

# Alfa Laval SaniMega SB 3-A

## Rotary Spray Head

### Introduction

The Alfa Laval SaniMega SB 3-A is a rotary spray head tank cleaning machine for hygienic environments. Designed to clean tanks from 40 - 400 m<sup>3</sup>.

The Alfa Laval SaniMega SB 3-A minimizes the consumption of water and cleaning media. Easy to customize to meet customer requirements, the SaniMega SB 3-A allows companies to spend less time cleaning and more time producing.

The SaniMega SB 3-A is authorized to carry the 3-A symbol.

### Application

The Alfa Laval SaniMega SB 3-A is designed for the removal of residues from hygienic tanks across the dairy, brewery, distillery, beverage, food, personal care and many other industries.

### Benefits

- 40% faster cleaning = more time for production
- Saves up to 40% of your cleaning cost
- Dynamic cleaning performance and 360° full wetting
- Easy to retrofit traditional spray balls to a more economical solution

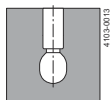
### Standard design

Different choice of spray patterns suitable for various applications and tank designs, ranging from simple tanks to more complex tanks with structures such as agitator and baffles. The SaniMega SB 3-A is lubricated by the cleaning media.

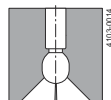
### Working principle

The flow of the cleaning media causes the head of the Alfa Laval SaniMega SB 3-A to rotate, and the fan-shaped jets layout a swirling pattern throughout the tank or reactor. This generates the wetting/impact needed for the efficient removal of the residual product; the cascading flow covers all internal surfaces of the vessel.

### Spray Pattern



360°



270° up



### Certificates

2.2 materiale certificates, Q-doc, 3-A and ATEX.



TECHNICAL DATA

Lubricant:		Lubrication by rinse/cleaning fluid
Wetting radius:		Max. 6 m
Impact cleaning radius:		Max. 3 m
Pressure		
Working pressure:		1 - 4 bar
Recommended pressure:		2 - 3 bar

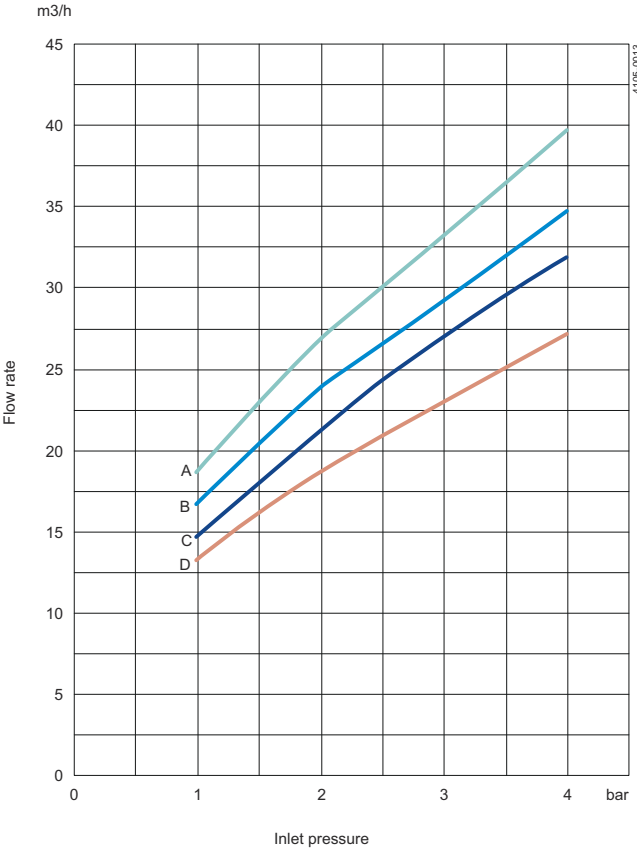
PHYSICAL DATA

Materials		
Metallic parts:	AISI 316L	
Non-metallic parts:	PEEK 450G <sup>1</sup>	
<sup>1</sup> FDA compliance 21CFR§177		
Surface finish:		Ra 0.8 µm
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>

Qualification Documentation

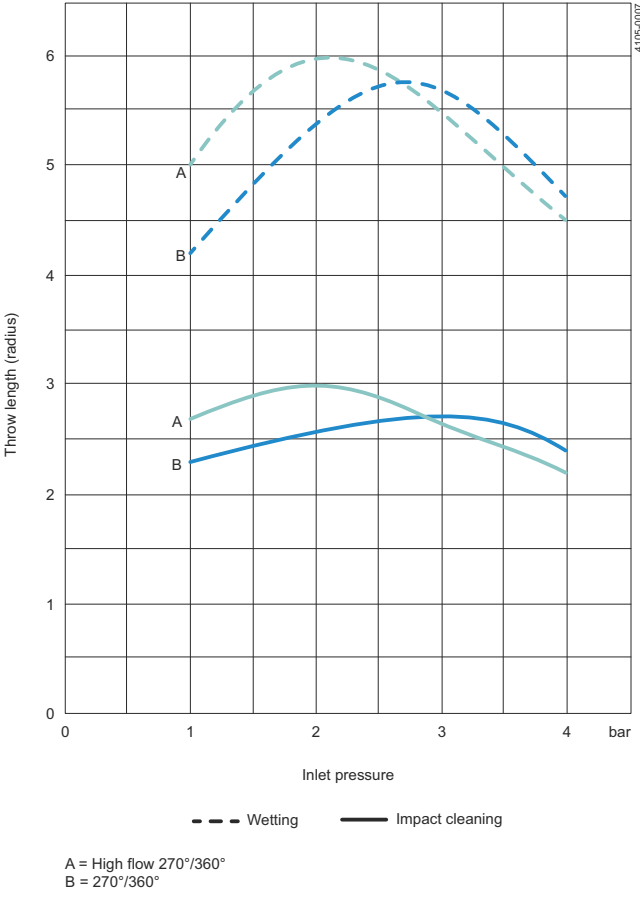
Documentation specification	
Q-doc	Equipment Documentation includes:
	<ul style="list-style-type: none"><li>• EN 1935/2004 DoC</li><li>• EN 10204 type 3.1 Inspection Certificate and DoC</li><li>• FDA DoC</li><li>• GMP EC 2023/2006 DoC</li><li>• EU 10/2011 DoC</li><li>• ADI DoC</li><li>• QC DoC</li></ul>
ATEX	ATEX approved machine for use in explosive atmospheres
	Catagory 1 for installation in zone 0/20 in accordance with Directive 2014/34/EU II 1G Ex h IIB 85 °C ...175 °C Ga II 1D Ex h IIIC T85 °C ...T140 °C Da
3-A	3-A number: 78-##. Spray Cleaning Devices

### Flow Rate



A = 360° High Flow  
B = 270° High Flow  
C = 360°  
D = 270°

### Cleaning radius



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

### 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 <sup>1</sup> 2" BPE US	141.6	Ø67.4				Ø50.8	1.2	

<sup>1</sup> Weld-on version only meets the requirements of the 3-A Hygienic Standard 78-# # if installed according to the user manual

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