

# RENEGADE

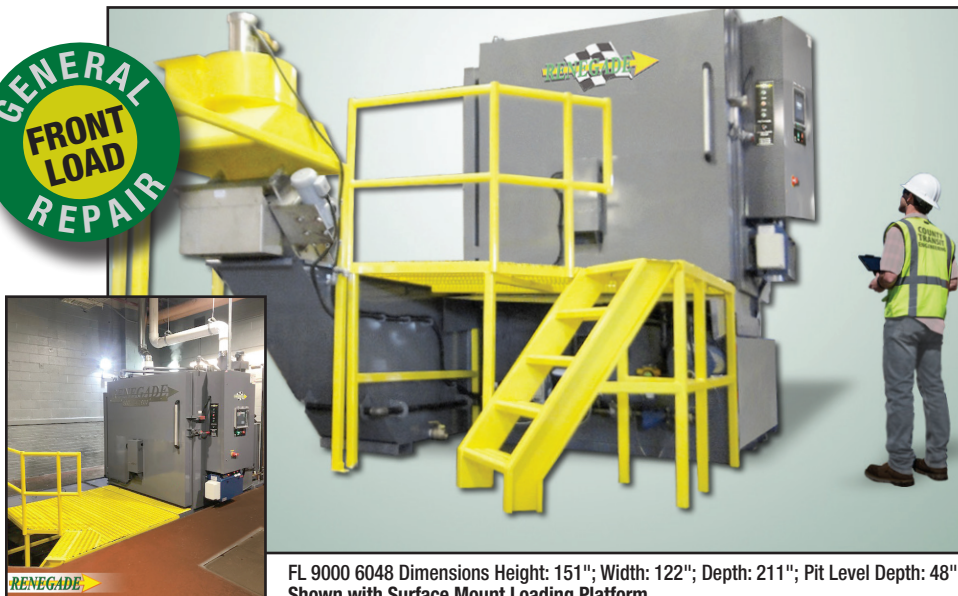
## PARTS WASHERS

Parts Washer and Cleaning Solutions Since 1996

### AUTOMATIC FRONT LOAD PARTS WASHER

**Renegade Model FL 9000 6048 Pit Mount, with Gas Immersion Heat System and Sludge Conveyor**

GENERAL  
FRONT  
LOAD  
REPAIR



FL 9000 6048 Dimensions Height: 151"; Width: 122"; Depth: 211"; Pit Level Depth: 48". Shown with Surface Mount Loading Platform.

#### PRODUCT OVERVIEW

The Renegade FL 9000 6048 Front Load Pit Mount Parts Washer is a customized heavy-duty solvent-free solution for transit and fleet maintenance cleaning operations. Renegade automatic front load cabinet washers operate with a durable gear-driven turntable and provide easy access to the wash zone. Parts are 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.

#### PRODUCT FEATURES AND BENEFITS

- PLC/HMI Touch Screen Controls:
  - 7-day Timer for Heating and Skimming
  - Low Water Warnings
  - Preset Maintenance & Wash Cycles
  - Temperature Display
- Load Capacity: 3500 LBS
- Automatic Low Water Level Shut Down
- Gear Driven Turntable for Durability
- Heavy Duty 11 Gauge Steel Construction
- Max Solution Temperature 185 degrees
- Dual Disc Oil Skimmers

- Heated Rinse to Overflow Drain Cycle
- 2 HP Power Steam Vent
- Automatic Sludge Conveyor
- Washer Door Safety Switch
- Shipping Weight: 13,000 LBS.

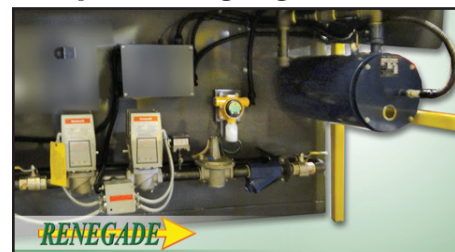
#### WASH CYCLE SPECS:

- Gas Immersion Heat System BTU: 750,000 BTU
- Two 30 HP Heavy Duty Wash Cycle Pumps with Sound Limiting Enclosures
- Tank Volume: 2000 Gallons

#### PRODUCT DATA SHEET

**MODEL: FL 9000 6048 Pit Mount**

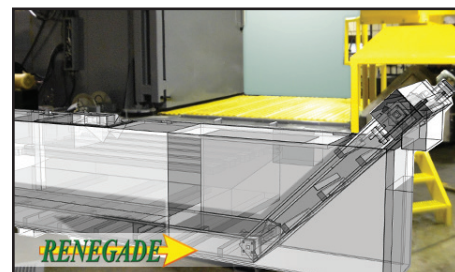
#### Component Highlights



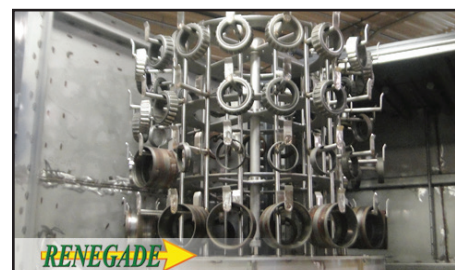
Gas Immersion Heat Control System



Gas Immersion Heat Exchanger



Sludge Conveyor for Heavy-Duty Grease Control



Heavy Duty Gear-Driven Turntable Assembly with Custom Parts Tree Fixtures. Nozzle configuration in parts tree: Two oscillating vertical spray manifolds for wash, four horizontal fixed manifolds for wash (two top and two bottom), and one vertical spray manifold in center of turntable.

#### WASH ZONE SPECS

**3500 LB. LOAD CAPACITY**

**48" HEIGHT**



FL 9000 6048 Pit Mount Rev. 10-2018



**CALL: 800-774-7900**

**EMAIL: [sales@renegadepartswashers.com](mailto:sales@renegadepartswashers.com)**



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## PRODUCT DATA SHEET

# MODEL: FL 9000 6048 Pit Mount

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### INDUSTRIAL APPLICATIONS

Automobile Repair Facilities
Aviation and Aerospace
Fabrication Parts Cleaning
Fleet Maintenance Operations
Industrial Parts Cleaning
Production Engine Shops
Production Machining Facilities
Remanufacturing Facilities
Transit Maintenance Operations
Railroad Maintenance Operations
Transmission Machine Shops
Transportation Production Centers

### OPTIONS FOR THE RENEGADE FL 9000 6048

- 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 **specialty 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 6048 FRONT LOAD AUTOMATIC AQUEOUS PARTS WASHER

MODEL	CONSTRUCTION	DESCRIPTION	PUMP	HEATER	VOLTAGE/PHASE
FL 9000 6048	MILD STEEL	MS - 230V - 3PH - 3HP - 36 KW	Dual 30 HP	36 KW	230V / 3PH
FL 9000 6048	MILD STEEL	MS - 460V - 3PH - 3HP - 48 KW	Dual 30 HP	48 KW	460V / 3PH
FL 9000 6048	STAINLESS STEEL	SS - 230V - 3PH - 3HP - 36 KW	Dual 30 HP	36 KW	230V / 3PH
FL 9000 6048	STAINLESS STEEL	SS - 460V - 3PH - 3HP - 48 KW	Dual 30 HP	48 KW	460V / 3PH

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