



## Overview

FlaskScrubber Glassware Washers are designed to wash and dry a wide variety of narrow-neck and general purpose labware. Utilizing a brilliant 5" touchscreen display featuring CleanWorks OS, users have full control of wash parameters and washer settings. The included lower spindle rack consists of 36 spindles, and 18 glassware holders for narrow-neck glassware such as volumetric and Erlenmeyer flasks. Able to reach a maximum wash temperature of 93° C (199° F), water and detergent are pumped through the spindles to reach the innermost areas of your glassware. Specialized inserts for pipettes, graduated cylinders, small vials, culture tubes and small utensils makes the FlaskScrubber an extremely versatile glassware washer.

Forced air drying through the spindles and chamber ensures thorough drying inside and out. FlaskScrubber Glassware Washers can be configured to include robust single- or three-phase heating. Users can increase capacity by adding an optional Upper Spindle or Standard Rack. A Lower Standard Rack may be used instead of the Lower Spindle Rack to provide even more versatility.

**Catalog Number:** 412001000

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## Specifications

- **Weight:** 230.0 lbs
- **Weight metric:** 104.3 kg
- **Dimensions:** 24.3" w x 27.8" d x 32.2-36.2" h
- **Dimensions metric:** 61.7 w x 70.6 d x 81.8-91.9 h cm
- **Electrical:** 115V, 60 Hz, 16 A, 1P. Requires dedicated 20A circuit.
- **Product Subcategory:** FlaskScrubber
- **Style:** Freestanding
- **Electric Heating Phases:** 115V, 60 Hz, Single Phase
- **ADA-Compliance:** ADA Height
- **Conformance:** CAN/CSA C22.2, ETL, UL
- **Viewing Window:** No

# Description

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## All models feature:

### Materials/Construction

- Lower spindle rack, of 304 stainless steel, with 36 detachable large spindles, 18 glassware holders, 36 adjustable height clips, 10 small spindles with clips, 36 spindle plugs and 12 spindle arm plugs
- 304 stainless steel top, door, tank, upper and lower wash arms. Freestanding models also have stainless steel exterior sides and top
- One-piece, tool-free, stainless steel, fine mesh particle drain filter
- Four leveling feet offering increased height adjustability
- Aluminum-backed insulation and fiberglass thermal blanket
- Factory-installed drain hose and band clamp
- Two year warranty on parts and labor
- Made in the USA
- IQ/OQ available

### Performance

- Water temperature up to 93° C (199° F)
- Steam generator that produces hot vapor to help remove stubborn labware contaminants
- Pump rated at 96 gal/min (363 L/min) when operated at 115V, 60 Hz and 208/230V, 50 Hz and 112 gal/min (424 L/min) on 208/230V, 60 Hz
- Synchronous drain pump rated at up to 4.2 gal/min (16 L/min)
- Purified water pump to bring non-pressurized purified water into the tank for up to eight pure water rinses
- Forced air drying into the tank and through spindles programmable up to 240 minutes and from 25-80° C (77-176° F)
- Electronic door latch with SpeedVent Technology to facilitate faster drying
- Detergent dispenser for powder or liquid detergent
- Level-sensing 6 ml rinse aid solution dispenser
- Operation at or below 62 decibels

### Controls/User Interface

- Full color touch screen display with CleanWorks OS providing full user control
- 9 factory-set programs: RINSE ONLY, PLASTIC, GLASS, GLASS PLUS, LIFE SCIENTIFIC, ANALYTICAL, DRY ONLY, ECO WASH, CLEAN WASHER. Up to 200 user-defined programs
- Clear and specific alarm displays
- Calibratable setpoints such as: temperature, fill volume, detergent dispensing
- Self diagnostics to aid in servicing and troubleshooting
- Password protection to secure washer from unauthorized changes
- User configurable delayed start (up to 12 hours)
- USB data output

### Standards conformance & regulations:

- UL Standard 61010-1 (all models)
- CAN/CSA C22.2 No. 61010-1 (all models)
- CE Conformity marking (230V, 50/60 Hz models)
- Suitable with ADA-height casework (all models)

### Options include:

- Freestanding and undercounter styles
- Clear tempered safety glass viewing window and 25-watt LED interior light that illuminates washing chamber
- Single-phase (1.2 kW, 2 kW) or three-phase (6 kW) electrical

**Optional accessories:**

- Upper and lower Standard and Spindle Racks
- Baskets and inserts
- Glassware Holders
- Base Stand
- Freestanding-to-Mobile Conversion Kits
- Drain Water Cooling Kits
- LabSolutions detergents and rinse
- WaterPro® RO System



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