

PARTS WASHERS FOR PRODUCTION PROCESS CLEANING

Automatic Front Load Wash Rinse Dry System with Closed Loop Wash Rinse Cycle



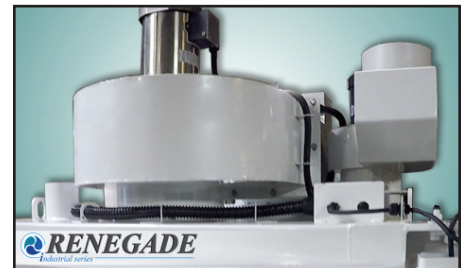
COMPONENT HIGHLIGHTS



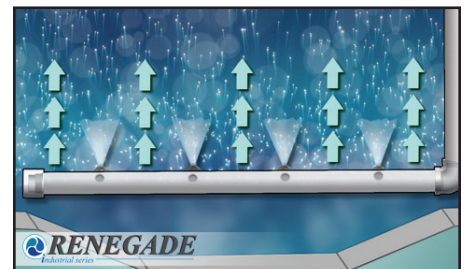
Closed Loop Wash Rinse Cycle - Pneumatic Actuator



Large, user-friendly HMI/PLC Control Panel



Dry Cycle Blower with 2 HP Stainless Steel Blower



Renegade Sump Sweep Spray Manifold directs particulates toward pump for more thorough filtration and suspends particulates to reduce sediment. Extend use of soap/water solution and reduce sediment cleanup.

DESCRIPTION

The Renegade I-Series 3048 WRD CLR Parts Washer delivers 3-stage cleaning efficiency with a Closed Loop Wash & Rinse Cycle designed for high production, repetitive cleaning operations. Configure your system with a wide range of options customized for your production process cleaning. High performance in an integrated system for increased automation. Renegade engineers assess your special cleaning challenges and custom design the system that will meet or exceed your clean spec or warranty requirements, including custom fixtures designed to provide maximum cleaning repeatability. Use Renegade Solvent-Free detergents for maximum cleaning without residue buildup

KEY FEATURES AND BENEFITS

- Wash Rinse Dry: Three-Stage Cleaning Efficiency with Pneumatic Actuator Valves for a Closed Loop Wash & Rinse Cycle.
- Large, 12.1" Touch Screen PLC/HMI Controls:
 - 7-day Timer for Heating and Skimming
 - Cycle Times & Filter Monitoring Displays
 - Low Water Warnings
 - Preset Wash & Maintenance Cycles
 - Temperature Display
 - Touch Control for Jog Turntable & Start & End Cycle
 - Debug Mode Individual Control Pumps, Valves, Heaters and more
- Maximum Heater Temperature: 185°
- Gear Driven Turntable
- ACT (Average Cycle Time) 10 minutes*
- Wash/Rinse Low Water Safety
- Ethernet Connection
- Oil Skimmer for Wash Tank
- Power Vent for Fast Steam Removal
- Spray Manifold for Custom Fixtures
- Washer Door Safety Switch
- **WASH CYCLE:** Duplex Filtration; 7.5HP Sealless Pump; 180GPM @ 43 PSI; 180 Gal. Capacity; Heater: 24KW @ 460V
- **RINSE CYCLE:** 3HP Sealless Pump; 50GPM @ 45 PSI; 40 Gal. Capacity; Heater: 12KW @ 460V
- Rinse Cycle Filtration as low as possible
- **DRY CYCLE:** 2 HP Stainless Steel Blower Heater: 24KW @ 460V
- **WASH ZONE SPECS:** 1500 Lb. Load Capacity; Wash Zone Dimensions: 30" Diameter x 48" High Machine Dimensions: 115.5" H x 92" W x 50" D

I-SERIES 3048 WRD VIDEO DEMO ▶

I-Series 3048 WRD CLR Rev. 1-2017 *Estimated average range. Cycle times will vary depending on production cell operations, part size, part shape, part weight, and product supply. Subject to changes and modifications without notice.



