

# Immersion Parts Washers: Thorough Cleaning, Repeatable Results.





**Sani-Matic Immersion Parts Washers** are Clean-Out-of-Place (COP) systems designed to efficiently clean disassembled biopharm 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



# Sanitary Jet Technology o

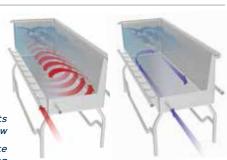
Each Sani-Matic Immersion Parts Washer comes with our exclusively designed sanitary jet manifolds. They are fully welded and machined to eliminate unsanitary crevices — and create consistent, high-velocity jet flow. The angled side jets create turbulent side-to-side flow, while end jets create a longitudinal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

Sanitary Jet Manifold





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 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



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

# **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 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.



# sanimatic.com



Greensboro Division 301 Citation Court Greensboro, NC 27409 336-393-0100

Louisville Division 4400 Bishop Lane, Suite 112 Louisville, KY 40218 502-459-7475

Nashville Division 330 Free Hill Rd, Suite B Hendersonville, TN 37075 615-822-3030

sales@mgnewell.com www.mgnewell.com



