



SANI-MATIC®

PharmiCab™: High-Throughput Capacity Washer Cleans Entire Suite in One Load.



The Sani-Matic PharmiCab is an automated cabinet washer engineered for critical cleaning. Its high-throughput capacity allows bio-pharm manufacturers to clean an entire manufacturing suite — including dedusters, scoops, filter housings, fittings, pill slats, encapsulation parts and drums — all in one load. The PharmiCab meets cGMP and ASME-BPE standards.





The **Sani-Matic PharmiCab** is custom designed for each bio-pharm manufacturer's process to ensure all process parts receive a validatable clean, every time.

Advantages

- **Validation.** Designed to meet validation requirements. Extensive documentation and comprehensive process monitoring is provided.
- **Complete Clean.** The PharmiCab provides full, documentable cleaning coverage with multiple rotating and oscillating sprays, proof of rotation sensors, radiused corners and custom-designed racks with solution distribution connection.
- **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

Dedusters / Tablet Press Parts



Pill Slats



Filter Housings



Encapsulation Parts



Drums



Fittings



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 & 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
- Custom 3-D designed racks and transfer carts
- Sani-Matic Start-up Services

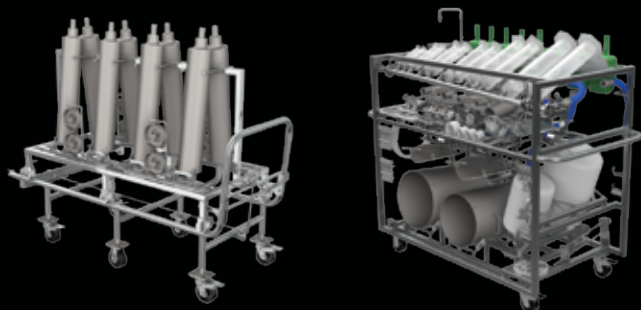
Controls

- Allen-Bradley ControlLogix
- Siemens

Voltage

- 230V, 3-Phase, 60 Hz

Rack Systems



- **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 and roll-in racks assist operators with easy and safe process parts handling and transporting.



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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