



Alfa Laval SaniMidget SB UltraPure

UltraPure, Low-Flow Cleaning

Application

The Toftejorg SaniMidget SB UltraPure is designed for the pharmaceutical and biotech application with respect to self-cleaning, self-draining and inspectability. The patented one-clip assembly offers easy installation, disassembly and inspection without compromising cleanability or drainability.

Working Principles

The flow of cleaning media causes the head of the SaniMidget SB UltraPure to rotate, with fans of water laid out in a swirling pattern on the entire perimeter exposed to the spray pattern. This generates a vibrating impact in the 270° upward and 360° pattern and a dynamic cascading flow that covers internal surfaces of the tank, vessel or reactor. The SaniMidget SB UltraPure is certified according to EHEDG.



TECHNICAL DATA

Lubricant: Lubrication by rinse/cleaning fluid
 Wetting radius: Max. 3 m
 Impact cleaning radius: Max. effective 1.4 m

Pressure

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

Spray Pattern



360°



270° up

Standard Design

The SaniMidget SB UltraPure can be supplied with 3.1 certificates for metallic parts and FDA conformity and USP Class IV on non-metallic parts.

Certificates

Q-doc, Q-doc incl. FAT/SAT, EHEDG and ATEX

PHYSICAL DATA

Materials

Metallic parts: AISI 316L (UNS S31603)
 Non-metallic parts: PEEK MG
 * FDA compliance 21CFR§177
 Surface finish Ra < 0.8µm

Temperature

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

Weight: 1": 0.20 kg

Connections

- Weld-on: 1" ISO 2037, or DN25 DIN11850-R1, or 1" BPE US
- Clip-on: 1" BPE US

Clip-on options

Easy-on/off clip (ø4.0 mm). (Clip needed for both clip-on and weld-on versions to assemble the machine)

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.

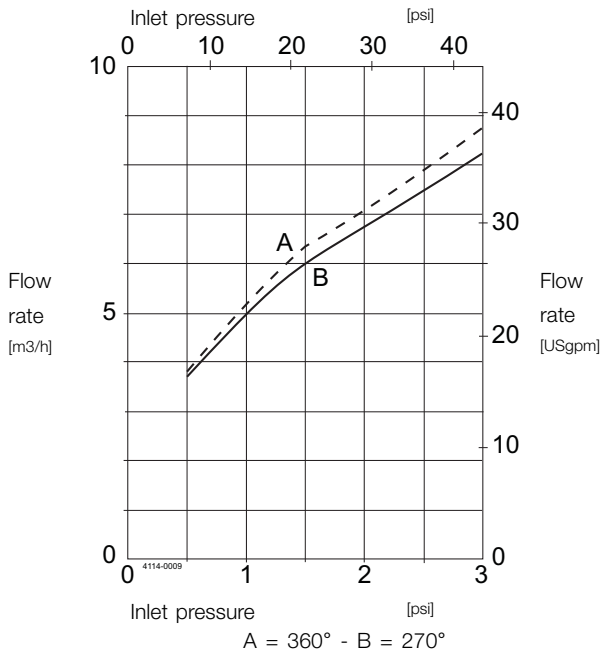


Qualification Documentation (Q-doc)

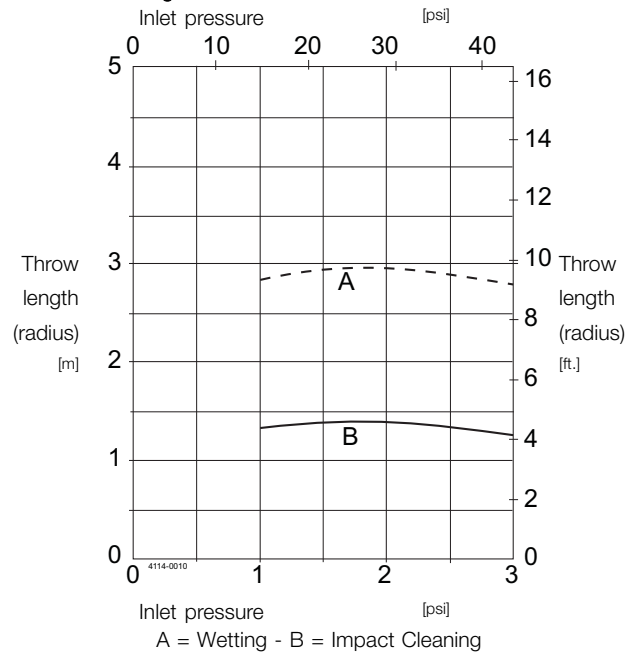
Documentation specification

	Equipment Documentation includes:
	- EN 10204 type 3.1 Material Inspection certificate
Q-doc	- USP Class VI 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.
	Qualification Documentation includes
	- Q-doc: 3.1 , USP Class VI, FDA, ADI (TSE) and QC Declaration of Conformity
Q-doc +	- RS, Requirement Specification
FAT-SAT	- DS, Design specification incl. Traceability Matrix
	- FAT, Factory acceptance Test incl. IQ and OQ
	- SAT, Site Acceptance Test protocol incl. IQ and OQ for End-User Execution

Flow Rate



Cleaning radius

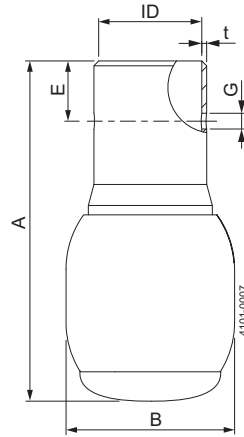


For Clip-on models, the flow rate is increased by approx. 0.5 m³/h.

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.

Dimensions (mm)



	Clip-on 1" BPE US mm	Weld-on 1" ISO 2037 mm	Weld-on 1" BPE US mm	Weld-on DN25 DIN R1 mm
ID	ø25.7	ø22.6	ø22.1	ø25.7
t	1.2	1.2	1.65	1.2
B	ø42.0	ø42.0	ø42.0	ø42.0
A	84.8	104.8	108.8	84.8
ø-clip	ø4.0	ø4.0	ø4.0	ø4.0
G	ø4.1	ø4.1	ø4.1	ø4.1
E	15.0			

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.