



Alfa Laval SaniMicro

Rotary Spray Head

Introduction

The Alfa Laval SaniMicro is a rotary spray head tank cleaning machine for hygienic environments. Designed to clean tanks from 0.05–1 m³ (13-264 US gallons).

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

Application

The Alfa Laval SaniMicro 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 40% of your cleaning cost
- Dynamic cleaning performance and 360° full wetting
- Easy to retrofit traditional spray balls to a more economical solution

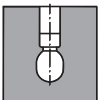
Standard design

Different choice of spray pattern suitable for various applications and tank designs, ranging from simple tanks to more complex tanks with structure such as agitator and baffles. The SaniMicro is lubricated by the cleaning media.

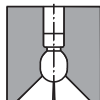
Working principle

The flow of the cleaning media causes the head of the Alfa Laval SaniMicro 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 surface of the vessel.

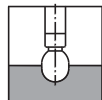
Spray Pattern



360°



270° up



180° down



Certificates

2.2 material certificate, Q-doc and ATEX.



TECHNICAL DATA

Lubricant:	Self-lubricating with the cleaning fluid
Wetting radius:	Max. 2.5 m
Impact cleaning radius:	Max. effective 0.6 m
Pressure	
Working pressure:	1-3 bar
Recommended pressure:	2 bar

PHYSICAL DATA

Materials:	AISI 316L (UNS S31603). PTFE*
* FDA compliance 21CFR§177.	

Clip parts:	316
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Standard Surface finish

exterior:	Ra 0.5µm
internal:	Ra 0.8µm

Temperature

Max. working temperature:	95°C
Max. ambient temperature:	140°C

Weight:	75 g
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Connections

- Thread: 3/8" Rp (BSP), or 3/8" NPT
- Weld-on: 3/4" ISO 2037, or DN15 DIN11850-R1 or R2, or 3/4" BPE US
- Clip-on: 3/4" ISO 2037, or DN15 DIN11850-R1 or R2, or 3/4" BPE US

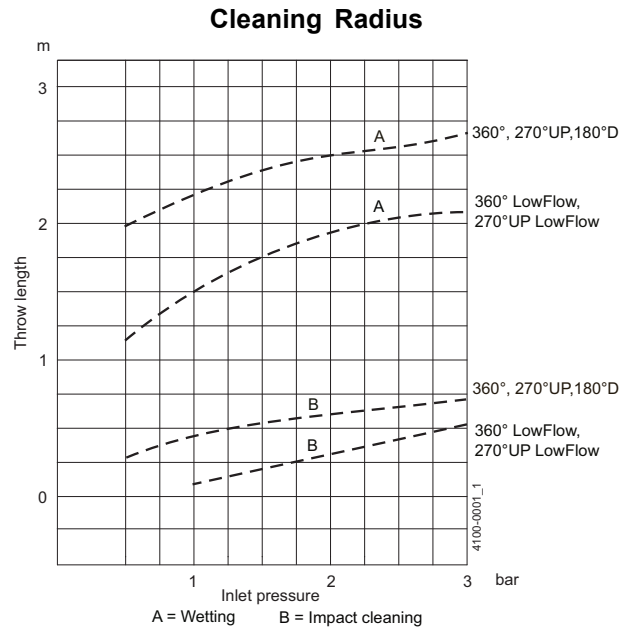
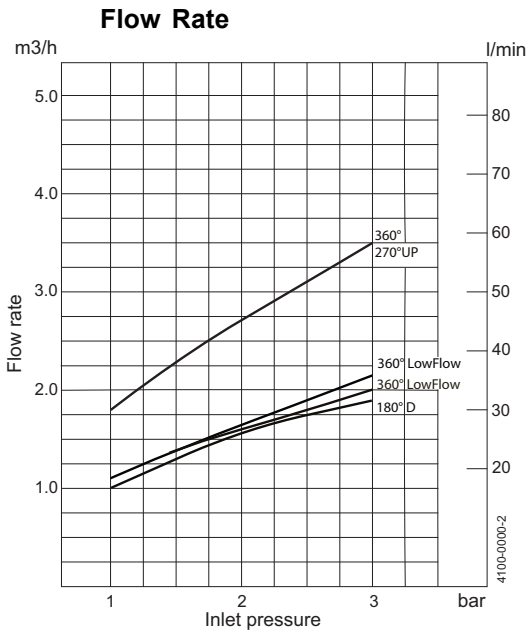
Caution

Avoid hydraulic shock, hard and abrasive particles in the cleaning liquid, as this can cause increased wear and/or damage of internal mechanisms. In general, a filter in the supply line is recommended. Do not use for gas evacuation or air dispersion. For steaming we refer to the manual.

Qualification Documentation

Documentation specification

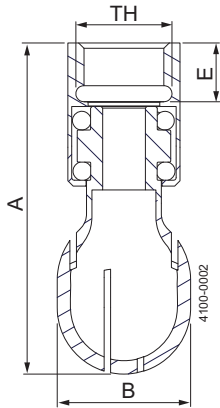
Q-doc	Equipment Documentation includes: <ul style="list-style-type: none">- EN 1935/2004 DoC- EN 10204 type 3.1 inspection Certificate and DoC- FDA DoC- GMP EC 2023/2006 DoC- EU 10/2011 DoC- ADI DoC- QC DoC
ATEX	ATEX approved machine for use in explosive atmospheres. Category 1 for installation in zone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



For Clip-on models, the flow rate is increased by approx. 0.2 m³/h

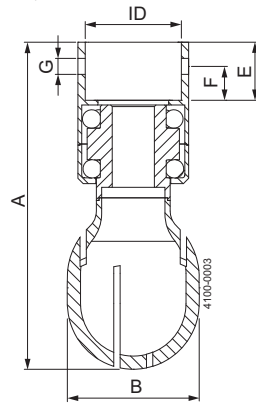
Dimensions (mm)

Thread



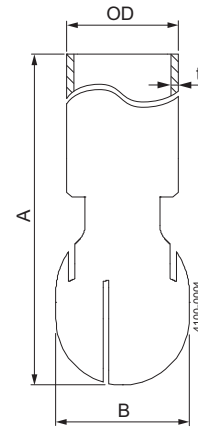
TH
3/8" Rp (BSP)
3/8" NPT

Clip-on



ID
ISO: $\varnothing 17.4$ mm
DIN Range 1: $\varnothing 18.2$ mm
BPE US / DIN Range 2 : $\varnothing 19.2$ mm

Weld-on



OD x t
ISO: $\varnothing 17.2 \times 1$ mm
DIN Range 1: $\varnothing 18 \times 1$ mm
DIN Range 2: $\varnothing 19 \times 1.5$ mm
BPE US: $\varnothing 19.05 \times \varnothing 1.65$ mm

Type	A	B	E	F	G
Tread	62	$\varnothing 25$	11		
Clip-on	62	$\varnothing 25$	11	5.9	$\varnothing 3.6$
Weld-on	77.5	$\varnothing 25$			

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.