

# FlaskScrubber Vantage Series Glassware Washer with Viewing Window and Light



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**Catalog Number:** 422101013

## Overview

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FlaskScrubber Vantage Series Glassware Washers have specialized features for contamination-sensitive research. They are designed to wash and dry narrow-neck and general purpose glassware. Able to reach wash temperatures up to 93° C (199° F) which can remove lipids and sanitizes glassware. Forced air drying with a 99.97% efficient HEPA filter removes airborne particulates. 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.

Utilizing a brilliant 5" touch screen display featuring CleanWorks OS, users have full control of wash parameters and washer settings such as water temperature, detergent and rinse aid amounts, wash and rinse times, and number of rinses. Store up to 200 user-set and 12 factory-preset programs for reproducible protocols. Up to 8 pure water rinses can be programmed. In addition, CleanPoint conductivity monitoring will measure water quality and skip unneeded pure water rinses. Data is exportable via USB or Ethernet. The viewing window with bright LED light allows you to see each cycle in progress.

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## Specifications

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- **Weight:** 294.0 lbs
- **Weight metric:** 133.4 kg
- **Dimensions:** 32.2" w x 27.8" d x 32.2-36.1" h
- **Dimensions metric:** 81.8 w x 70.6 d x 81.8-91.7 h cm
- **Electrical:** 230V, 50/60 Hz, 16.5 A, 3P. Requires dedicated 30A circuit.
- **Product Subcategory:** FlaskScrubber
- **Style:** Freestanding
- **Internal Temperature:** High Heat up to 199° F (93° C)
- **Region:** International, U.S. and Canada
- **ADA-Compliance:** ADA Height
- **Conformance:** CAN/CSA C22.2, CE, ETL, UL
- **Viewing Window:** Yes

# 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 exterior sides, top, door, tank, upper and lower wash arms
- Clear tempered safety glass viewing window and 25-watt LED interior light that illuminates the washing chamber
- One-piece, tool-free, stainless steel, fine mesh particle drain filter
- Four leveling feet offering increased height adjustability
- Aluminum-back 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 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
- HEPA-filtered forced air drying into the tank and through spindles programmable up to 240 minutes and up to 80° C (176° F). HEPA filter is 99.97% efficient on particulates 0.3 micron
- Electronic door latch featuring SpeedVent Technology to facilitate faster drying
- Water conductivity monitor featuring CleanPoint pure water saving technology
- Automatic liquid detergent and rinse aid dispensers with peristaltic pumps
- 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
- 12 factory-set programs: RINSE ONLY, PLASTIC, GLASS, GLASS PLUS, LIFE SCIENTIFIC, ANALYTICAL, INTENSE, EXTREME, DRY ONLY, ECO WASH, CLEAN WASHER, CLEANPOINT. Up to 200 user-defined programs
- Clear and specific alarm displays
- Calibratable setpoints such as: temperature, fill volume, conductivity, detergent dispensing
- Remote email monitoring of washer

- 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/Ethernet data output

**All models require (not included):**

- Dedicated electrical circuit (select based on model): 20A for single-phase 208/230V, 50/60 Hz; 30A for three-phase 208/230V, 50/60 Hz
- Hot water connection with a male ¾-1½ GHT hose fitting
- Recommended inlet water temperature 120° F (49° C)
- Water consumption per fill 3.4 gal (12.9 L)
- Hot tap water pressure of 20-120 psi (138-827 kPa)
- Hot water inlet flowrate of ?1.25 gpm (4.7 lpm), pure water inlet flowrate ?0.9 gpm (3.4 lpm)
- Optional purified water pressure 0 psi (0 kPa)

**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:**

- 208/230V single-phase (2 kW) and 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

## For Product Assistance

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