



## Laboratory Glassware Washers



## High-Quality Glassware Washers For Unparalleled Cleaning

Building on the SP Hotpack brand reputation for quality and reliability, our professional, affordable laboratory glassware washers are engineered to deliver years of energy efficient, dependable performance - outperforming many other glassware washers for long-lasting customer satisfaction.

Whatever the glassware you need to clean, whatever the capacity, we have a solution to help. Our easy-to-use washers are suitable for flasks, beakers, test tubes, bottles, petri dishes, and more. And with options for undercounter, and vertical stack, our washers accommodate a wide range of washing requirements, even when space is at a premium. The spindle-ready models can accommodate direct injection spindle racks making them the ideal solution for cleaning of narrow-neck glassware.



We understand that the demands of your laboratory may change over time. That's why loading and operation flexibility comes as standard with SP Hotpack glassware washers, which can accommodate a wide range of specialty baskets that fit into upper and lower racks. All of our glassware washers are fully compatible with previous generations of SP Hotpack washer racks and accessories - safeguarding your investment over time.

With a simple front-loading design manufactured using insulated premium stainless steel, you can rest assured that all of our laboratory glassware washers are protected against corrosion while maintaining a superior cosmetic appearance.



## Engineered for Durable, Reliable & Energy Efficient Operation

- 304 stainless steel chamber and exterior casing ensures long life and corrosion protection, plus maintains superior cosmetic appearance
- Three separate filters protect pumps from debris and are conveniently located for easy access
- Designed and insulated for optimal quiet operation
- Efficient, minimal water consumption with spotless results
- Multiple cycle selections and microprocessor control systems ensure that each load is processed with minimum energy consumption
- Delayed start feature allows washer to operate unattended during off-peak hours to reduce energy costs
- Soft touch controller
- Optional Deionized (DI) Rinse models use facility-provided DI water for final rinse; DI Booster Pump also available

### Loading and Operation Flexibility

- Six cycle selections let you select optimal temperature and time, and include a customizable timed option. All wash cycles have pre-wash, wash, pre-rinse, and rinse cycles to prevent contamination:
  - **Rinse Only** - Short tap water rinse cycle
  - **Normal** - Lower temperature (55 °C) longer cycle with three final rinse cycles
  - **Daily Wash** - Standard temperature (65 °C) with two final rinse cycles
  - **Heavy Wash** - Higher temperature (70 °C) longer cycle with multiple pre-wash and final rinse cycles
  - **Heavy Wash Time Saver** - Lower temperature (55 °C) version of Heavy Wash with a shorter overall cycle time
  - **Timed Programs** - Standard temperature (65 °C) in programmable 15 minute increments up to 2.5 hours
- Enhanced dual fan drying system draws in dry air and exhausts moist air out
- All models come with top and bottom stainless steel open racks to accommodate a variety of glassware
- Spindle-ready models can accommodate direct injection spindle racks (sold separately) for narrow-neck glassware
- Wide-variety of universal baskets and accessories available



# Undercounter & Freestanding/Mobile Glassware Washers

Designed for ease of operation and flexible loading, Undercounter and Freestanding/Mobile Glassware Washers feature upper and lower open racks and can accommodate a wide range of requirements. Engineered for reliable and energy efficient operation, these durable washers include Standard, DI Rinse, and DI Rinse/Spindle Rack Ready models.

- All models feature noise buffering insulation
- Freestanding/Mobile washers have a full 304 stainless steel casing for style and durability and Undercounter models do not include side, top or rear casing
- Undercounter units have adjustable height levelling feet and Freestanding units have locking wheels/casters
- All washers come with standard racks
- DI models easily install with fixed or moveable laboratory DI water systems and provide enhanced cleaning capability

## Undercounter Glassware Washer Models

Part No.	Model Description
UCW-HA00001	With Tap Water Rinse Only
UCW-HA10001	With DI Rinse
UCW-HA20001	With DI Rinse and Spindle Rack Ready

## Freestanding & Mobile Glassware Washer Models

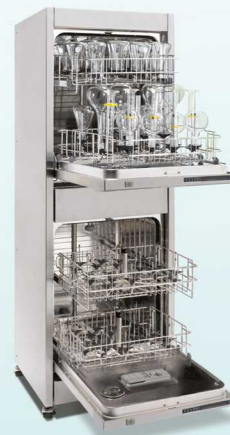
Part No.	Model Description
UCW-HA00101	With Tap Water Rinse Only
UCW-HA10101	With DI Rinse
UCW-HA20101	With DI Rinse and Spindle Rack Ready

