



R700 SERIES  
HIGH EFFICIENCY  
CAGE & RACK WASHERS

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



## R700 SERIES HIGH EFFICIENCY CAGE & RACK WASHERS

The BetterBuilt R700 Series Cage and Rack Washer reflects the current desire for high efficiency equipment which consumes less energy, increases productivity and promises sustainability for the future.

### **Oscillating Manifold Spray Jet System**

Wash and rinse solutions are distributed throughout the wash chamber via 110 degree oscillating arms mounted horizontally along the sidewalls of the chamber. These spray jet manifolds with 160 wash nozzles and 100 rinse nozzles, plus 3 additional wash nozzles on the washer ceiling provide complete coverage.

### **Touchscreen Control Systems**

A microcomputer with 8" TFT color touchscreen interface monitors and controls all aspects of the washer cycles and process operations. Unique features include adjustable multi-tiered password access, advanced diagnostics, alarm and data logging, parts list ID with visual reference assists maintenance and troubleshooting.

### **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.

### **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 each door. Inside the wash chamber, two highly visible emergency stop cables are located on both sides. The washer is equipped with a mechanical over-pressurization relief system.

### **Inflatable Door Gasket**

Each door is equipped with a dual heavy-duty pneumatic lock and EPDM inflatable gasket to completely seal the cabinet door. With the addition of appropriate connections, the washer is capable of operating as a VHP / Chlorine Dioxide Sterilization Chamber.





### **Fast Cycle times Low Water Consumption**

Separate heated and insulated storage tanks for wash and rinse solutions provide cycle times of 6 – 9 minutes for an alkaline wash and 10 – 15 minutes for an acid wash. By returning wash solution to the storage tank and re-using it for the next wash cycle, less energy, water and chemicals are consumed.

### **Aqua Pulse Spray**

Spray emphasis from either side of the wash chamber is adjustable for duration and modulation frequency from side to side which optimizes chemical and water pressure performance during either the wash and/or rinse stage of a cycle.

### **Low-Profile Base**

The 6" base allows the washer to be placed in a shallow pit or be floor mounted.

### **Reduce Cross Contamination**

The washer sump is fully drained with a fresh water flush at the end of every rinse step. Dedicated piping for the wash and rinse solutions is also designed to reduce cross contamination.

### **Self Cleaning Filter**

The double layer, 60 mesh, stainless steel automatic self-cleaning filter is located on the load side of the washer behind a lockable service door for easy access.

### **Automatic Cart-Lock Connection**

The washer is equipped with a floor mounted; manifold coupling to divert wash/rinse solution through a bottle wash cart. The coupling connection is automatic to the accessory cart, no manual fastening required.

### **Load Bumper Rails**

The washer chamber is provided with side rails and radius curbs which help center racks and protect the oscillating spray arms from damage during loading and unloading of the washer.

### **Optional Closed Circuit TV Camera**

The 8" touch screen is capable of 32,000 colors of resolution which is perfect for an integral CCTV camera allowing operators on the loading side of the washer to view the clean side wash room area. Up to 4 CCTV cameras can be integrated into the touch screen controls package.



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### APPLICATION

The BetterBuilt R700 Series washers are automatic, heavy duty, multi-cycle, single chamber, floor loading, hydrospray washers using an oscillating high-pressure spray system with heated, insulated solution storage tanks for fast cycle times, low utilities consumption and complete coverage.

### INTERIOR CHAMBER

MODEL

W x H x L

### EXTERIOR CABINET

W x H x L

R730

48 x 88 x 90"  
1219 x 2235 x 2286mm

92 x 108 x 97.5"  
2337 x 2743 x 2477mm

Note: Model with acid tank - exterior cabinet dimensions are 117.25 x 108 x 97.5". Due to continued engineering improvements, specifications are subject to change without notice.

### STANDARD FEATURES

- Single Door Cabinet
- Pit Mounted or Floor Mounted, Low Profile 6" Base
- All Stainless Steel Construction
- Insulated Double Wall Cabinet and Door
- Manual Swing-out, Hinged Doors
- Inflatable Door Gasket for Positive Seal
- Air Piston Door Lock
- Stainless Steel Perforated Floor in Lift-up Sections
- Stainless Steel Pump and Circulatory Piping
- Stainless Steel Tank Steam Coil Heating
- Automatic Tank Level Control
- Stainless Steel Heated Alkaline and Final Rinse Tanks
- Oscillating Manifold Spray Jet System
- Dedicated Wash and Final Rinse Piping, No Cross Contamination
- Automatic Cart Lock System for Bottle Washing Carts
- Adjustable Spray Patterns
- Temperature Guarantee During All Cycle Phases
- Automatic Self-Cleaning Filter System
- Drain Discharge Cool Down
- Interior Bumper Rails, Radius Curbs
- Chemical Injection Ports, Contacts and Fittings
- Pneumatic Operated Exhaust Damper
- Illuminated Chamber Interior
- Automatic Multi Phase Treatment Cycles
- Multi-cycle Microprocessor Control System
- 8 Fully Adjustable Programmed Cycles
- 8" TFT Color Touchscreen Control Panel
- Stainless Steel Control Guard
- Program Security via Pin Number Access
- Built-in Advanced Diagnostics
- Interior Emergency Stop Cable on Both Sides
- Emergency Stop Button at Door(s)
- Service Side Exterior Stainless Steel Panels
- Non-proprietary Components

### OPTIONAL FEATURES

- Double Door Pass Thru Cabinet
- Left or Right Side Service Access
- Barrier Wall Trim to Close Wall Openings
- Seismic Anchoring
- Water Supply Temperature Booster
- Vapour Removal Condenser
- Power Exhaust Stainless Steel Blower
- Convection Air Dryer System
- Automatic Chemical Injection Pumps, Time Based
- pH Neutralization for Effluent
- Low Level Chemical Sensor
- Sampling Port
- Direct Facility Rinse
- Stainless Steel Heated Acid Tank
- Automatic Water Rack Flushing System
- VHP / Chlorine Dioxide Sterilization Capability
- Ethernet Connectivity to PLC or Touchscreen
- Factory Ethernet Connectivity for Online Diagnostics
- Modem Connectivity for Factory Diagnostics
- PLC and Touchscreen Program Backup
- Compact Flash Card for Data Collection
- RS485 Port for Data Download
- Impact or Thermal Cycle Data Printer
- Printer Cover
- CCTV Capability for Unload Side Camera
- Surge Protection
- Clean Side Buzzer
- Knocked Down Shipment

### ACCESSORIES

BWC-9	Bottle Wash Cart	VHS-9-RD	Vertical Cage Rack	UMR-9	Universal Mixed Rack
UC-6	Universal Cart	SPR-9	Split Processing Rack	MPR-9	Mice Processing Rack
UBC-6	Universal Basket Cart	UPR-9	Universal Processing Rack	ITR-6	Interior Tilt Rack

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