



R600 SERIES
CAGE & RACK
WASHERS

www.nsc-betterbuilt.com



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The BetterBuilt R600 Series Cage and Rack Washer is the result of modern technology combined with a proven spray design. This approach delivers the cleaning performance, ease of use and long-term durability demands of today's busy laboratories. Choose from four models to best suit your site conditions and washing requirements.

High Pressure Spray with Total Coverage

Wash and rinse solutions are distributed throughout the wash chamber by rotating spray arms positioned for complete coverage. Spray arms are driven by water pressure, no oscillating manifold is required.

Choice of Sizes and Door Configurations

The R600 series washers are available in single door and two door pass-thru models. The simplicity of our design allows us to fabricate custom sizes to match important length, width and/or height requirements.

Guaranteed Temperatures Throughout the Cycle

Chemical suppliers have specific temperature recommendations for best performance from their detergents. Our micro-processor control system allows the user to preset the correct solution temperature for each step of the wash cycle and for guaranteed bacteria kill during the final stage.

Touchscreen Controls

The touchscreen 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.





Solid Construction for Durability

All BetterBuilt washers are built with durability in mind. Cabinets and doors are all stainless steel construction, fully welded 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 316 stainless steel is available as an option. No plastic or rubber piping connections are used.

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.

Noise Reduction

Component selection and design engineering have ensured that sound levels around the washer are kept below 80dB which are in line with current worker safety recommendations.

Alkaline and Acid Compatible

All BetterBuilt washers have a stainless steel cabinet and circulatory system, containing no plastic or rubber connections. This makes the washer compatible with all alkaline or acidic detergents and extends the operational life of the washer.

Safety Features

Personnel safety features include an emergency stop (e-stop) button located at both the soiled and clean ends of the washer. Inside the wash chamber, a highly visible emergency stop cable is located on one side or as an option on both sides. The washer door latch is design to release easily when the door is pushed from the inside.

Optional Side Tanks

Reduced cycle times, energy savings and lower chemical consumption are benefits of using side tanks which include; drain surge tank, heated fill tank, heated rinse storage tank, and alkaline/acid storage tanks.



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APPLICATION

The BetterBuilt R600 Series Washers are automatic, heavy duty, multi-cycle, single chamber, floor loading, hydro-spray washers using an overlapping, rotary spray arm system for complete coverage.

Note: Custom sized cabinets are available, contact BetterBuilt or your local representative for further details. Due to continued engineering improvements, specifications are subject to change without notice.

INTERIOR CHAMBER

EXTERIOR CABINET

MODEL	W x H x L	W x H x L
R620	42 x 84 x 80" 1067 x 2134 x 2032mm	80 1/2 x 103 x 84" 2045 x 2616 x 2134mm
R630	48 x 88 x 90" 1219 x 2235 x 2286mm	87 1/2 x 107 x 94" 2223 x 2718 x 2388mm
R670	48 x 88 x 130" 1219 x 2235 x 3302mm	87 1/2 x 107 x 134" 2223 x 2718 x 3404mm
R690	48 x 88 x 180" 1219 x 2235 x 4572mm	87 1/2 x 107 x 184" 2223 x 2718 x 4674mm

STANDARD FEATURES

- Pit Mounted
- All Stainless Steel Construction
- Insulated Double Wall Cabinet and Door(s)
- Manual Swing-out Hinged Door(s)
- Stainless Steel Threshold Plate at Door(s)
- Spring Loaded Safety Door Latch
- Stainless Steel Floor Grating in Lift-up Sections
- Stainless Steel Pump and Circulatory Piping
- Overlapping Rotary Spray System
- Adjustable Spray Patterns
- Temperature Guarantee During All Cycle Phases
- Water Conservation System
- Drain Discharge Cool Down
- Fully Drained and Flushed Sump
- Automatic Sump Level Control
- Pneumatic Operated Exhaust Damper
- Double Level Debris Screens in Wash Chamber
- 5 Chemical Injection Ports, Contacts and Fittings
- Interior Side Bumper Rails
- Interior Emergency Stop Cable
- Illuminated Chamber Interior
- Emergency Stop Button at Door(s)
- Automatic Multi Phase Treatment Cycles
- 8 Fully Adjustable Programmed Cycles
- Multi-cycle Microprocessor Control System
- 5" TFT Color Touchscreen Control Panel
- Program Security via Pin Number Access
- Built-in Advanced Diagnostics
- Non-proprietary Components

OPTIONAL FEATURES

- Single Door or Two Door Pass Thru
- Left or Right Side Service Access
- Low Profile 6" Base for Mounting on Finished Floor or in Shallow Pit
- Barrier Wall Trim to Close Wall Openings
- Seismic Anchors
- Automatic Cart Lock Connection
- Automatic Tilt Floor
- Oscillating Manifold Spray Jet System
- Water Supply Temperature Steam Booster (60°F to 180°F)
- Water Supply Temperature Steam Booster (120°F to 180°F)
- Stainless Steel Steam Coil Sump Heating
- Electric Element Sump Heating (R620 and R630 Only)
- Automatic Watering Rack Flushing System
- Vapour Removal Condenser
- Power Exhaust Stainless Steel Blower
- Devapormatic Exhaust System, Closed Loop
- Dryer System c/w POV
- Dryer c/w Devapormatic System
- Automatic Chemical Injection Pumps, Time Based
- Low Level Chemical Sensor
- Sampling Port
- Dual Enlarged Viewing Windows
- pH Neutralization for Effluent
- Drain Surge Tank
- Heated Fill Tank
- Heated Rinse Storage Tank
- Alkaline/Acid Storage Tanks
- Cold Water Fill
- Chilled Water Drain Cool Down
- External Self Cleaning Debris Filter
- Dedicated Low Volume Drain Pump
- VHP/CD Capability
- Pneumatic Door Gasket
- Shut-off Valves, Pressure Gauges, Water Arrestors
- 8" TFT Color Touchscreen Control Panel
- Stainless Steel Control Guard
- Impact or Thermal Cycle Data Printer
- Printer Cover
- RS485 Port for Remote Data Transfer
- Compact Flash Card for Data Collection
- PLC and Touchscreen Program Backup
- Ethernet Connectivity to PLC for Data Transfer
- Factory Ethernet Connectivity for Online Diagnostics
- Touchscreen Ethernet Web Server Connectivity
- Modem Connectivity for Factory Diagnostics
- Surge Protection
- CCTV Capabilities for Unload Side Camera
- Clean Side Buzzer
- Interior Emergency Stop Cable, Both Sides

ACCESSORIES

See Accessories Brochure

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