*\* If incoming DI water pressure is less than 18 psi, a DI booster pump (Part No. 446508 - sold separately) must be used.*



## Vertical SpaceSaver Glassware Washers

Vertical SpaceSaver™ Glassware Washers provide maximum capacity and flexibility in a small footprint. Up to four loading levels in two independently controlled chambers - each chamber has two open racks and can be customized to meet specific requirements. This ultimate space saver provides a footprint up to 33% smaller than similar capacity washers. Three Vertical SpaceSaver Washer models are supplied with locking wheels, and fully cased in 304 stainless steel for attractive and flexible durability.



### Vertical SpaceSaver Glassware Washer Models

Part No.	Model Description
VSW-HA00001	With Tap Water Rinse Only
VSW-HA11001	With DI Water Rinse
VSW-HA21001	Top DI Rinse Only. Bottom DI Rinse and Spindle Rack Ready*
VSW-HA22001	Top and Bottom DI Rinse and Spindle Rack Ready*

\* If incoming DI water pressure is less than 18 psi, a DI booster pump (Part No. 446508 - sold separately) must be used.

## Standard Washer Or Spindle Rack Ready Washer Comparison

Standard Washer Units	Spindle Rack Ready Washer Units
Ideal if your typical glassware includes beakers, test tubes, petri dishes, watch glasses and other wide-neck glassware	Recommended for graduated cylinders, volumetric flasks, round bottom flasks and other narrow-neck glassware such as small Erlenmeyer flasks
Includes 2 Standard Racks	Includes 2 Standard Racks
Will not accept Spindle Racks	Will accept Spindle Racks. Please see page 7 for more information
Tap Water Rinse and DI Water Rinse options are available	Tap Water Rinse and DI Water Rinse options are available
Employ spray arms which feed water underneath racks (similar to domestic dishwashers)	When Spindle Racks are used, additional plumbing connects the water feed directly to the Spindle Racks which inject it inside glassware
Can be customized for various glassware with baskets and accessories	Glassware height: 238 mm (9 3/8") clearance on the top spindle rack and 260 mm (10 1/4") clearance on the bottom rack; Use bottom rack only for taller glassware – 508 mm (20") maximum clearance



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## Glassware Washer Accessories

\* Photo provided

Part No.	Accessory	Accessory Details	Fit/Dimensions
437127*	Basket & Cover	General use - e.g. to hold miscellaneous glassware	Top or bottom 1/4 rack
437134*	Erlenmeyer Flask Insert	For 300 mL - 1500 mL Erlenmeyer flasks; Holds 5 - 1500 mL flasks	Top or bottom 1/2 rack
437141*	BOD Bottle Insert	Up to 18 BOD bottles	Top or bottom 1/2 rack
437158*	Petri Dish Basket Insert	Petri dishes	Top or bottom 1/2 rack
437165*	Graduated Cylinder Basket Insert	Holds up to 32 small graduated cylinders	Top or bottom 1/2 rack
437172*	Arrow Clip Rack Insert	14 small and 14 large arrow clips for holding miscellaneous glassware	Bottom 1/2 rack
437189*	Test Tube Basket Insert With Lid, 75 mm Tubes	Holds up to 150 - 75 mm length test tubes	Top or bottom 1/2 rack
437196	Test Tube Basket Insert With Lid, 105 mm Tubes	Holds up to 150 - 105 mm length test tubes	Top or bottom 1/2 rack
437202	Test Tube Basket Insert With Lid, 165 mm Tubes	Holds up to 150 - 165 mm length test tubes	Top or bottom 1/2 rack
437219	Test Tube Basket Insert With Lid, 200 mm Tubes	Holds up to 150 - 200 mm length test tubes	Top or bottom 1/2 rack
437226*	Open Basket Insert With Handles	General use - e.g. to hold miscellaneous glassware	Top or bottom 1/2 rack
437233	Watch Glass Insert	Holds up to 40 pieces, less than 125 mm in diameter	Top or bottom 1/2 rack
437240	Bottle Basket Insert, 1 L	Holds up to 16 - 1 L bottles	Top or bottom full rack
437257	Bottle Basket Insert, 2 L	Holds up to 9 - 2 L bottles	Top or bottom full rack



