

# RENEGADE

PARTS WASHERS  
AND DETERGENTS

## FL 9000 4054 HD



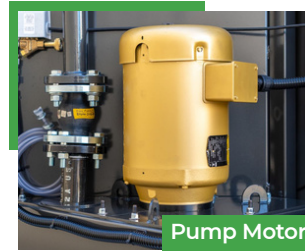
### Heavy-Duty Parts Washer for Heavier Parts

### PRODUCT OVERVIEW

The Renegade FL 9000 4054 HD Front Load Heavy Duty (HD) Aqueous Parts Washer includes automatic low water level shutdown, a 7-day programmable wash timer, and a PLC programmable wash cycle timer.

The FL 9000 4054 HD 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. Renegade Aqueous Parts Washers are designed to work with Renegade detergents for maximum cleaning without residue buildup.



Pump Motor



Oil Skimmer



User Interface



Turntable

### SPECIFICATIONS

Cubic Volume of Wash Zone	39.27
Height (inches)	54
Diameter (inches)	40
Wash Sump Capacity (Gals)	165
Min Footprint Square Footage (cf)	33.53
Min Dimensions	8' 3.5" H x 6' 6.5" W x 5' 1.5" D
Max Footprint Square Footage (cf)	32.61
Max Dimensions	9' 9.5" H x 6' 5.0" W x 5' 1.0" D
Electric	230-460V 3 Phase
Load Capacity (lbs)	3,000
Max Temp (degrees F)	185
Wash Pump (hp)	7.5

### STANDARD FEATURES

- ✓ Wash Pump
- ✓ Programmable Wash Cycle Timer
- ✓ Gear-Driven Turntable
- ✓ 7-Day Heater Timer
- ✓ Adjustable Solution Temperature
- ✓ Automatic Low Water Level Shutdown
- ✓ Programmable Oil Skimmer

Cleaning Excellence, Engineered for You



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# FL 9000 4054 HD

## COMPATIBLE OPTIONS

### CONTROL

- ✓ VFD Motor Controls

### AUTOMATION & LOAD HANDLING

- ✓ Overhead Jib Crane Access

### CUSTOM FIXTURE

- ✓ Two-Tired Turntable
- ✓ Turntable Containment Ring
- ✓ Parts Tree
- ✓ Turntable Top
- ✓ Custom Fixtures
- ✓ Small Parts Basket

### CONSTRUCTION

- ✓ 11 Gauge Stainless Steel

### WATER & TEMPERATURE MANAGEMENT

- ✓ Autofill System
- ✓ Keyence Level Sensor
- ✓ Foam Sensor
- ✓ Digital Temperature Readout
- ✓ Power Exhaust Vent
- ✓ Gas Heat
- ✓ Heater Upgrade
- ✓ Pump Upgrade

### WASTE REMOVAL

- ✓ Dual Oil Skimmer
- ✓ Filtration
- ✓ Filtration w/ Sump Sweep
- ✓ Oil Separation
- ✓ Discharge Pump
- ✓ Sludge Conveyor
- ✓ Drain Kit

### ADDITIONAL SAFETY

- ✓ E-Stop
- ✓ Power Disconnects
- ✓ Door Interlock
- ✓ Additional Employee Safety Labels
- ✓ Increased Short Circuit Current Routing (SCCR)
- ✓ Wire Labels
- ✓ Absence of Voltage Test Point

## ABOUT US

Partner with Renegade Parts Washers to design a parts-washing system tailored specifically to your requirements, unlocking the full potential of your operations. We actively collaborate and partner with customers to understand their needs and surpass their expectations by providing custom parts washer machines, and detergent solutions.

Parts, Washer, and Cleaning Solutions Since 1996



## RENEGADE'S DETERGENTS

Our expertise extends to a full range of custom-formulated, high-performance soaps and detergents, each crafted specifically for parts washer systems. Designed with your operation in mind, our low-foaming, non-solvent based surfactants are tough on grease, oil, corrosion, and contaminants—yet safe for your team and the environment. Visit our online store at [PartWasher.Net](http://PartWasher.Net)



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