



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, carts, 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-rinse process to reduce chemical, water and utility consumption. Optional conveyORIZED strainer reduces the amount of chemicals required to remove soils.



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



Synchronized rotating spray arms clean the vats' interior and exterior

Applications

Stainless Steel Vat



Plastic Combo



Trash Cart



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

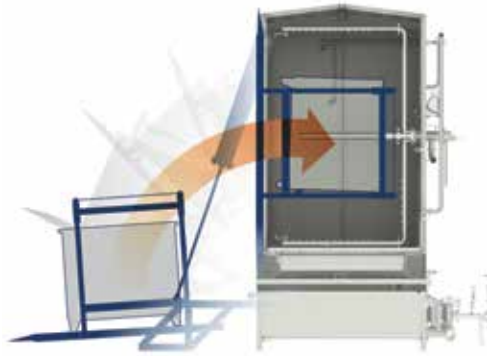
Optional

- 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

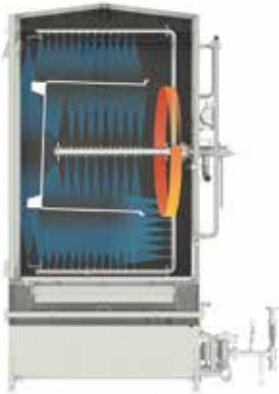
1. Controls

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.



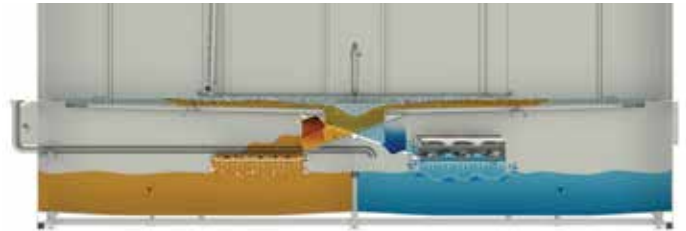
2. Loading

- 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.

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.

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.

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

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