

# Battery Washing Equipment



MTC, founded in 1946, is here to help you comply with state and federal environmental regulations with safe, efficient and economical battery washing equipment to handle your forklift battery washing needs. Regular cleaning with MTC wash racks and wash cabinets configured with an MTC recirculation system can extend the life of your forklift battery fleet and greatly reduce the amount of wastewater released, keeping the environment safe.

# Battery Wash Cabinets

**Regularly scheduled cleaning can prevent acid buildup and extend the life of your forklift batteries.**



The wash cabinets are designed to wash lift truck batteries in a completely enclosed environment and then "blow dry" the batteries as they are removed.

The two panel door allows these cabinets to fit into areas with overhead obstructions as low as 9 feet. The wash cabinet is easy to maintain and the adjustable air and water nozzles let you adapt to the variety of batteries in your facility.



*Adjustable air and water nozzles*

## Available Models

**WCA2-SS      WCA2-OH-SS\*\*\***

**WCA2-SS-PR\*    WCA2-OH-SS-SB**

**WCA2-SS-SB\*\*    WCA2-1C-SS\*\*\*\***

**WCA2-1C-SS-SB**

*\*PR – Powered rollers*

*\*\* SB – Bottom scrub brush and powered rollers*

*\*\*\* OH – Overhead loading (HTG models)*

*\*\*\*\* 1C – Infeed conveyor model (PCHE systems)*

## Features & Benefits

- Stainless steel construction and roller shafts are acid resistant, which ensures durability
- Non-metallic air and water lines provide trouble free operation and promote ease of maintenance
- Adjustable water nozzles rinse batteries in a completely enclosed environment
- Adjustable air nozzles "blow dry" the batteries as they are removed
- Touchscreen allows simple operation and alerts the operator of conditions requiring correction
- 120-Volt primary voltage with 24-Volt DC secondary voltage

## Available Options

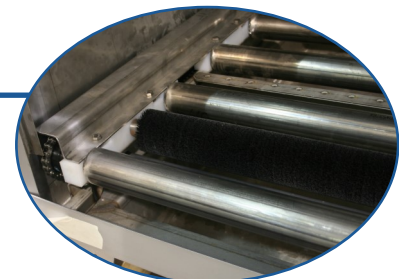
- Powered rollers for front loading only (-PR)
- Rotary bottom scrub brush and powered roller (-SB)
- Infeed conveyor for Power Changer Systems (-1C)
- Infeed conveyor for Overhead Load In Systems (OH)



**Model Shown: WCA2-SS**

*The WCA2-SS is equipped with a pneumatic door, two entry rollers and inlaid UHMW slide strips.*

**All MTC Wash Cabinet models are equipped with a touchscreen**



**Model Shown: WCA2-SS-SB**

*The WCA2-SS-SB is equipped with a pneumatic door, powered rollers and a rotary scrub brush that cleans the underside of battery during entry and exit*



# Battery Wash Cabinets



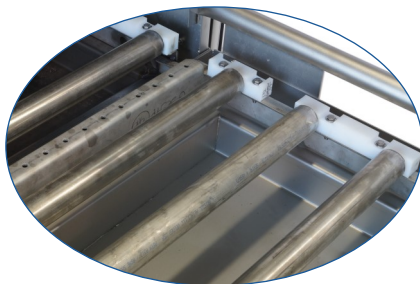
## Infeed Conveyor Models

The MTC Wash Cabinets utilize heavy-duty stainless steel construction to ensure long life and trouble free operation.

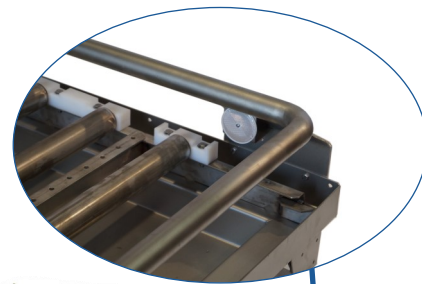
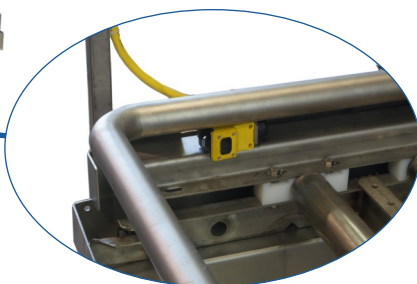
Overhead loading options are available for HTG Models (-OH) and Infeed Conveyor Models for PCHE2 Systems (-1C)



