

# Hygienic, 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 SaniMidget 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 SaniMidget SB 3-A is designed according to EHEDG and GMP Guidelines.



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

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

**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 < 0.8µm  
 Steam or gas (air): . . . . . Not supported - contact Alfa Laval

**Weight:** . . . . . 1" : 0.20 kg / 1½": 0.44 kg

**Temperature**

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

**Connections**

- Weld-on: 1" ISO 2037, or DN25 DIN11850-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 (ø4.0 mm). Clip needed for both clip-on and weld-on versions to assemble the machine.