



SANI-MATIC®

Vat Wash: Thorough, Efficient Cleaning of Vats, V-mag Buggies and More.



The Sani-Matic Vat Wash completely cleans the interior and exterior surfaces of large vats, bins, plastic combos and V-mag buggies with its exclusively designed rotating spray bars.





The Sani-Matic Vat Wash provides a complete and repeatable clean of the vat's interior and exterior, while enhancing worker safety and generating significant labor savings.

Advantages

- **Complete Clean.** Sani-Matic's exclusively designed rotating spray bars evenly distribute cleaning solution and the inverting door carriage allows for a complete clean of the vat's interior and exterior.
- **Repeatable Results.** Consistent results from a controlled, documented cleaning process.
- **Safety.** Easy loading and unloading with built-in door ramp and inverting door carriage. Washer minimizes operator exposure to high temperatures and strong concentrations.
- **Chemical, Water and Utility Savings.** Washer's dual reservoir design utilizes a re-use process to reduce chemical, water and utility consumption. Optional conveyORIZED strainer reduces the amount of chemicals required to remove soils.

Industry Standard Compliance

- UL 508A
- ANSI/ISA-88 Batch Control
- Authorized to Provide Canadian Registration Numbers (CRN)
- Helps Meet FSMA and HACCP Sanitation Preventive Controls



Left: The compact single-position buggy washer allows closer location to production

Right: Synchronized rotating spray arms clean the vats' interior and exterior

Applications

Stainless Steel Vat



Plastic Combo



Buggy



Features

Standard

- Single- and dual-position washers
- Three- to five-minute typical cycle time
- Stainless steel construction
- Door carriage with hold-downs and ramp for floor loading
- Gear-driven spray manifolds
- High-impact, 360° spray nozzles including directional sprays to the bottom of vats and buggies
- Two-stage, solution straining system for heavy soil capture in the sump and fine particulate capture in the pump discharge
- Pre-piped centrifugal supply pump
- Automatic temperature and water level controls with alarm and shutdown
- Direct steam injection heating system
- PLC controls with control interface and indicator lights
- Automatic final rinse control

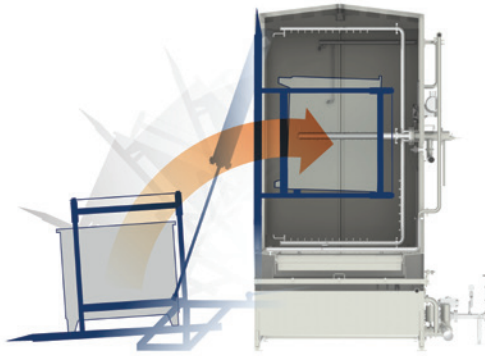
Optional

- Automatic detergent injections/concentration control
- Automatic sanitizer injection system
- Motor starter/disconnect with cabinet-mounted enclosure
- Indirect (steam coil) heating
- ConveyORIZED strainer scraper
- Exhaust fan
- Load area barrier
- Sani-Matic Start-up Services

How it Works

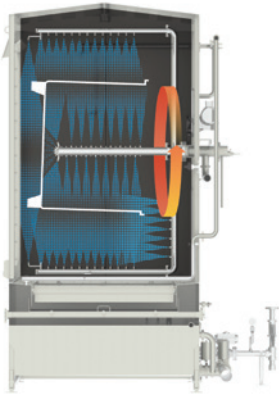
1. Controls

All cleaning steps are controlled by an Allen-Bradley Programmable Logic Controller (PLC). The operator is able to select and initiate automatic wash cycles from a PanelView operator interface on the control panel or a remotely located push button panel.



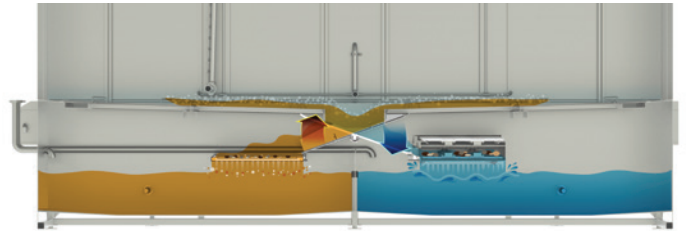
2. Loading

- The door acts as a graded ramp for easy loading.
- The door carriage assembly inverts the vats into the wash cabinet using pneumatic cylinders connected to pivot arms. The vats are inverted greater than 90° for complete cleaning coverage and drainage.



3. Rotary Spray Assembly

The spray system applies pressurized, heated water through a gear-driven rotating spray manifold with a series of nozzles. It provides 360° coverage to thoroughly clean the vat's interior and exterior.



4. Automatic Reservoir Selection

Segregated detergent and pre-rinse reservoirs save chemical costs. Recirculation allows increased flow rates, while minimizing water use. A diverter plate provides automatic reservoir selection.

Cycle Steps

1. Pre-Rinse Step

- The pre-rinse cycle removes heavy soils prior to the detergent cycle. This step reduces the amount of chemicals needed to remove soils.
- Water recovered from the previous final rinse cycle is drawn from the reservoir tank, heated, and recirculated using a sanitary centrifugal pump.

3. Final Rinse Step

- The final rinse cycle uses fresh water through a separate final rinse manifold and nozzle system for complete coverage of interior and exterior surfaces. Final rinse water is diverted to the pre-rinse reservoir to freshen the water for the next pre-rinse cycle.
- Soil is diverted over the tray strainer in the detergent reservoir for removal.

2. Wash Step

- Detergent cleaning is initiated through the rotating spray assembly and operates for a preprogrammed cycle.
- Detergent is continuously heated and recirculated, saving chemicals and ensuring a consistent repeatable process.

Cleaning Confidence.

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



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