



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

- **Designed for Bio-Pharm.** The Immersion Parts Washer maintains radiused corners for cleanability, is designed with diaphragm valves and constructed of 316L stainless steel.
- **Complete Clean.** High-velocity turbulence is generated with specially manufactured sanitary jet manifolds. This agitates and cleans soiled pipes, hoses and disassembled machine parts.
Note: The Sani-Matic Ultrasonic Immersion Parts Washers use sound waves to provide a complete clean.
- **Component Preservation.** Reduces component handling and risk of damage to critical process parts.
- **Safety.** Allows higher temperatures and stronger concentrations with minimized operator exposure.
- **Savings.** Reduces labor costs and costs associated with improper cleaning.

Applications

Hoses



Filter Housings



Fittings, Gaskets & Clamps



Sanitary Jet Technology

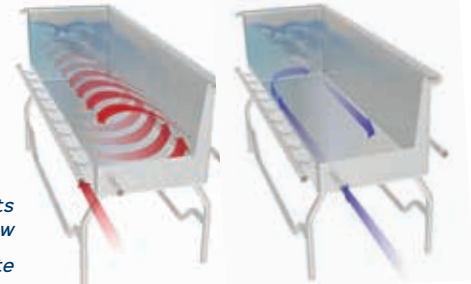
Each Sani-Matic Immersion Parts Washer comes with our exclusively designed sanitary jet manifolds. They are fully welded and machined to eliminate unsanitary crevices – and create consistent, high-velocity jet flow. The angled side jets create turbulent side-to-side flow, while end jets create a longitudinal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

Sanitary Jet Manifold



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

Purple Flow Opposing end jets create longitudinal flow to clean piping



Features

Standard

- 316L stainless steel construction, 25 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 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

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



Sani-Matic COP Baskets to Organize Parts in a Batch.

Ultrasonic Immersion Parts Washers

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 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

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
- Riboflavin coverage test

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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