



## Alfa Laval Three-in-one technology for optimized tank cleaning

Burst nozzle for use with a rotary jet head for effective removal of stubborn residues

### Introduction

Alfa Laval Three-in-one technology for optimized tank cleaning, or Burst Nozzle, is a special nozzle for an Alfa Laval rotary jet head tank cleaner that enables fast wetting of the tank with cleaning media. This helps reduce both cleaning time and the consumption of water and cleaning media.

The Alfa Laval Burst Nozzle combines the best features of Alfa Laval's three key tank cleaning technologies – rotary jet heads, rotary spray heads, and static spray balls – to soften and quickly remove stubborn residues from tank interiors. Installed on a rotary jet head like the Alfa Laval TJ40G, it maximizes the usage of cleaning media and drastically reduces the amount of time and water used for tank cleaning.

### Application

A patent-pending solution, the Alfa Laval Burst Nozzle drastically reduces the amount of time, water and cleaning media required to clean a tank. Using an Alfa Laval Burst Nozzle with a rotary jet head is ideal for use in fermentation tanks, yeast manufacturing tanks, chemical reactors, jacketed tanks, and tanks of many other applications with hard-to-remove residues.

### Benefits

- Fast wetting of the tank wall with cleaning media for effective removal of stubborn soil that normally requires soaking time
- Reduced cleaning time
- Unique combination of mechanical force and wetting with cleaning media

### Standard design

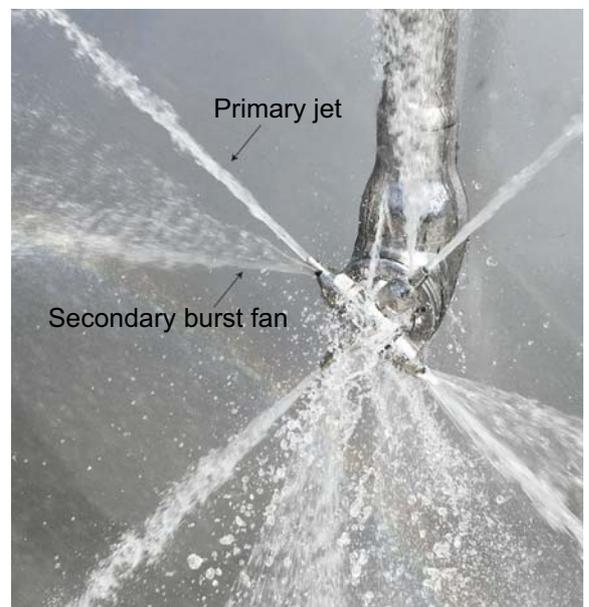
The Alfa Laval TJ40G Burst rotary jet head is supplied with the unique burst nozzle. However, it is possible to retrofit the standard Alfa Laval TJ40G and upgrade it to a burst version.

### Working principle

The burst cleaning technique enables fast application of cleaning agents to a soiled surface using as little cleaning agents as possible in the wash fluid.

Mounted on the rotary jet head device, the Alfa Laval Burst Nozzle quickly distributes the wash fluid via a secondary fan outlet on the side of the burst nozzle.

The wash fluid quickly covers the entire tank, reducing the amount of wash fluid required by one-third compared to the amount used in a regular cleaning cycle. Tough, hard-to-clean tank residues are therefore soaked in the cleaning agent before the jet head device begins its primary full coverage, high-impact tank cleaning.



Alfa Laval reserves the right to change specifications without prior notification.

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**How to contact Alfa Laval**

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