

Automated Tank Cleaning System with Integrated Turbine

Highly Corrosion Resistant

SC15TW2

The Scanjet SC15TW2 rotating jet-head from AaquaTools is a 1.50" dual nozzle automated tank cleaning machine constructed of 316L stainless steel and other highly corrosion resistant materials. The SC15TW2 has a fixed to moving gear ratio of 47 to 49 allowing it to produce a homogenous 360° pattern that is superior to that of any other rotating jet head in its class.

The SC15TW2 is classed as a rotating jet-head with an integrated turbine drive and employs an adjustable turbine and flow through gearbox. The adjustable turbine allows the rotation speed of the SC15TW2 to be adjusted without the need of changing costly stators and/or gearing found in other similar cleaning devices in its class.

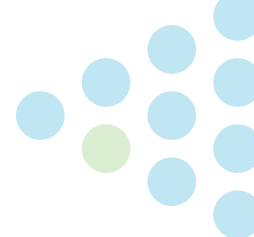


Features

- Rugged construction
- Adjustable turbine
- Exceptional jet lengths
- Easy maintenance
- Gigantic flow rate
- Optimized cycle times
- Flow through gearbox

Benefits

- Stainless steel and corrosion resistant
- Allows the rotation speed to be adjusted without the need of changing costly stators and/or gearing
- Ideal for large tanks up to 40 feet in diameter
- Unit can be serviced without removal from the tank and without loss of tank liquid or gas contents
- Produces massive impingement cleaning results



Specifications

Class	Rotating Jet-Head
Drive	Integrated turbine
Gear Ratio	47/49
Flow Rate	0-178 gpm (0-40.42 m ³ /hr)
Temperature	35-203°F (1.67-95°C)
Pressure	0-300 psig (0-20.69 Bar)
Spray Coverage	10-64' (3-19.5m) radius
Nozzles	2
Cleaning Cycle	5-45 minutes
Turning Radius	5.2165" (132.5 mm) operating
Spray Pattern	360°
Inlet Connections	Standard 1.5" NPT(M) and 1.5" BSP(M); 1.5" Camlock part A; flange
Insertion Opening	6.6185" (168.11 mm)
Lubricant	Cleaning media, self-lubricating
Installation	Portable and fixed
Surface Finish	>25 Ra microinch (external)
Materials	316LSS; PEEK; PTFE; Others
Weight	20 lbs (9.09 kg)
Approvals	DNV, Lloyds, DOT, ASME, USCG, ANS
Warranty	One year limited warranty

Ordering Information

SC15212051000-00	2 x 5 mm	1.50" NPT(M)
SC15212061000-00	2 x 6 mm	
SC15212071000-00	2 x 7 mm	
SC15212081000-00	2 x 8 mm	
SC15212091000-00	2 x 9 mm	
SC15212101000-00	2 x 10 mm	
SC15212111000-00	2 x 11 mm	
SC15212121000-00	2 x 12 mm	
SC15222051000-00	2 x 5 mm	1.50" BSP(M)
SC15222061000-00	2 x 6 mm	
SC15222071000-00	2 x 7 mm	
SC15222081000-00	2 x 8 mm	
SC15222091000-00	2 x 9 mm	
SC15222101000-00	2 x 10 mm	
SC15222111000-00	2 x 11 mm	
SC15222121000-00	2 x 12 mm	
SC15232051000-00	2 x 5 mm	1.50" Camlock Part A
SC15232061000-00	2 x 6 mm	
SC15232071000-00	2 x 7 mm	
SC15232081000-00	2 x 8 mm	
SC15232091000-00	2 x 9 mm	
SC15232101000-00	2 x 10 mm	
SC15232111000-00	2 x 11 mm	
SC15232121000-00	2 x 12 mm	
Trolley	ScanJet SC15TW2 trolley	

The SC15TW4 rotary jet head provides 360° indexed impact cleaning over a defined time period. It is automatic, pre-programmed and produces a set cleaning pattern based on the location within a given tank.

The flow of the cleaning fluid makes the nozzles perform a geared rotation around the vertical and horizontal axis. In the first cycle, the nozzles lay out a coarse pattern on the tank surface. The following cycles make the pattern gradually denser until a full pattern is reached. This time will vary depending upon the configuration of the machine and the pressure/flow in which the machine is operated.

The choice of nozzle diameters can optimize jet impact length and flow rate at the desired pressure. Alternative thread connections available on request.

Quality Control, Compliances & Certifications

The SC15TW2 is produced in accordance with ISO 9001 Quality Standards and our certificate of conformity and accreditation is available on request. Additionally, the SC15TW2 conforms to United States ASME standards for construction and is type approved by DNV, ABS, and Lloyds.

Typical Applications

Road and rail tanker cleaning, portable cleaning for contractors, fermentation tanks and process vessels, ship cargo tanks, barge tank cleaning, offshore drilling; mud pit tank cleaning and other drilling fluid tanks, wine storage tanks and fermenters, brewery storage tanks and fermenters.

Accessories



ScanJet SC15TW4 Trolley

AaquaTools
water-driven products & solutions

AaquaTools, 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

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