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SANI-MATIC®

Immersion Parts Washers: Thorough Cleaning, Repeatable Results.



Sani-Matic Immersion Parts Washers are Clean-Out-of-Place (COP) systems designed to be an efficient alternative to labor-intensive, unreliable manual cleaning. The washer generates consistent and repeatable results and meets cGMP and ASME BPE standards.



Sani-Matic Immersion Parts Washers are Clean-Out-of-Place (COP) systems designed to efficiently clean disassembled bio-pharm manufacturing process parts while minimizing cycle time and promoting worker safety.

Advantages

- **Increased Productivity.** Reduces labor costs and costs associated with improper cleaning.
- **Component Preservation.** Reduces component handling and risk of damage to critical process parts.
- **Hygienic Design.** Radiused corners, diaphragm valves, and 316L stainless steel construction meets ASME BPE Immersion Washer Standards.
- **Complete Clean.** High-velocity turbulence is generated with specially manufactured sanitary jet manifolds.
Note: The Sani-Matic Ultrasonic Immersion Parts Washers use cavitation bubbles induced by high frequency pressure (sound) waves for cleaning.
- **Safety.** Allows higher temperatures and stronger concentrations with minimized operator exposure.

Industry Standard Compliance

- FDA Current Good Manufacturing Practices (cGMP), CFR Title 21, Part 820
- Underwriters Laboratory (UL): Controls, Standard 508
- ANSI/ISA-88 (S88) Batch Control
- Authorized to Provide Canadian Registration Numbers (CRN)
- ASME BPE Standards

Applications

Hoses



Filter Housings



Fittings, Gaskets & Clamps



Features

Standard

- 316L stainless steel construction, 25 µin Ra
- Sanitary jet manifolds
- Radiused corners
- Hinged cover
- Complete documentation to comply with regulatory standards and validation requirements
- Standard sizes include (inner dimensions):
 - UW=20" W x 18" D
 - RW=24" W x 22" D
 - PW=24" W x 30" D
 - BW=30" W x 30" D
 - SP=Custom dimensions

Note: Sizes do not apply to ultrasonic washers

- 4-, 6-, 8-, 10-, or 12-ft. lengths

Optional

- 20 µin Ra, EP wetted finish
- End-jet manifold assembly
- Semi-automated or fully automated controls
- Conductivity sensor and controller (standard on fully automated models)
- Chemical feed equipment
- Heat source options include: in-line electric heater or shell and tube heat exchanger
- Inflatable cover gasket
- Insulated tank sidewalls
- Hose cleaning manifold assembly
- Heavy-duty stainless steel casters
- Manual diaphragm valve cleaning manifold
- Custom fixtures and racks
- Flow meter
- Custom tank sizes

Manual to Fully Automated Systems o

Sani-Matic Immersion Parts Washers are designed to meet the individual process needs — from manual systems to fully automated.

Fully automated systems are PLC controlled and have an HMI to provide recipe selection and operation monitoring. The following capabilities can be fully automated:

- Cycle times and cycle steps
- Water fill level
- Chemical addition
- Temperature control
- Flow control and draining operations
- Final rinse verification
- Alarm monitoring
- Cycle report



Ultrasonic Immersion Parts Washers o

Sani-Matic Ultrasonic Immersion Parts Washers are designed specifically for the pharmaceutical and biotechnology industries.

Transducers generate high-frequency vibrations to dislodge soils and reach hard-to-clean crevices.

The Sani-Matic Ultrasonic Immersion Parts Washer features:

- Tubular transducers with tri-clamp connections for easy maintenance
- 25 kHz or 40 kHz
- Remote mounted high voltage panel and chemical pumps
- Sanitary valves and instrumentation
- 316L stainless steel component support racks
- Fully enclosed construction
- 58-gallon tank. Usable inside tank dimensions: 40" W x 16" D x 14" H (immersed height)



Documentation

Standard

- Operation and maintenance manuals
- Recommended spare parts (RSP) list
- Mechanical Bill of Materials (BOM)
- Instrumentation calibration records
- Material Test Reports (MTRs)
- Weld maps and weld logs (including qualification and inspection records)
- Inspection test results, reports and certificates
- Component vendor documentation
- As-built General Assembly (GA) drawings
- As-built Process and Instrumentation Diagrams (P&ID)
- As-built electrical drawings

Optional

- Functional Specifications (FS)
- Configuration Specification (CS)
- Factory Acceptance Test (FAT)
- Site Acceptance Test (SAT)
- Installation and Operation Qualification (IQ/OQ)
- Traceability matrix
- Instrument data sheets
- Borescope Inspection Video
- Hydrostatic test certificate
- Cleaning and passivation certificate
- Riboflavin coverage test

Accessories



Immersion Parts Baskets are designed to hold disassembled process parts, decreasing damaged and lost parts.

General Load Immersion Parts Baskets are used for geometrically simple parts and non-process contact surface components where repeatable part orientation is not critical.



URWB-2



URWB-5-17



URWB-6-24



URWB-7-29

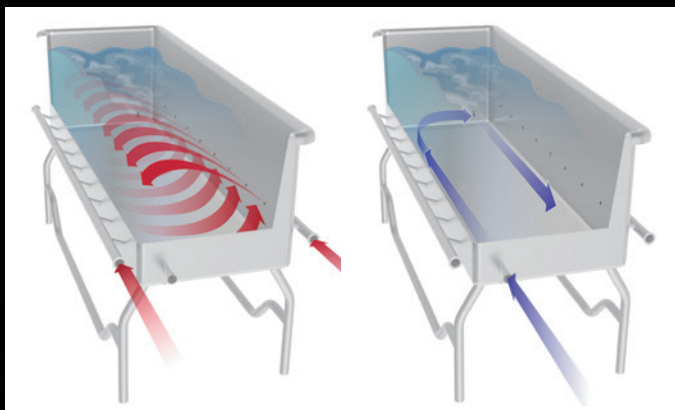
Designed Load Immersion Parts Baskets provide repeatable cleaning results for geometrically complex parts by configuring part orientation.



Sanitary Jet Technology



Sanitary Jet Manifold



Red Flow: Angled side jets
create side-to-side flow

Purple Flow: Opposing end jets
create longitudinal flow to
clean piping

Each Sani-Matic Immersion Parts Washer comes with our exclusively designed sanitary jet manifolds. They are fully welded and machined to eliminate unsanitary crevices – and create consistent, high-velocity jet flow. The angled side jets create turbulent side-to-side flow, while end jets create a longitudinal flow that is ideal for cleaning pipes and hoses. Selector valves allow easy jet flow changeover.



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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