Sanitary, Low Flow cleaning that meets 3-A standards

Alfa Laval TJ SaniMidget SB 3-A Rotary Spray Head

Application
The Toftejorg SaniMidget SB 3-A Rotary Spray Head is preliminary designed for the pharmaceutical industry with respect to self-cleaning, self-draining and inspectability. Its novel patent pending one-clip assembly offers easy installation, disassembly and inspection without compromising cleanability or drainability. Sizing/selection and installation drawing are available. Contact Alfa Laval for recommendations.

Working Principles
The flow of cleaning media causes the head of the SanitMidget SB 3-A 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 pattern and a dynamic cascading flow that covers internal surfaces of the tank, vessel or reactor. The SanitMidget SB 3-A is designed according to EHEDG and GMP Guidelines.

TECHNICAL DATA

Lubricant: Lubrication by rinse/cleaning fluid
Wetting radius: Max. 3.6 ft
Impact cleaning radius: Max. effective 4.6 ft

Pressure
Working pressure: 14.5-44 PSI
Recommended pressure: 29 PSI

Spray Pattern

| 360° | 270° up |

Standard design
The SanitMidget SB 3-A can be supplied with 3.1 certificates for metallic parts and 3-A conformity*** on its plastic part. The SanitMidget SB/UltraPure is also available with Alfa Laval Q-doc.

*** = Implies that the material complies with FDA 21 CFR.

Certificates
2.2 material certificate and EHEDG and 3-A
As add-on: 3.1 material certificate and ATEX.

PHYSICAL DATA

Materials
Metallic parts: AISI 316L (UNS S31603)
Non-metallic parts: PEEK 450G
Surface finish: Ra < 3μm
Steam or gas (air): Not supported - contact Alfa Laval

Weight:
1" : 0.44 lbs / 1/2" : 0.97 lbs

Temperature
Max. working temperature: 203°F
Max. ambient temperature: 284°F

Connections
- Weld-on: 1" ISO 2037, or DN25 DIN 11850-R1, or 1" BPE US
- Clip-on: 1 1/2" ISO 2037, or 1" or 1 1/2" BPE US

Clip-on options
Easy-on/off clip (0.16 inch). Clip needed for both clip-on and weld-on versions to assemble the machine.
For Clip-on models, the flow rate is increased by approx. 132.1 gal/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 into consideration and the water temperature during testing was approx. 68°F.

Dimensions (inch)

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<tr>
<th>Clip-on 1&quot; BPE US</th>
<th>Clip-on 1½&quot; BPE US/1¼&quot; ISO 2037</th>
<th>Weld-on* 1&quot; BPE US</th>
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<th>Weld-on* DN25 DIN 1.1</th>
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* Weld-on version only meets the requirements of the 3-A Sanitary Standard 78-01 if installed according to the user manual.

** Third Party Verification shows that this machine meets the requirements of the 3-A Sanitary Standard 78-01.