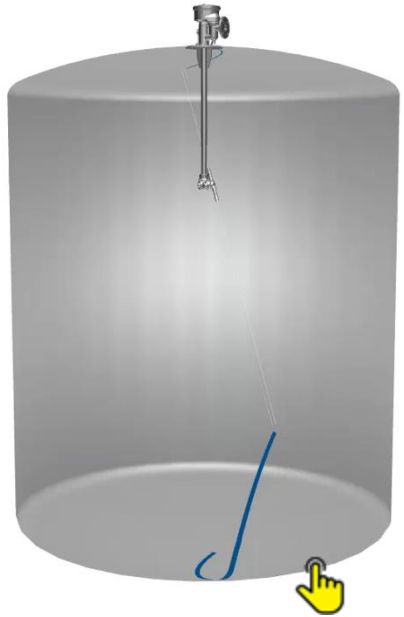
This cleaning process can be carried out using filtrate or white water.

- Regular cleaning helps to prevent significant pulp build-up
- Improved product quality
- Reduced risk of breakdowns
- Lower water consumption for cleaning
- Time savings in the cleaning process
- Enhanced safety with a no-man-entry solution



Cleaning solution, Model SC 40



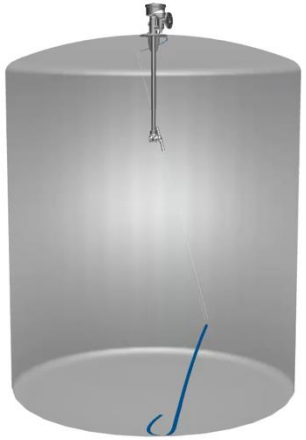


Pulp Tower

Installation in Indoensia.

Tower was only cleaned during maintenance

Cleaning equipment installed : Scanjet Model SC 40RT



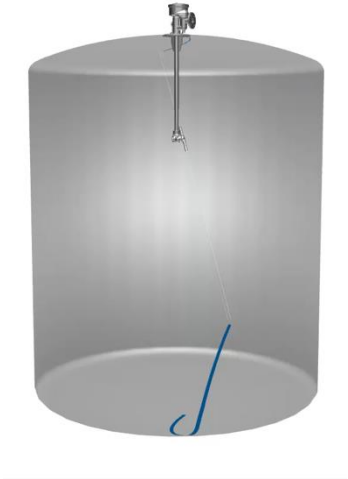
Cleaning can start

Pulp Tower

Installation in Indoensia.

Tower was only cleaned during maintenance

Cleaning equipment installed : Scanjet Model Sc 40RT



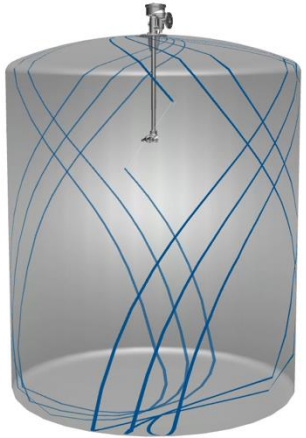
10 minutes

Pulp Tower

Installation in Indoensia.

Tower was only cleaned during maintenance

Cleaning equipment installed : Scanjet Model Sc 40RT



25 minutes

Pulp Tower

Installation in Indoensia.

Tower was only cleaned during maintenance

Cleaning equipment installed : Scanjet Model Sc 40RT

45 minutes

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Pulp Tower

Installation in Indoensia.

Tower was only cleaned during maintenance

Cleaning equipment installed : Scanjet Model Sc 40RT

65 minutes

Spotlight on the Pulp Tower

The Scanjet Model SC 40 comes in tree version

- SC 40RT turbine driven 5-12 bar
- SC 40RE Electrical driven
- SC 40RA Air driven

General for all model is that they are utilizing white water or filtrate as cleaning media.

Regular cleaning

Conducting regular, short cleaning sessions with the SC 40 model **during production** or between batches prevents pulp from drying on the tank's surface and avoids mold growth.

This is essential for maintaining hygiene in pulp used for tissue paper, facial tissues, napkins, and food packaging materials.

