

Hygienic, Cleaning that meets 3-A standards

Alfa Laval TJ SaniMega SB/3-A Rotary Spray Head

Application

The Alfa Laval Toftejorg SaniMega SB Rotary Spray Head is designed with respect to Self-Cleaning, Self-Draining and Inspectability. Its novel patented One-clip assembly offers easy installation, disassembly and inspection without compromising cleanability and drainability. The Toftejorg SaniMega SB is an efficient replacement for the traditional Static Spray Ball as it offers liquid impact on the entire tank wall that lies within the spray pattern – a 270°U or a 360° pattern; both at a lower flow and high flow rate at equally low pressure.

Working principle

The flow of cleaning media causes the spray head of the Toftejorg SaniMega SB to rotate on a liquid film (Slide Bearing), with fans of water laid out in a swirling pattern on the entire perimeter within the spray pattern. This generates a vibrating impact in the impact zone and a dynamic cascading flow that covers all internal surfaces of the tank, vessel or reactor. The Self-Cleaning feature is due to the unique design that includes cleaning of the down pipe.



TECHNICAL DATA

Lubricant: Lubrication by rinse/cleaning fluid
 Wetting radius Max. 6 m
 Impact cleaning radius: Max. 3 m
 Steam or gas (air): Not supported – contact AL

Pressure

Working pressure: 1-4 bar
 Recommended pressure: 2-3 bar

Spray Pattern



360° 270° up

Standard Design

The Toftejorg SaniMega SB can be supplied with 3.1 Certificates for metallic parts and 3-A Conformity* on its plastic part.
 *Implies that the material complies with FDA 21CFR.

Sizing/selection and installation drawing are available. Contact Alfa Laval for recommendations.

PHYSICAL DATA

Materials

Metallic parts: AISI 316L
 Non-metallic parts: PEEK 450G
 Surface finish: Ra 0.8µm

Temperature

Max. working temperature: 95°C
 Max. ambient temperature: 150°C

Weight: 0.61 kg

Connections

Clip-on: 2" BPE US
 Weld-on: 2" BPE US*

Clip

Easy-on/off clip (ø5.0 mm)
 Clip needed for both clip-on and weld-on versions to assemble the machine.

Recommended tank size: 68-227 m³

Certificates

2.2 Material Certificate and EHEDG and 3-A.
 As add-on: 3.1 Material Certificate and ATEX.
 Authorized to carry the 3A symbol

