



**AaquaTools**  
water driven products & solutions

wine & food processing



## Self-Washing Hygienic Tank Cleaning System

### BIO 25

The Scanjet Bio 25 rotating jet-head from AaquaTools is a hygienic tank cleaning machine that provides 360° coverage within a given tank or process vessel that is superior to that of any other rotating jet-head in its class. The Bio 25 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 25 employs exclusive self-washing features that allows itself to be completely covered and has been certified in rinse validation protocols such as riboflavin rinse validation and yogurt washing trials.

- 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

## Specifications

Class	Rotating Jet-Head
Drive	Integrated turbine
Gear Ratio	47/49
Flow Rate	0-220 gpm (0-50 m <sup>3</sup> /hr)
Temperature	35-203°F (1.67-95°C)
Pressure	0-175 psig (0-12 bar)
Spray Coverage	0-69' (0-21m) radius
Cleaning Cycle	11.5-15.5 minutes
Turning Radius	11.90" (302 mm) operating
Nozzles	4
Spray Pattern	360°
Inlet Connections	Standard 1.50" NPT(F); BSP(F)
Insertion Opening	7.87" (200 mm)
Lubricant	Cleaning media, self-lubricating
Installation	Portable and fixed
Materials	316LSS; PEEK; PTFE; others
Weight	18 lbs (8.3 kg)
Approvals	EHEDG, USDA Meat and Poultry, ASME
Warranty	One year limited warranty

## Ordering Information

Bio 25	ScanJet tank cleaning rotary jet-head
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The Bio 25 is a 1.50 inch (38.1 mm) 4 nozzle automated tank cleaning machine constructed of 316 stainless steel and other highly corrosion resistant materials. The Bio 25 has a fixed to moving gear ratio of 47 to 49 allowing it to produce a homogenous 360° spray pattern.

Bio 25 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.

The Bio 25 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 25 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 25 will be able to impact and clean all surfaces within a guaranteed time and flow rate.

## Standards

The Bio 25 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 Cleaning Methods

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