

# RENEGADE

## PARTS WASHERS AND DETERGENTS

PRODUCT DATA SHEET  
MODEL: FL 9000 4054

Parts Washer and Cleaning Solutions Since 1996

### AUTOMATIC FRONT LOAD HEAVY DUTY PARTS WASHER LINE - FL SERIES

Renegade Model FL 9000 4054 with 7.5 HP Wash Cycle Pump and 190 Gallon Sump Capacity



FL 9000 4054 Dimensions  
Height: 99.5 inches;  
Width: 74 inches; Depth: 61 inches



Control Panel



Pump Motor



Oil Skimmer and Low Water Safety



Heavy Duty Gear-Driven Turntable Assembly

#### PRODUCT OVERVIEW

The Renegade FL 9000 4054 Front Load Heavy Duty Aqueous Parts Washer is the solvent-free cleaning solution for production cleaning operations such as engine and transmission machining facilities. Renegade automatic front load cabinet washers operate with a durable gear-driven turntable and provide easy access to the wash zone. Your parts will be thoroughly cleaned of grease, oil or lubricants in a high temperature and high pressure environment. Pump and heater capacities are integrated to the load and sump capacities for best throughput. Automation features include automatic low water level shutdown, 7-day programmable wash timer and PLC programmable wash cycle timer. Automatic Front Load Parts Washers maximize efficiency in day to day production cell operations. Renegade Aqueous Parts Washers are designed to work with Renegade detergents for maximum cleaning without residue buildup.

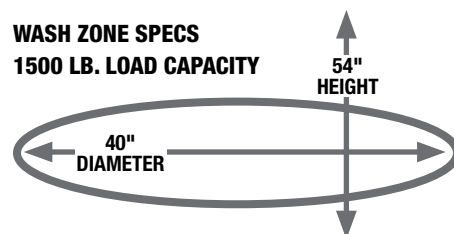
#### STANDARD PRODUCT FEATURES AND BENEFITS

- 7.5 HP Heavy Duty Wash Cycle Pump
- 18 KW @ 230V; 24 KW @ 460V
- 1500 lb Load Capacity
- Sump Capacity - 190 Gallons
- Automatic Low Water Level Shut Down
- Gear Driven Turntable for Durability
- Heavy Duty 11 Gauge Steel Construction
- Max Solution Temperature 185 degrees
- PLC Programmable Wash Cycle Timer
- Programmable 7 Day Timer for Heater and Oil Skimmer
- Washer Door Safety Switch
- Shipping Weight: 2250 LBS.

FL 9000 4054 VIDEO DEMO ▶

#### WASH ZONE SPECS

1500 LB. LOAD CAPACITY



FL 9000 4054 Rev. 11-21



CALL: 800-774-7900

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#### INDUSTRIAL APPLICATIONS

Automobile Repair Facilities
Boat Dealers
Bicycle Repair
Fabrication Parts Cleaning
Industrial Parts Cleaning
Machine Shop
Production Engine Shops
Production Machining Facilities
Remanufacturing Facilities
Small Engine Repair
Transmission Machine Shops
Transportation Production Centers

#### OPTIONS FOR THE RENEGADE FL 9000 4054

- Automatic Water Fill with Soap Injector
- Digital Temperature Readout
- Drain Kit, Includes Ball Valve and 50-foot Drain Hose
- Filtration Systems
- Gas Heat
- Heater Size Upgrade
- Power Exhaust Vent
- Pump Size Upgrade
- Stainless Steel Infrastructure for No-Rust Durability
- Two-Tiered Turntables
- Turntable Containment Ring
- Turntable Parts Tree
- Turntable Platform
- Turntable - Stainless Steel

#### NEED MORE OPTIONS FOR PRODUCTION PROCESS CLEANING? DISCOVER RENEGADE I-SERIES CUSTOM PARTS WASHERS

Renegade also custom 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 to discover if your production process needs are right for Renegade Industrial Series custom components and enhanced functionality. **To learn more, call 800-774-7900.**

#### RENEGADE PARTS WASHER DETERGENT

Renegade's parts washer solutions also includes a wide variety of **specially formulated 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](http://www.partwasher.net).**

#### RENEGADE PARTS WASHER 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](http://www.partwasher.net).**

#### ABOUT RENEGADE PARTS WASHERS

Manufactured by **Service Line, Inc.**, **Renegade Parts Washers** and **Renegade I-Series Industrial Parts Washers** are the ultimate aqueous cleaning & degreasing equipment solution designed to efficiently clean parts and components in a wide variety of industrial applications in both general repair cleaning and industrial high volume production cell operations.

**Since 1996**, our industry experience has led to innovations in automatic and manual top load, front load and turntable parts washers, along with exclusive developments in parts washer detergents. Renegade Parts Washers offers fast lead times, quality service, and support. Renegade Clean Spec Consulting Services designs custom parts washer configurations.

#### CONFIGURATIONS FOR THE RENEGADE FL 9000 4054 FRONT LOAD AUTOMATIC AQUEOUS PARTS WASHER

MODEL	CONSTRUCTION	DESCRIPTION	PUMP	HEATER	VOLTAGE/PHASE
FL 9000 4054	MILD STEEL	MS - 230V - 3PH - 7.5HP - 18KW	7.5 HP	18KW	230V / 3PH
FL 9000 4054	MILD STEEL	MS - 460V - 3PH - 7.5HP - 24 KW	7.5 HP	24 KW	460V / 3PH
FL 9000 4054	STAINLESS STEEL	SS - 230V - 3PH - 7.5HP - 18KW	7.5 HP	18KW	230V / 3PH
FL 9000 4054	STAINLESS STEEL	SS - 460V - 3PH - 7.5HP - 24 KW	7.5 HP	24 KW	460V / 3PH

FL 9000 4054 Rev. 11-21



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