



G403 SERIES  
MULTI-LEVEL  
GLASSWARE WASHER

[www.nsc-betterbuilt.com](http://www.nsc-betterbuilt.com)



## G403 SERIES MULTI-LEVEL GLASSWARE WASHER

The BetterBuilt G403 Series Multi-level Glassware Washer is available in a single door or two door pass thru model. Both are designed as multi-level washers, however each has a unique method of loading and handling laboratory glassware.

### Multi-level Washing For Greater Productivity

The G403 is designed to hold laboratory glassware on up to four levels. Each level has a positive fit to the spray system to achieve uniform spray pressure. If a level is not being used the connection point remains sealed. Racks are fully supported so that they can be pulled forward into a cantilevered position for loading. A wide choice of spindle racks or open baskets are available from our accessory list. Cleaning solutions are distributed throughout the cabinet interior by rotating spray arms mounted top and bottom and thru hollow spindle loading racks.

### Single Vertical Door

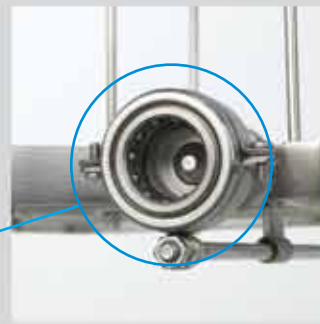
The G403 washer is designed with a pneumatically operated automatic vertical lift door which opens with the touch of a button for loading. The door opens automatically at the end of the process cycle. A large viewing window is provided and insulated construction reduces noise and heat transfer into the room.

### Touch Screen Controls

The touch screen controls allow the user to easily select from 8 pre-programmed cleaning cycles. The easy to read information screen shows the current operating cycle and stage, actual temperature and time remaining.

### Micro-processor

Cycles and communication features are controlled by micro-processor. Each cycle can be preset for time, temperature, multiple washes, multiple rinses, chemical additives, exhaust and water saving for maximum efficiency. Programmed wash cycles are protected via pin number access, ensuring up to 11 levels of security. Pre-set temperatures for wash and rinse cycles are guaranteed and are verified with our alarm logging capabilities. Recording of wash cycle data is now available digitally with our optional compact flash card or with our Ethernet connectivity to PLC data retrieval option.



### Removable Spray Rack

Each spray rack comes with a unique spring-loaded, positive coupling which connects to the re-circulatory piping system at the rear of the washer chamber. This coupler is equipped with a quick release handle that allows for simple and easy removal when interchanging racks. If a rack is removed the spray manifold system has an automatic shut-off.

## LOADING EQUIPMENT AND ACCESSORIES

### Solid Construction For Durability

All BetterBuilt washers are built with durability in mind. Cabinets and doors are fully welded from stainless steel and polished to a satin finish. The complete solution circulation system, including pumps, flanges, pipe connections, and loading equipment is constructed of type 304 stainless steel for compatibility with all types of detergents. Type 316L stainless steel is available as an option. No plastic or rubber piping connections are used.



PHR Pipette Header Rack

### High Pressure Spray with Total Coverage

Wash and rinse solutions are distributed by a combination of rotating spray arms for overall coverage, and individual spindle jets for interior coverage.



SH16 Spindle Rack

### Mirror Finished Chamber Interior

The side and rear panels inside the chamber are stainless steel mirror finished construction to allow better flow of solution.



SH25 Spindle Rack

### Maintenance and Replacement Parts

A preventative maintenance program is required for warranty purposes and is available from a local service agent. All BetterBuilt washers use microprocessor program controllers for long life and ease of service diagnostics. All components are non-proprietary and are available from local suppliers or the factory.



SH49 Spindle Rack



## G403 SERIES MULTI-LEVEL GLASSWARE WASHER

APPLICATION	MODEL	CHAMBER	OVERALL
The BetterBuilt G403 Series Washers are automatic, heavy duty, multi-cycle, single chamber, cabinet type, hydro-spray washers. Designed to clean, decontaminate and dry laboratory glassware.	G403	27 x 28" x 27" 686 x 711 x 686mm	42 x 78 x 34" 1066 x 1981 x 864mm

Note: Vertical door in the raised position will require an overall height of 93.5" (237.5cm) A.F.F. Dimensions are maximum opening. Load sizes must be smaller to allow for clearance. Due to continued engineering improvements, specifications are subject to change without notice.

### STANDARD FEATURES

- Single Door Cabinet, Floor Mounted
- All Stainless Steel Construction
- Insulated Double Wall Cabinet and Door
- Illuminated Chamber Interior
- Left or Right Side Service Access
- Automatic Vertical Lift Door
- Double Level Debris Screens in Wash Chamber
- Top and Bottom Rotary Spray Arms
- Adjustable Spray Patterns
- Chemical Injection Ports, Contacts and Fittings
- Emergency Stop Button at Door
- Stainless Steel Steam Coil Heating
- Multi-cycle Microprocessor Control System
- 8 Fully Adjustable Programmed Cycles
- 5" TFT Colour Touchscreen Control Panel
- Automatic Multi Phase Treatment Cycles
- Program Security via Pin Number Access
- Temperature Guarantee During All Cycle Phases
- Built-in Advanced Diagnostics
- Fully Drained & Flushed Solution Sump Between Cycle Phases; No Carry Over
- Automatic Sump Level Control
- Drain Discharge Cool Down
- Water Conservation System
- Non-proprietary Components
- DI Rinse Direct thru Plated Valve
- Cantilevered Full Extension Loading Rack Slides

### OPTIONAL FEATURES

- Barrier Wall Trim to Close Wall Openings
- Seismic Anchoring
- Impact or Thermal Cycle Data Printer
- RS485 Port for Data Download
- Electric Water Supply Temperature Booster
- Ethernet Connectivity to PLC or Touchscreen
- Automatic Chemical Injection Pumps, Time Based
- PLC and Touchscreen Program Backup
- Cold Water Inlet
- Low Level Chemical Sensor
- PH Neutralization Probe
- Factory Ethernet Connectivity for Online Diagnostics
- Jet Wash Pulse Action for Tall Vessels
- DI Rinse Delivered from Pressurized Tank
- DI Rinse Direct thru Plated Valve
- Compact Flash Card for Data Collection
- Modem Connectivity for Factory Diagnostics
- Stainless Steel Control Guard
- Electric Element Sump Heat
- Surge Protection
- MUNIS - Multiple Utility Network Interface System
- Printer Cover

### ACCESSORIES

SH2	2 Spindle Header	SH36	36 Spindle Header	TTB	Test Tube Basket
SH4	4 Spindle Header	SH49	49 Spindle Header	GPB	General Purpose Basket
SH9	9 Spindle Header	SH81	81 Spindle Header	TC403	Transfer Cart
SH16	16 Spindle Header	PHR	Pipette Header Rack		
SH25	25 Spindle Header	BRR	Bottom Rotary Rack		

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