**Model Shown: WCA2-OH-SS**



**Both conveyors use powered rollers, photo sensors and limit switches to ensure safe loading and unloading of the battery.**



**Model Shown: WCA2-1C-SS**

**WCA2-1C uses photo sensors and reflectors to ensure the battery pullers align before a battery may be loaded or unloaded.**



## Features and Benefits

- 100% continuous duty rating
- Durable cast iron design
- Extended pump life
- Ease of service and maintenance

**All WCA units use compressed air to operate the door and for the drying nozzles**

Specifications	Air Compressor
Capacity	60 Gal / 227 L
Voltage	460V
Horsepower	5
Pressure	175 PSI / 1207 kPA

# Wash Cabinets Specifications

MODEL NO.	WCA-SS	WCA-SS-PR	WCA-OH-SS	WCA-1C-SS
Frame Construction	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Air Inlet Size	1" NPT (26 mm)	1" (26 mm) NPT	1" (26 mm) NPT	1" (26 mm) NPT
Air Supply Required	90 PSI (621 kPa)	90 PSI (621 kPa)	90 PSI (621 kPa)	90 PSI (621 kPa)
Air Compressor Required (H.P. / Capacity)	See Note on previous page	See Note on previous page	See Note on previous page	See Note on previous page
Air Blow Off Cycle Time	0 - 10:59 Min: Seconds	0 - 10:59 Min: Seconds	0 - 10:59 Min: Seconds	0 - 10:59 Min: Seconds
Air Hoses Adjustable?	Yes	Yes	Yes	Yes
Water Inlet Size	0.75" (20 mm) Hose Fitting	0.75" (20 mm) Hose Fitting	0.75" (20 mm) Hose Fitting	0.75" (20 mm) Hose Fitting
Water Supply/Min Flow Rate	Municipal Water Supply, 30 PSI (207 kPa) /11 GPM (42 LPM)			
Water Nozzles Adjustable	Yes	Yes	Yes	Yes
Air Blow Off and Water Line Construction	PVC SCH 80	PVC SCH 80	PVC SCH 80	PVC SCH 80
Pneumatic Sump Pump Included	Yes, 13 GPM / 50 LPM	Yes, 13 GPM / 50 LPM	Yes, 13 GPM / 50 LPM	Yes, 13 GPM / 50 LPM
Sump Outlet Size	0.75" (20 mm) Hose Fitting	0.75" (20 mm) Hose Fitting	0.75" (20 mm) Hose Fitting	0.75" (20 mm) Hose Fitting
Drain Plug Size	0.75" (20 mm)	0.75" (20 mm)	0.75" (20 mm)	0.75" (20 mm)
Drain Base Capacity	32 gal (121 L)	32 gal (121 L)	32 gal (121 L)	32 gal (121 L)
Conveyor Drain Base Capacity	N/A	N/A	32 gal (121 L)	32 gal (121 L)
Input Voltage Required	120 VAC Standard			
System AMP Draw	2 Amps	12 Amps	22 Amps	22 Amps
Control (Pendant) Voltage	24 V.D.C.	24 V.D.C.	24 V.D.C.	24 V.D.C.
Door Raise / Lower Mechanism	Dual Pneumatic Cylinders			
Wash Cycle Length	5-150 Seconds	5-150 Seconds	5-150 Seconds	5-150 Seconds
Number of Rollers Inside Wash Cabinet	2 Rollers + UHMW Slide Strips	6 Powered Rollers	6 Powered Rollers	6 Powered Rollers
Roller Frame Type	Stainless Steel w/ Stainless Steel Rollers	Stainless Steel w/ Stainless Steel Rollers	Stainless Steel w/ Stainless Steel Rollers	Stainless Steel w/ Stainless Steel Rollers
Max. Weight Capacity	5,000 lbs. (2,268 kg)	5,000 lbs. (2,268 kg)	5,000 lbs. (2,268 kg)	5,000 lbs. (2,268 kg)