CALL: 800-774-7900

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PARTS WASHERS

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INDUSTRIAL APPLICATIONS

Aviation and Aircraft Parts Cleaning
Fabrication Parts Cleaning
Industrial Parts Cleaning
Machine Shop
Large Casting CNC Machining Facilities
Production Engine Shops
Production Machining Facilities
Remanufacturing Facilities
Transmission Machine Shops
Transportation Production Centers

DISCOVER THE DIFFERENCE AND LEARN WHEN CUSTOM PARTS WASHERS ARE BEST FOR YOUR PRODUCTION CELL

Manufactured by Service Line, Inc. since 1996, Renegade designs and manufactures parts washers for unique industrial process cleaning applications. With an extensive archive of successful machines, choose from our automatic top load or front load systems configured for your application.

Contact the Renegade Team if your parameters for custom design production process cleaning include one or more of the following parameters:

- Achieve Consistent Clean Specification Requirements
- Difficult Cleaning Challenges Such as Blind Holes, Tapped Holes, Delicate Features, Etc.
- Expanded Height, Length, Diameter, Or Weight - Available as Specified
- Lower Production Cycle Times
- High Pressure Requirements
- Multi-Stage Wash Rinse Dry
- Parts Washer Detergent Considerations or Requirements for Items to be Cleaned: De-Foaming, Rust Preventative, Solvent-Free, Environmental Concerns, or Health Concerns.
- Special Fixtures
- Special Proprietary Parts Cleaning and More
- Zero Contamination Requirements

Renegade will conduct a thorough analysis of your parts cleaning requirement and will create a special order system for your budget.

RENEGADE I-SERIES CUSTOM COMPONENTS AND ENHANCED FUNCTIONALITY

- Automatic Doors
- Closed Loop Rinsing Cycle
- Custom Blowers
- Custom Hot or Cold Air Quick-Dry to Prevent Flash Rusting
- Custom Parts Fixtures
- Door Interlock Safety Switch
- Filtration Systems with Finer Reduction Efficiencies to Comply with Stringent Cleanliness Specifications
- Gas Heat
- Heated Drying Cycle
- Heater Capacity Range
- Hot Water Rinse Applications
- Increased Load Capacities
- Large 12" HMI
- Oil Coalescent
- Overhead Jib Crane
- Part Tumbling Baskets
- PLC Integration of New Parts Washer To Existing Production Cell
- Power Exhaust Vent
- Pump Capacity Options
- Rinse to Drain Cycle
- Robotic Load Systems
- Rotary Part Fixture System
- Safe Touch Heat Shielding
- Specialized Gantry Cleaning Platforms for Heavy Parts That Require Special Access to The Washing Platform
- Spray Bar "Home" Positioning
- Stainless Steel Infrastructure for No-Rust Durability
- Sump Sweep Spray Manifold
- Targeted Drying
- Two-Tiered Turntables

I-SERIES 3048 WRD CLR AUTOMATIC FRONT LOAD SYSTEM CUSTOMER GOALS

VERSATILITY

- Advanced automation through PLC and HMI.

COST REDUCTION

- Automated process reducing labor cost.
- Three-stage wash, rinse, dry cycle efficiently keeps part in one system.
- Cleaned parts are more prepared for finishing.

INCREASE PRODUCTIVITY

- Quickly and efficiently clean a high volume of parts with the shortest lead time between production and final end-user installation.
- Effective process throughput improvement from reduction in human intervention.

RENEGADE PARTS WASHER DETERGENT

Renegade's history of providing parts washer solutions also includes a wide variety of **soaps and detergents** for use in parts washer systems. Renegade's experience in the industry led to the development of special non-solvent based surfactants that are both environmentally safe and health conscious for your employees.

Use Renegade low-foaming detergents to remove grease, soil, paint, corrosion, oil, and other contamination from parts' surfaces. Choose from manual or automatic detergents, degreasers, additives and hand cleaners. **Learn more and order now, call 800-774-7900 or go to Renegade at www.partwasher.net.**

RENEGADE PARTS WASHER HARDWARE AND SUPPLIES

As a full service parts washer solution provider, Renegade supports the maintenance and performance of your parts washer with a wide range of parts and supplies such as filter cartridges, baskets, brushes, and hoses. **Learn more and order now, call 800-774-7900 or go to Renegade at www.partwasher.net.**

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