



C500 SERIES
CAGE & BOTTLE
WASHERS

www.nsc-betterbuilt.com



C500 SERIES CAGE & BOTTLE WASHERS

The BetterBuilt C500 Series Cage and Bottle Washer is designed for facilities that require a heavy duty washer with the same features as a floor mounted cage washer but in a cabinet configuration.

High Pressure Spray with Total Coverage

Wash and rinse solutions are distributed throughout the chamber by rotating spray arms positioned for complete coverage. Three spray arms are driven by water pressure; one from below, one from each side and one from the top.

Guaranteed Temperatures Throughout the Process 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 process and for guaranteed bacteria kill during final rinse.

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.



Choice Of Cabinet Size and Door Configuration

You can order your C500 Series washer in one of two cabinet sizes, with a single door or with two doors for pass-thru operation. We also offer drop down doors or vertical lift doors, whichever works best for your facility. Drop down doors become a convenient loading platform in the open position and vertical lift doors provide extra space in those smaller cage wash rooms.

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.

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.

Solid Construction for Durability

All BetterBuilt washers are built for years of service. Stainless steel cabinets and doors are fully welded and polished to a satin finish. The complete solution circulation system, including pumps, flanges and pipe connections are constructed of stainless steel for compatibility with mild acid and alkaline detergents. No plastic or rubber piping connections are used.



LOADING EQUIPMENT & ACCESSORIES

- HIGH CAPACITY LOADING RACK SYSTEM (VHS5) FOR THE C550 HOLDS 72 STANDARD MOUSE CAGES OR 12 RAT CAGES PER LOAD
- HIGH CAPACITY LOADING RACK SYSTEM (VHS5) FOR THE C520 HOLDS 48 STANDARD MOUSE CAGES OR 6 RAT CAGES PER LOAD
- CAPACITY VARIES BASED ON CAGE SIZES USED BY THE FACILITY
- CUSTOM LOADING RACKS ARE AVAILABLE
- FOR BOTTLE WASHING AND GENERAL CLEANING THE BOTTOM ROTARY HEADER (BRH) CART IS USED



C500 SERIES CAGE & BOTTLE WASHERS

APPLICATION

The BetterBuilt C500 Series Washers are automatic, heavy duty, multi-cycle, single chamber, cabinet type, hydro-spray washers using an overlapping, rotary spray arm system for complete coverage.

Note: Due to continued engineering improvements, specifications are subject to change without notice.

MODEL	INTERIOR CHAMBER W x H x D	EXTERIOR CABINET W x H x D
C520	45 x 32 x 32" 1143 x 813 x 813mm	70.5 x 78 x 38" 1791 X 1981 X 965mm
C550	45 x 32 x 42" 1143 x 813 x 1067mm	70.5 x 78 x 52" 1791 X 1981 X 1321mm

STANDARD FEATURES

- Floor Mounted
- All Stainless Steel Construction
- Insulated Double Wall Cabinet and Door(s)
- Manual Drop-down Hinged Door(s)
- Interior Loading Track for Accessories
- Stainless Steel Pump and Circulatory Piping
- Overlapping Rotary Spray System
- Adjustable Spray Patterns
- Automatic Manifold Connection to Accessories
- Temperature Guarantee During All Cycle Phases
- Water Conservation System
- Drain Discharge Cool Down
- Fully Drained and Flushed Solution Sump
- Automatic Sump Level Control
- Double Level Debris Screens in Wash Chamber
- External Self Cleaning Debris Filter
- 5 Chemical Injection Ports, Contacts and Fittings
- Pneumatic Operated Exhaust Damper
- 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
- Vertical Lift Door
- Barrier Wall Trim to Close Wall Openings
- Seismic Anchors
- Water Supply Temperature Steam Booster (60°F to 180°F)
- Water Supply Temperature Steam Booster (120°F to 180°F)
- Water Supply Temperature Electric Booster (120°F to 180°F)
- Stainless Steel Steam Coil Sump Heating
- Electric Element Sump 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, Time Based
- Low Level Chemical Sensor
- Sampling Port
- pH Neutralization for Effluent
- 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 Touchscren 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

ACCESSORIES

BRH5 Bottom Rotary Header

VHS5 Vertical Header System
VHS5R Cage Rack

TT5 Transfer Cart

DIVISION OF NORTHWESTERN SYSTEMS CORP

7601 MacDonald Road • Delta, British Columbia • Canada V4G 1N3

888-553-0855 • Tel: 604-952-0925 • Fax: 604-952-0941
www.nsc-betterbuilt.com • info@nsc-betterbuilt.com