



R700 SERIES
HIGH EFFICIENCY
CAGE & RACK WASHERS

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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, hydro-spray 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

- Pit Mounted or Floor Mounted, Low Profile 6" Base
- All Stainless Steel Construction
- Insulated Double Wall Cabinet and Door(s)
- Manual Swing-out Hinged Door(s)
- Stainless Steel Perforated Floor in Lift-up Sections
- Stainless Steel Pump and Circulatory Piping
- Oscillating Manifold Spray Jet System
- Dedicated Wash and Final Rinse Piping
- Adjustable Spray Patterns
- Stainless Steel Steam Coil Side Tank Heating
- Temperature Guarantee During All Cycle Phases
- Drain Discharge Cool Down
- Fully Drained and Flushed Solution Sump
- Automatic Tank Level Control
- Pneumatic Operated Exhaust Damper
- Inflatable Door Gasket for Positive Seal
- Pneumatic Piston Door Lock
- Stainless Steel Heated Alkaline and Final Rinse Tanks
- External Self-Cleaning Filter System
- 5 Chemical Injection Ports, Contacts and Fittings
- Interior Bumper Rails, Radius Curbs
- Interior Emergency Stop Cable on Both Sides
- Illuminated Chamber Interior
- Emergency Stop Button at Door(s)
- Automatic Multi Phase Treatment Cycles
- 8 Fully Adjustable Programmed Cycles
- Multi-cycle Microprocessor Control System
- 8" TFT Color Touchscreen Control Panel
- Stainless Steel Control Guard
- 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
- Barrier Wall Trim to Close Wall Openings
- Seismic Anchors
- Automatic Cart Lock System for Bottle Washing Cart
- Automatic Tilt Floor
- Electric Element Side Tank Heating
- 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, Conductivity Based
- Low Level Chemical Sensor
- Sampling Port
- pH Neutralization for Effluent
- Automatic Watering Rack Flushing System
- Fogging/VHP/CD Capability
- Stainless Steel Heated Acid Wash Side Tank
- Direct Facility Rinse
- Shut-off Valves, Pressure Gauges, Water Arrestors
- Impact or Thermal Cycle Data Printer
- Printer Cover
- USB Color Printer Capability
- 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 Webs Server Connectivity
- Modem Connectivity for Factory Diagnostics
- Surge Protection
- CCTV Capability for Unload Side Camera
- Clean Side Buzzer

ACCESSORIES

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|------|-----------------------|--------|---------------------------|------|----------------------|
| BWC9 | Bottle Wash Cart | VHS9RD | Vertical Cage Rack | UMR9 | Universal Mixed Rack |
| UC6 | Universal Cart | SPR9 | Split Processing Rack | MPR9 | Mice Processing Rack |
| UBC6 | Universal Basket Cart | UPR9 | Universal Processing Rack | ITR6 | Interior Tilt Ramp |
| | | LPR9 | Large Processing Rack | | |

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