# Wash Cabinets Specifications

MODEL NO.	WCA-SS	WCA-SS-PR	WCA-OH-SS	WCA-1C-SS
Overall Length (Without Plumbing)	63" (1,600 mm)	63" (1,600 mm)	120" (3,048 mm)	120" (3,048 mm)
Overall Width (Less Pendant)	64" (1,626 mm)	64" (1,626 mm)	64" (1,626 mm)	64" (1,626 mm)
Overall Width (With Pendant)	85" (2,159 mm)	85" (2,159 mm)	N/A	N/A
Overall Height (Door Lowered)	71" - 75" (1,804 mm - 1,905 mm)			
Overall Height (Door Raised)	106" - 110" (2,693 mm - 2,794 mm)			
Roller Height (Floor to the top of the rollers)	11" - 15" (280 mm - 381 mm)			
Max. Battery Length	49" (1,245 mm)	49" (1,245 mm)	49" (1,245 mm)	49" (1,245 mm)
Max. Battery Width	40" (1,016 mm)	40" (1,016 mm)	40" (1,016 mm)	40" (1,016 mm)
Max. Battery Height	42" (1067 mm)	42" (1067 mm)	42" (1067 mm)	42" (1067 mm)
Min. Battery Length	20" (508 mm)	20" (508 mm)	20" (508 mm)	20" (508 mm)
Min. Battery Width	6" (153 mm)	6" (153 mm)	6" (153 mm)	6" (153 mm)
Min. Battery Height	19" (483 mm)	19" (483 mm)	19" (483 mm)	19" (483 mm)



Model Shown:  
WCA2-SS



Model Shown:  
WCA2-SS-PR



Model Shown:  
WCA2-OH-SS



Model Shown:  
WCA2-1C-SS

# Battery Wash Racks

**MTC Battery Wash Racks are acid resistant for long life and reduced maintenance**



MTC Wash Racks are constructed from heavy duty stainless steel and have three walls that catch overspray. These racks are available in Envirowood™ (for overhead loading models) and stainless rollers with slide strips for front loading models.

## Available Models

**WRR2-SS \***    **WR-OH-SS \*\*\***  
**WR-SS-P\*\***    **WR-OH-SS-P-SH72 \*\*\*\***

\*SS – Stainless steel

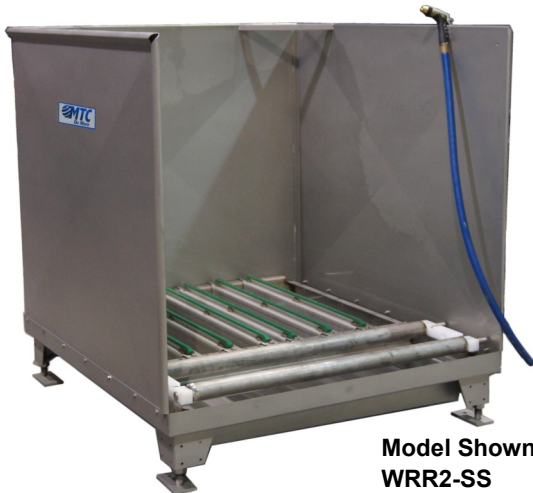
\*\*P – Portable

\*\*\*OH – Overhead loading (HTG models)

\*\*\*SH – Special height

## Features & Benefits

- Stainless steel construction and roller shafts are acid resistant to ensure durability
- Adjustable legs to accommodate various load-in heights and unlevel floors; 11" - 15" (280 mm - 381 mm)
- Built-in drain tray with 1" (26 mm) Pipe coupling removes sediment
- System designed to accept sump pump assembly in drain tray
- Operates with the MTC designed recirculating water system



Model Shown:  
WRR2-SS



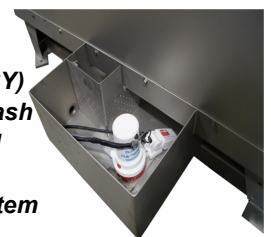
Model Shown:  
WR-OH-SS

SPECIFICATIONS	WRR2-SS	WR-OH-SS	WR-OH-SS-P-SH72
Overall Width	62" (1575 mm)	62" (1575 mm)	62" (1575 mm)
Overall Depth	57" (1448 mm)	57" (1448 mm)	58" (1473 mm)
Overall Height	53" (1346 mm)	53" (1346 mm)	88" (2235 mm)
Height from floor to the top of rollers	11" (280 mm)	11" (280 mm)	14" * (356 mm)
Wash Deck Area	49" x 55" (1245 mm x 1397 mm)	49" x 55" (1245 mm x 1397 mm)	49" x 55" (1245 mm x 1397 mm)
Wash Deck Material	SS Rollers + UHMW Slide Strips	Envirowood	Envirowood
Drain Tray Capacity	32 gal (122 L)	32 gal (122 L)	32 gal (122 L)
Max Weight Capacity	5000 Lbs (2268 Kg)	5000 Lbs (2268 Kg)	5000 Lbs. (2268 kg)

