



SANI-MATIC

IBC Wash: Critical Cleaning Solution for IBCs, Totes and Tablet Bins.



The Sani-Matic IBC Wash consistently and safely washes IBCs, totes, tablet bins and other vessels that contain hazardous and non-hazardous compounds. The IBC Wash meets cGMP and ASME-BPE standards.



The Sani-Matic IBC Wash accommodates a variety of IBC sizes, protects operators and maintains features that ensure a complete clean, every time.

Advantages

- **Validation.** Designed to meet validation requirements. Extensive documentation and comprehensive process monitoring is provided.
- **Complete Clean.** Our exclusive, vertically controlled interior spray device automatically adjusts to accommodate varied IBC heights, and a rotating spray arm cleans the IBC's exterior and wash chamber's interior. Proof of rotation sensors and radiused corners ensure a complete clean.
- **Easy to Use.** The rotating sprays contain non-threaded, ¼ turn spray nozzles for easy removal and cleaning. The Rack Systems are easy to load and transport. Clean-side sample station for quick testing is available.
- **Safety.** Inflatable door gaskets maintain watertight barrier.

Industry Standard Compliance

- Current FDA Good Manufacturing Practices (cGMP), CFR Title 21, Part 820
- Good Automated Manufacturing Practices (GAMP 5)
- Underwriters Laboratory (UL): Controls, Standard 508
- ASME/BPE

Applications



Intermediate Bulk Containers (IBCs)

Documentation

Standard

- Operation and maintenance manuals
- Recommended spare parts list
- Instrument lists
- Instrumentation calibration procedures
- Performance data
- Material qualifications
- Weld qualification and inspection records
- Surface finish certificate
- Inspection test results, reports and certificates
- Component catalog cut sheets
- As-built assembly drawings
- As-built process and instrumentation diagrams
- As-built electrical drawings
- PLC and HMI application files
- ASME data for heat exchanger

Optional

- Functional Specifications (FS)
- Configuration Specification (CS)
- Factory Acceptance Test (FAT)
- Site Acceptance Test (SAT)
- Installation and Operation Qualification (IQ/OQ)
- Traceability matrix
- ISA data sheets
- Digital weld video record (Borescope)
- Hydrostatic test certificate
- Cleaning and passivation certificate
- ASME data for solutions tank
- Riboflavin coverage test

Standard Features

Chamber

- Wetted 316L stainless steel, 25 Ra
Non-wetted 304 stainless steel, 32 Ra
- Full radiused corners for self-cleaning
- Wash chamber LED light

Chamber Doors

- 316L stainless steel and tempered safety glass
- Pneumatically inflated door gasket
- Safety interlocks prevent inadvertent door operation

Control System

- Allen-Bradley CompactLogix with PanelView Plus HMI
- Forty (40) user-defined recipes
- Recipes can be modified for function, cycle times, temperatures and other key cycle parameters
- Three password protected levels of access
- Utility and maintenance screens on operator interface
- Ethernet port for connection to facility network
- VFD control

Chamber Spray System

- The rotating sprays provide maximum coverage of all load items and eliminate coverage dead spots
- Proof of rotation sensors
- Non-threaded, ¼ turn removable nozzles
- Solution distribution connection for rack system

Debris Screen

- Large, easy-to-clean stainless steel 30 mesh screens are located above the sump in the wash chamber

Solution Supply

- External CIP system is included to supply solution to washer

Solution Heater

- Steam heat

Drying System

- External dryer system included for precise moisture control
- Heated air is controlled to a set point temperature
- Steam heat

Chemical Delivery

- Two pumps provide accurate dosage of chemicals
- Ready access pump and containers for easy maintenance

Process Monitoring for Repeatable Cleaning

- PLC-controlled cycle times with adjustable recipe set points
- Pressure is maintained at pump discharge
- Solution flow verification
- Heated air is controlled at the discharge of the dryer
- Differential pressure is monitored on the HEPA filter
- Conductivity probes control chemical concentrations and prove final rinse
- Solution temperature is monitored in the CIP supply and return

Maintenance Access

- Sealed doors eliminate room air balance issues

Manifolds

- Diaphragm valves are used in all sanitary lines
- All elastomers are USP class VI and FDA approved

Pump

- Sanitary centrifugal pump. Casing drain allows for complete drainage

Voltage

- 480V, 3-Phase, 60 Hz

Loading

- Floor-mounted design
- Pit-mounted design

Optional Features

- Two door, pass-through design
- Seismic design
- Fascia panels for recessed installation
- Effluent cooling system
- Remote chemical supply
- 20 Ra finish
- Electropolish
- Passivation
- Custom cabinet dimensions
- Printer
- Sample station
- Sani-Matic Start-up Services

Controls

- Allen-Bradley ControlLogix
- Siemens

Voltage

- 230V, 3-Phase, 60 Hz

Standard Feature Highlights



- Vertically descending spray arm cleans IBC's interior.
- Pass-through doors for dirty- and clean-side configuration.
- Rotating spray arm circles the IBC's exterior for a complete clean.



We mix our industry-specific expertise with the perfect combination of Time, Action, Chemical and Temperature to deliver the best solution for your cleaning challenge.



Cleaning Confidence.

Repeatable results you can count on every time you clean your process parts and equipment.
That's Cleaning Confidence from Sani-Matic.



SANI-MATIC®

animatic.com

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