

# Self-Washing Hygienic Tank Cleaning System

## Stringent Quality Standards

### Bio 50

The Scanjet Bio 50 rotating jet-head from AaquaTools is a hygienic tank cleaning machine that provides 360° coverage within a given tank or process vessel that out-reaches and out-cleans any other rotating jet-head in its class. The Bio 50 is self-powered by the flow of the fluid through the inlet cone of the machine. An increase in pressure and flow will correspondingly increase the length of the jet and impact upon the tank or vessel surfaces. The Bio 50 employs exclusive self-washing features that allows itself to be completely covered and has been certified in rinse validation protocols such a riboflavin rinse validation and yogurt washing trials.

The Bio 50 4 nozzle automated tank cleaning machine constructed of 316 stainless steel and other highly corrosion resistant materials. The

Bio 50 advanced tank cleaning machine was specially developed for food and dairy, pharmaceutical, chemical processing, transportation, beverage where self-washing, low fluid consumption and hygienic design is required.

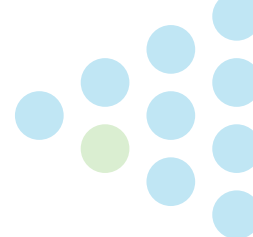


### Features

- Hygienic rotary jet-head
- Self-cleaning
- Microbiological quality assurance
- Works consistently 24/7
- Impacts and cleans all surfaces within a guaranteed time and flow rate

### Benefits

- Certified in rinse validation protocols; exceeds hygiene standards
- No operator input, improves worker safety
- Optimizes food and beverage outputs
- Reduces capital investment
- Low fluid consumption, reduces utilities



## Specifications

<b>Class</b>	Rotating Jet-Head
<b>Drive</b>	Integrated turbine
<b>Flow Rate</b>	0-114 m3/hr (0-590 gpm)
<b>Temperature</b>	up to 140°F (284°C)
<b>Pressure</b>	2-12 bar (30-175 psi)
<b>Spray Coverage</b>	0-69' (0-21m) radius
<b>Cleaning Cycle</b>	11.5-15.5 minutes
<b>Turning Radius</b>	11.90" (302 mm) operating
<b>Nozzles</b>	4
<b>Spray Pattern</b>	360°
<b>Inlet Connections</b>	2.00" NPT(F) and 2.00" BSP(F); others on request
<b>Insertion Opening</b>	7.87" (200 mm)
<b>Lubricant</b>	Cleaning media
<b>Installation</b>	Fixed
<b>Materials</b>	AISI 316, PTFE, PEEK, Tungsten, Al2O2
<b>Weight</b>	15.4 lbs (7 kg)
<b>Approvals</b>	EHEDG, USDA Meat and Poultry, ASME
<b>Warranty</b>	One year limited warranty

## Ordering Information

<b>Bio 50</b>	ScanJet tank cleaning rotary jet-head
---------------	---------------------------------------

The Bio 50 tank cleaning device leads the market in concern for hygienic self-cleaning design. Particular attention is paid to self-cleaning features of the machine body on the Bio 50 rotary jet-head...considered a first in the world of tank cleaning machine design. The benefits of this attention to detail are that, unlike competing devices, no additional nozzles/ attachments or operator input is required in order to ensure the unit is itself clean at the end of the CIP cycle. Internal design is based on internationally recognized EHEDG guidelines which avoids bug traps and ensures self-draining.

Regardless of if the tanks contain anything from wine, soups, mayonnaise or yogurt the Bio 50 will be able to impact and clean all surfaces within a guaranteed time and flow rate.

## Standards

The Bio 50 is produced in accordance to stringent quality standards and meets or exceeds ISO 9001 International Quality Standards as well as conforming to the cGMP as detailed by the United States FDA (Food and Drug Administration and EHEDG (European Hygienic Equipment Design Group).

## Typical Applications

food & dairy process vessels, beverage storage tanks liquid sugar, fruit juice, syrup tanks, pharmaceutical batch process vessels, chemical processing vessel and reactors, transportation & storage.

## Typical Cleaning Methods

- Fixed Installed CIP Systems
- Multi-Tank Solution Recovery
- Single Use/Single Pass
- Single Use/Recirculatory



### AquaTools, Inc.

3233 Fitzgerald Road, Ste. B  
Rancho Cordova, CA 95742

Toll-free: 800.777.2922

Direct: 916.635.2922

Fax: 916.635.8856

info@aaquatools.com

www.aaquatools.com

P/N Bio-50\_V1 - 01/14

© 2014 AquaTools, Inc. – All rights reserved.