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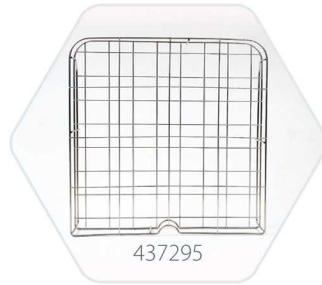
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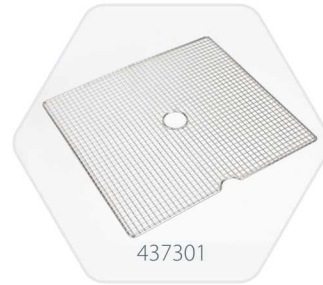
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437264*	Bottle Basket Insert, 50 mL	Holds up to 69 - 50 mL bottles	Top or bottom full rack
437271	Bottle Basket Insert, 100 mL	Bottle Basket Insert, 100 mL	Top or bottom full rack
437288	Bottle Basket Insert, 250 mL	Holds up to 24 - 250 mL bottles	Top or bottom full rack
437295*	Bottle Basket Insert, 500 mL	Holds up to 23 - 500 mL bottles	Top or bottom full rack
437301*	Bottle Basket Mesh Insert, Full Size	Prevents small items from falling through basket	Top or bottom full rack
437318	Bottle Basket Mesh Insert, Half Size	Prevents small items from falling through basket	Top or bottom 1/2 rack
437332*	Basket Cover With Handle	Fits Part Nos. 10002-908, 10002-910, 10002-912 & 10002-924	Top or bottom 1/2 rack
437080*	Top & Bottom Set (For use With Spindle Rack Ready Washers Only)	Bottom full rack with 22 spindles, top full rack with 22 spindles	Replaces top and bottom open racks
100005409*	Top & Bottom Set (For use With Spindle Rack Ready Washers Only)	Bottom full rack with 22 spindles, top 1/2 open and 1/2 with 13 spindles	Replaces top and bottom open racks
100005410*	Top and Bottom Set (For use with Spindle Rack Ready Washers Only)	Bottom full rack with 22 spindles, top 1/2 only rack with 13 spindles	Replaces top and bottom open racks (top rack is only 1/2 size, to accommodate taller glassware on bottom rack)
436601	Full Bottom Rack	22 spindles (For use with Spindle Rack Ready Washers Only)	Replaces bottom open rack; requires 19.5" clearance; must be used without a top rack
446493*	Full Bottom Rack (For use with Spindle Rack Ready Washers Only)	1/2 open and 1/2 with 12 spindles	Replaces top and bottom open rack
446508	Booster Pump	For use with low pressure (below 18psi) DI water supply	



437080



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446493

# Specifications

## Dimensional Data (Nominal)

### Undercounter

Width	610 mm (24.00 in)
Depth	580 mm (22.88 in)
Height	875 to 924 mm (34.44 to 36.38 in)
Weight	53 kg (116.80 lbs)
Volume	170 L (6 ft <sup>3</sup> )

### Freestanding

Width	610 mm (24.00 in)
Depth	616 mm (24.25 in)
Height	978 mm (38.50 in)
Weight	62 kg (136.50 lbs)
Volume	170 L (6 ft <sup>3</sup> )

### Vertical SpaceSaver™

Width	670 mm (26.38 in)
Depth	592 mm (23.31 in)
Height	1994 mm (78.50 in)
Weight	168 kg (370.00 lbs)
Volume	340 L (12 ft <sup>3</sup> )

## Water Consumption per Chamber

### Minimum (excluding Rinse Only cycle)

Tap	2.4 Gal (9 L)
DI	0.8 Gal (3 L)

### Maximum (excluding Rinse Only cycle)

Tap	4 Gal (15 L)
DI	1.6 Gal (6 L)

## Material of Construction

Chamber Material	304 Stainless Steel
Exterior Material	304 Stainless Steel
Certification	UL61010-1 & CSA 22.2 61010-1 
Electrical	120V, 60Hz, 15A, with NEMA 5-15P power cord

## Warranty

SP Hotpack washers and accessories are covered for a period of 12 months from date of shipment. For full details contact your SP Hotpack area representative.

## Note:

The SP Hotpack recommendation is for at least 673 mm (26.5 in) of clearance in front of the unit for the door extension and at least 51 mm (2 in) on each side of the door.



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