



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

Hygienic, Cleaning that meets 3-A standards

## 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: . . . . . 50-350 m<sup>3</sup>

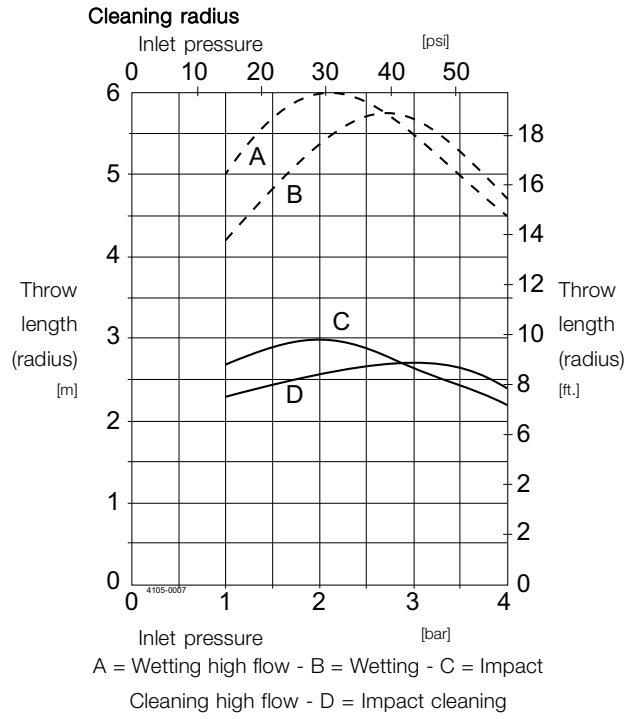
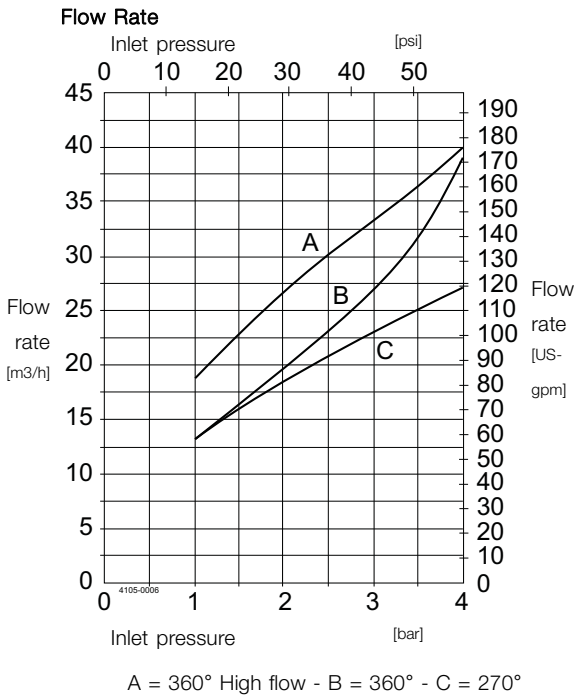
### Certificates

2.2 Material Certificate and EHEDG and 3-A.

As add-on: 3.1 Material Certificate and ATEX.

 Authorized to carry the 3A symbol

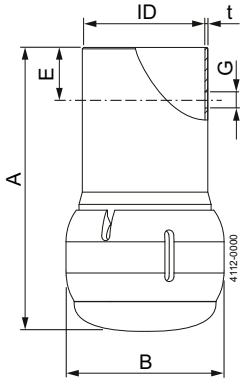




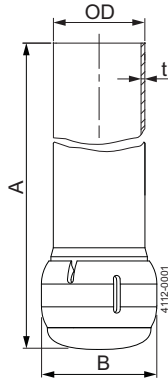
For Clip-on models, the flow rate is increased by approx. 2 m<sup>3</sup>/h.

**Note:** The inlet pressure has been taken immediately before the inlet to the machine. In order to achieve the performance indicated on the curves, the pressure drop in the supply lines between pump and machine must be taken in consideration and the water temperature during testing was approx. 20°C.

**Clip-on**



**Weld-on**



**Dimensions (mm)**

Type	A	B	G	E	ID	OD	t	Clip
Clip-on 2" BPE US	121	ø67.4	ø5.1	25.4	ø51.1			ø5.0
Weld-on** 2" BPE US	141.6	ø67.4				ø50.8	1.2	

\*\* Weld-on version only meets the requirements of the 3-A Hygienic Standard 78-01 if installed according to the user manual.

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

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**How to contact Alfa Laval**

Contact details for all countries are continually updated on our website. Please visit [www.alfalaval.com](http://www.alfalaval.com) to access the information direct.