



SANI-MATIC®

TactiWash™: Pharmaceutical Grade Glassware and Small Parts Washer.



The Sani-Matic TactiWash is a line of freestanding, fully automatic and programmable glassware and small parts washers and dryers designed to effectively clean small items. The TactiWash meets cGMP and ASME-BPE standards.



The **Sani-Matic TactiWash** is an easy-to-use, safe and automated line of washers and dryers you can trust to give you a complete clean.

Advantages

- **Validation.** Designed to meet validation requirements. Extensive documentation and comprehensive process monitoring is provided.
- **Complete Clean.** The TactiWash provides full, documentable cleaning coverage with multiple rotating sprays, proof of rotation sensors, radiused corners and custom-designed racks with a solution distribution connection.
- **Easy to Use.** The rotating sprays contain non-threaded ¼ turn spray nozzles for easy removal and cleaning. The Rack-on-Cart Systems are easy to load and transport. Clean-side sample station for quick testing is available.
- **Drying.** Complete dryer system is designed for precise and efficient moisture control.
- **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

Dedusters / Tablet Press Parts



Glassware



Filter Housings



Scoops



Hoses



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

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 Heater

- Flow-through electric or steam for a more sanitary design than heating elements located in the sump

Drying System

- Single high-capacity blower with heater and HEPA drying filter
- Accessible HEPA filter and test ports for easy validation
- Heated air is controlled to a set point temperature

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 sump and pump discharge

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

Optional Features

- Two door, pass-through design
- Seismic design
- Fascia panels for recessed installation
- Effluent cooling system
- Once-through final rinse system
- Remote chemical supply
- 20 Ra finish
- Electropolish
- Passivation
- Custom cabinet dimensions
- Printer
- VFD control
- Sample station
- Custom 3-D designed racks and transfer carts
- Sani-Matic Start-up Services

Controls

- Allen-Bradley ControlLogix
- Siemens

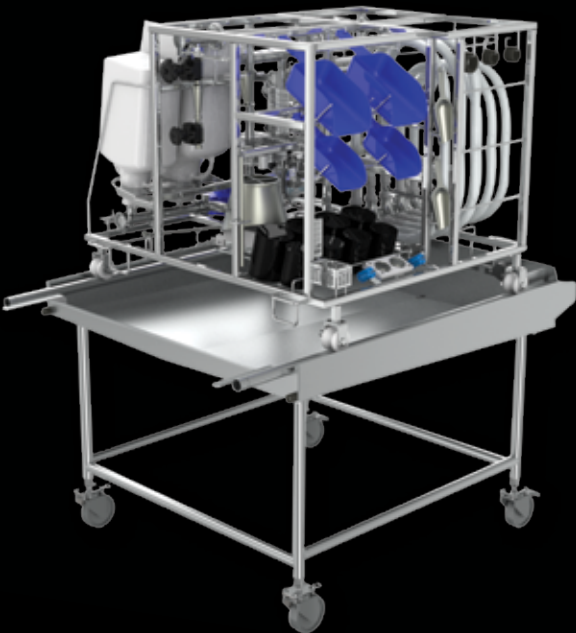
Dryer Heat

- Steam

Voltage

- 230V, 3-Phase, 60 Hz

Rack-On-Cart System



- **Designed for your process.** Custom rack systems are designed by 3-D modeling individual process items to provide defined part arrangement, ensuring optimum placement for validatable cleaning.
- **Active Rack Systems.** A solution distribution connection is built into the rack for a targeted spray.
- **Safety.** Transfer carts assist operators with easy and safe process part handling.

Wash Chamber Dimensions

Model	Wash Chamber (W x H x D)	Usable Chamber Capacity (cu. Ft)
2600	34" x 40" x 34"	26.8
3400	52" x 34" x 34"	34.8
4900	52" x 34" x 48"	49.1
6900	52" x 48" x 48"	69.3



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®

sanimatic.com

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