## Available Options

- Overhead Loading for HTG Models (-OH)
- Sump Assembly (WR2-SUMP-ASSY)
- Portable Base (-P)
- Special Height (SH)

**Sump assembly (WR2-SUMP-ASSY) is required for wash racks being used with the H2O recirculating system**



\*Adjustable height and can be custom ordered



# Portable Wash Rack with Overhead Loading

***Designed to be moved from one location to the next for companies that have batteries at different locations***



The WR-OH-SS-P is designed for overhead load-in, using an overhead crane and lifting beam.

When the WR-OH-SS-P arrives at your location, it is moved by fork truck to the battery changing area.

Customer is responsible for the proper disposal and handling of contaminated water in accordance with local environmental law.



**Maximum Battery width: 45" (1143 mm)**  
**Maximum Battery length: 55" (1397 mm)**

## Features & Benefits

- All stainless steel exterior assures long life and ease of sanitation
- Easy to install and ready to operate
- Construction is formed panel and channel stainless steel
- Unit can be transported from one facility to the next
- Unit can be moved around the facility using a fork truck

## Available Options

- Extended Walls for special height (-SH)
- Stainless steel rollers for front load-in
- Sump Pump (WR2-SUMP-ASSY)



***Sump assembly (WR2-SUMP-ASSY) is required for wash racks being used with recirculating system***

# Recirculating Water Systems

**Controls, filters, analyzes and recirculates water for cleaning industrial lift truck batteries**



**Model Shown:**  
**H2O-150SS-2**

The MTC Recirculating Water System monitors the battery wash process and alerts the user of any conditions that requires attention. It will also monitor and maintain pH levels by controlling neutralizer injection and recirculation as required, and it filters water both internally and as returned from the battery wash system.

The Water Recirculating System, combined with an MTC Wash Cabinet or MTC Wash Rack, forms a closed loop system that contains and controls the water used for rinsing batteries. Rather than the water going to wastewater storage, it is pumped back into the reservoir to be used again repeatedly.

The LNC/Ozone Auto Injection System is a standard feature of the MTC Recirculating System.

This injection system automatically adds LNC Liquid Neutralizer and continuously introduces ozone into the system's water.

## Features & Benefits

- Acid resistant and stainless steel construction
- 24-Volt control
- Touchscreen interface
- Automatic low pH shut-off
- Supplies ozone purification system
- Automatic LNC injections
- Eliminates all acid drain requirements
- Safe and Easy to Operate
- Works with Wash Cabinets and Wash Racks

### NOTE:

*Utilities and air supply to be provided by the customer.*

*Customer is responsible for the proper disposal and handling of contaminated water in accordance with local environmental law.*

*\*Requires liquid neutralizer, MTC-LNC or equivalent for pH balancing.*

*\*Always wear proper protection (MTC Model: SK-1 or equivalent) when handling or servicing industrial batteries.*



**Touchscreen allows simple operation and control**

## Available Models

**H2O-150SS-2**  
**H2O-300SS-2**

## Available Options

**150 Gallon Reservoir**  
**300 Gallon Reservoir**

SPECIFICATIONS	H2O-150SS-2	H2O-300SS-2
Overall Width	48" (1220 mm)	37" (940 mm)
Overall Depth	51" (1296 mm)	81" (2057 mm)
Overall Height	60" (1524 mm)	59" (1499 mm)
Flow	12 G.P.M. (46 L.P.M.)	12 G.P.M. (46 L.P.M.)
Pressure	50 P.S.I (345 kPa)	50 P.S.I (345 kPa)
Voltage	120V	120V
Reservoir Storage Capacity	150 gal (568 L)	300 gal (1136 L)

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