Headbox cleaning

Broke Chest

Wire pit

Portfolio offering

Industrial specification

- Robust external gearbox:

- Isolated from cleaning fluid to prevent blockages from particles, ensuring smooth operation in tough conditions

- Versatile drive options

- **Turbine, electric, air, or hydraulic drives.**

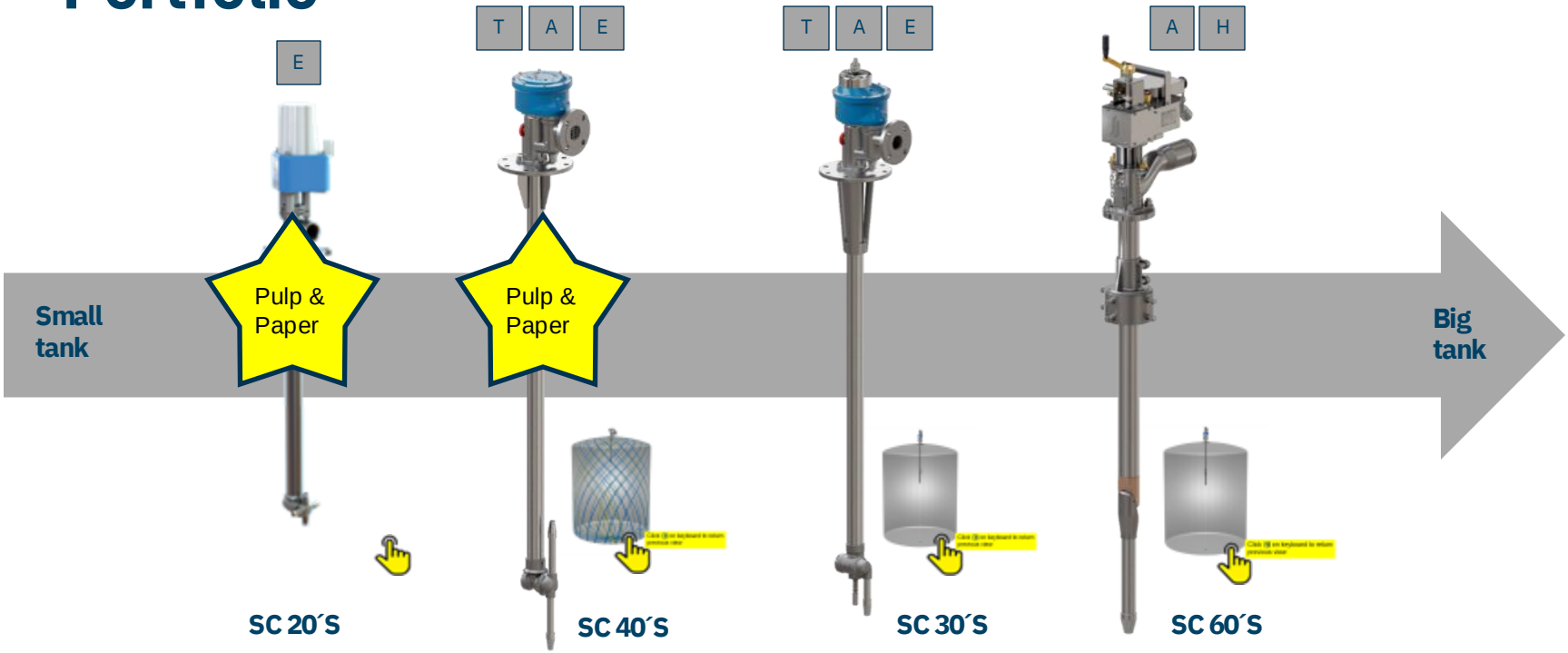
- Tank size

- **From 2-meter to 125-meter tanks.**

- Durable, efficient design:

- Built for long-lasting, reliable performance across various industries. Service interval 600-1200 working hours

