



Alfa Laval SaniMega SB 3-A

Rotary spray head tank cleaning device for low-flow cleaning in hygienic applications

Application

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 m³

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*

* FDA compliance 21CFR§177

Surface finish:	Ra 0.8µm
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Temperature

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

Weight:	0.61 kg
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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.

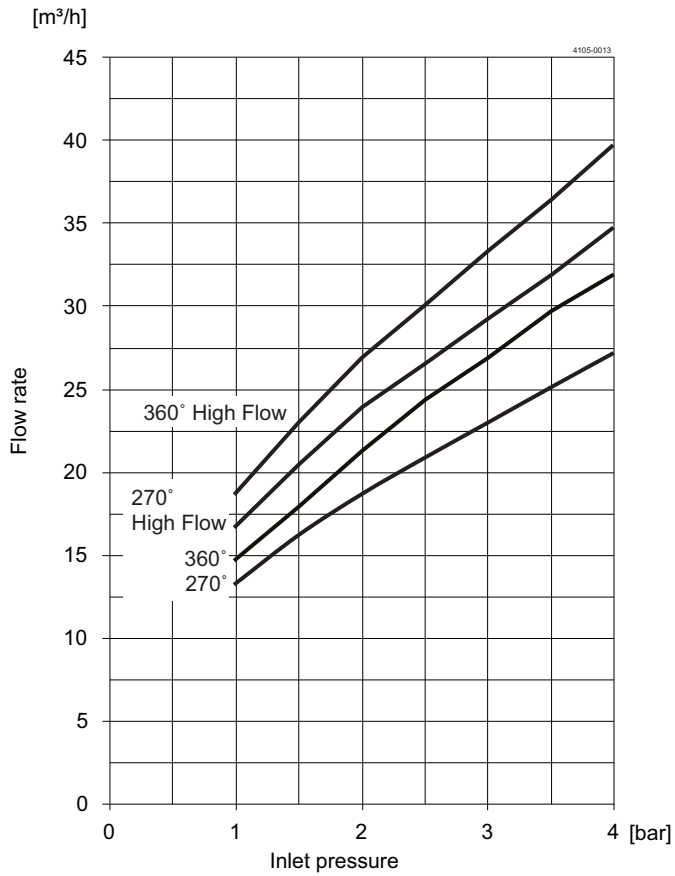
Recommended tank size:	50-350 m ³
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Qualification Documentation (Q-doc)

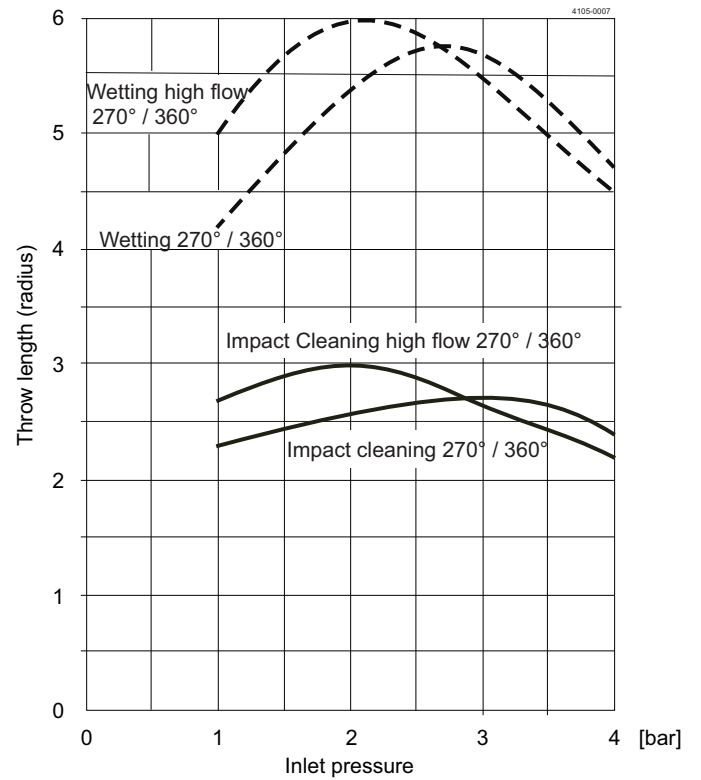
Documentation specification

Q-doc	Equipment Documentation includes: <ul style="list-style-type: none">- EN 10204 type 3.1 Material Inspection certificate- FDA Declaration of Conformity- ADI Declaration (TSE)- QC Declaration of Conformity
ATEX	ATEX approved machine for use in explosive atmospheres. Category 1 for installation in zone 0/20 in accordance to Ex II 1 GD c T 140°C.

Flow Rate



Cleaning radius



For Clip-on models, the flow rate is increased by approx. 2 m³/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** 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-# # if installed according to the user manual.

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

How to contact Alfa Laval

Contact details for all countries
are continually updated on our website.
Please visit www.alfalaval.com to
access the information direct.