Portfolio



Drive unit

T	Turbine	A	Air
E	Electrical	H	Hydraulic

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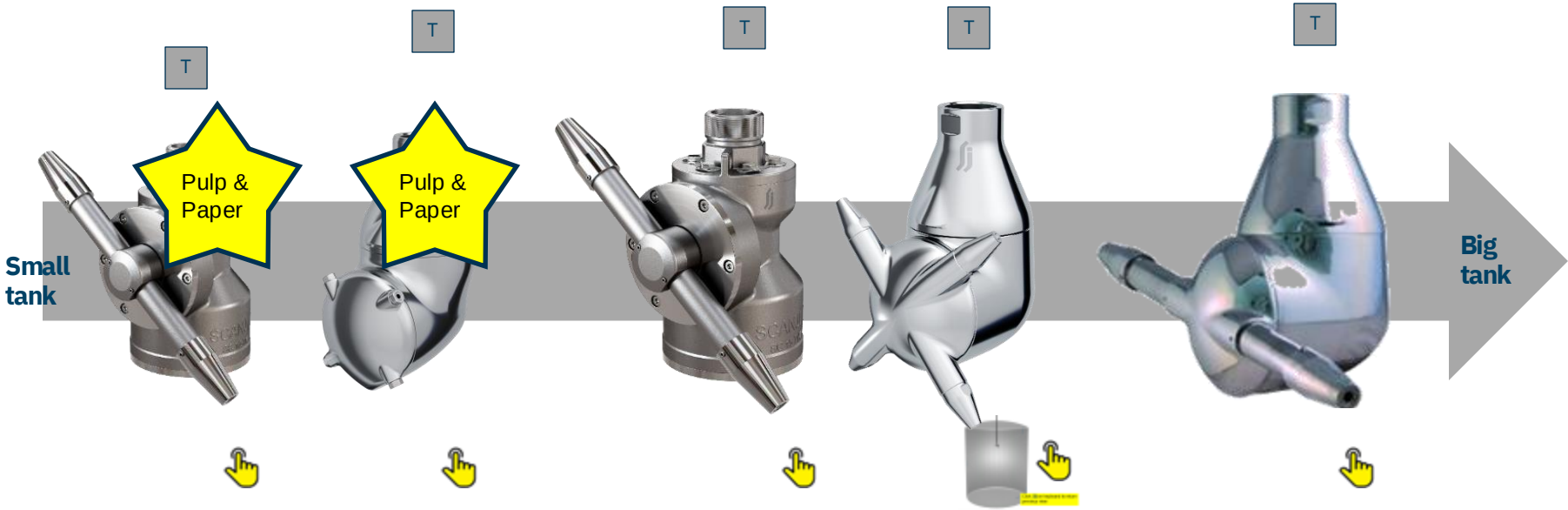
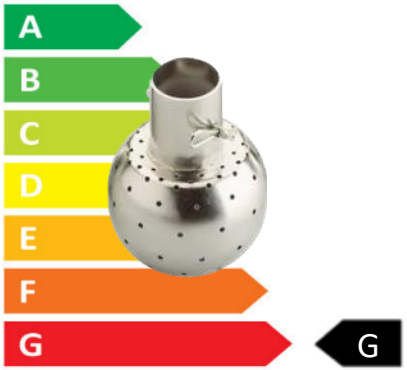
Used at Portable/fixed installed in Industrial application

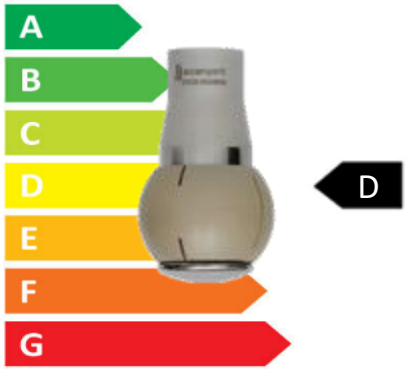


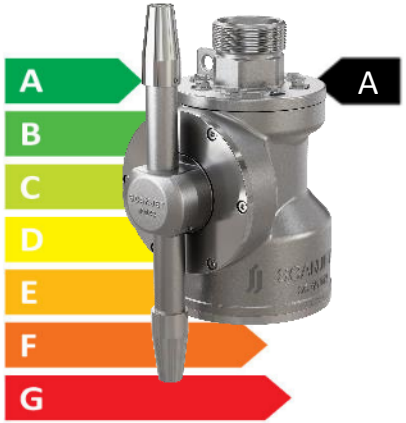
T	Turbine	A	Air
E	Electrical	H	Hydraulic

Drive unit

Cleaning technologies







For illustration only

Tank Cleaning in Pulp and Paper

Benefit
- Water / Chemical saving
- Minimize risk of shutdown
- Safe working environment
- Time saving
- Clean during production to avoid major build-up

Application
- Bleaching tanks
- Pulp tower
- Process tanks
- Chemical tanks
- Broke Chests
- Water Tanks
- Starch tanks
- Wire pits and many other tanks requiring cleaning

Some of our happy customers

- Metsä
- Mondi
- Stora Enso
- JK Paper
- Nine Dragon
- UPM
- Siam Nipon Paper
- Artic Paper
- Asian Paper
- Nordic Paper

..... And many more