



AUTOMATIC BATTERY MAID

Carney's ABM allows you to enjoy the benefits of battery washing without the usual risk and mess associated with traditional pressure cleaning in manual battery wash stations. The automated wash and drying features are housed within a self-contained unit that is user-friendly and simple to use.

The ABM utilizes its power interlock door system, automated acid neutralization and programmable washing and drying cycles, coupled with a digital PH interface to provide the fastest, safest, and most reliable battery cleaning system available today.

The system accommodates for both lift-out and roll-out battery systems and offers the highest available wash pressure of 100PSI and flow rate of 16GPM delivered across the entire battery, regardless of size, by our powered oscillating wash arm. If you're after the most efficient and environmentally friendly way to keep your battery fleet clean and performing at its best the ABM is the only logical choice.

GET IN TOUCH

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www.carneybatteryhandling.com

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Toll free: 1.866.THE.BULL

2A - 14 Reagan Road
Brampton Ontario L7A 1B9

Automatic Battery Maid

Features and Benefits

- Stainless steel and PVC construction

Equipped with a stainless steel body and PVC accessories for maximum corrosion resistance, durability and easy cleaning.

- Safe and flexible loading

Powered or manual door option and a flip top permits both roll-out and lift-out battery loading.

- Unmatched cleaning power

Highest flow rate (16GPM) and wash pressure (100PSI) matched with adjustable powered oscillating wash arm.

- Mandatory safety features

Ground fault shutdown and water overflow protection.

- Closed loop integration

Compatible with the CBH Waste Water Treatment System to support closed loop washing.

- Fully programmable

Simple PLC interface provides an assortment of programming options including; washing and drying cycles, to suit your fleet and schedules.

- Easy to read user interface

Clear digital PH meter allows precise PH monitoring for automated neutralization.

- Environmentally compliant

with all environmental regulations for battery washing when used alongside the CBH WWTS.

Available Options

SYSTEM STANDARDS

| |
|--|
| Acid proof rollers with stainless steel shafts |
| Non-conductive clear lexan doors |
| Removable stainless steel trash screen |
| Automatic low water shutoff |
| PH indicator |
| Push button start up |
| Automatic neutralizer dispensing |
| All operations are interlocked with door |
| Ground fault circuit protection |

OPTIONS

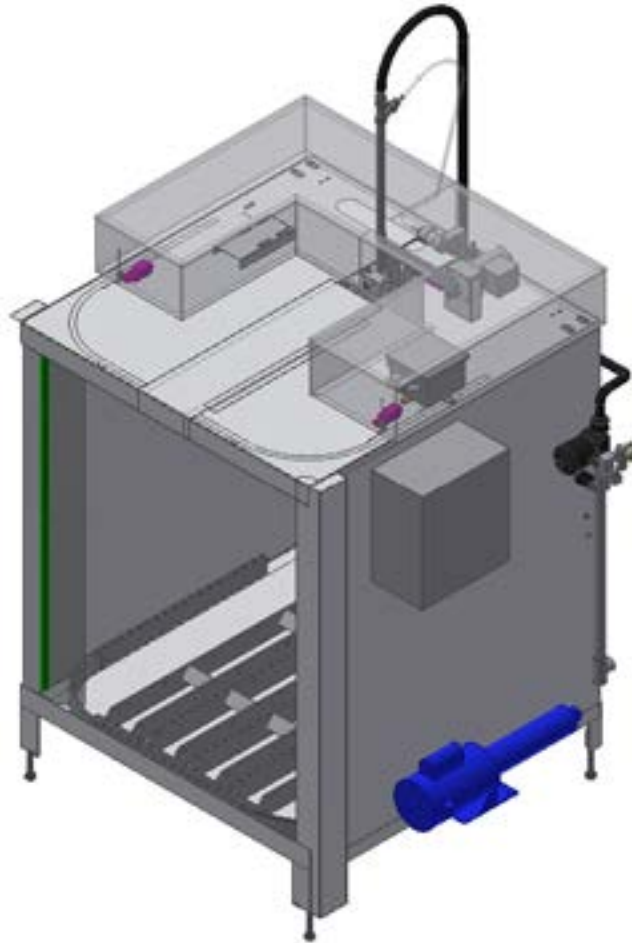
| |
|---------------------|
| Custom sizes |
| Powered conveyor |
| Manual door |

GENERAL SPECIFICATIONS

| |
|---|
| Power supply (120 VAC/1phase/21 amps) |
| Overall operation (PLC driven) |
| Air supply (3/4' line @ 90-140 PSI, 350-400 CFM free air) |
| Capacity (6,000lbs) |
| Performance (16GPM @ 100PSI) |
| Construction (14ga stainless steel) |
| Legs (Adjustable for leveling 3/4" S.S Bolt) |
| Door operation (Automatic powered (PD or MD)) |
| Weight (Dry) (1400lbs) |
| Loading (roll in or overhead) |

Automatic Battery Maid

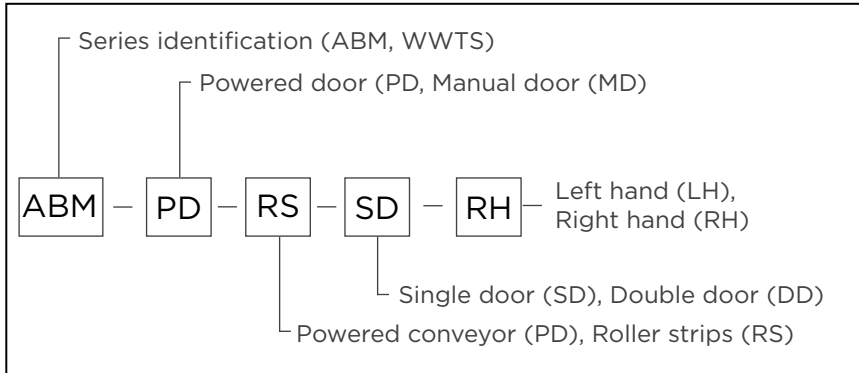
DIMENSIONS



| DIMENSIONS | | |
|-------------------------|---------------------|-------------------|
| Type | Standard Dimensions | Metric Dimensions |
| Overall depth (inside) | 46" | 1168mm |
| Overall width (inside) | 44" | 1118mm |
| Overall height (inside) | 42" | 1067mm |
| Door access width | 37 1/2" | 952.5mm |
| Door access height | 49 1/4" | 1251mm |
| Minimum battery length | 16" | 406mm |
| Minimum battery width | 6" | 152mm |
| Minimum battery height | 12" | 305mm |
| Maximum battery length | 45" | 1143mm |
| Maximum battery width | 36" | 914.4mm |
| Maximum battery height | 36" | 914.4mm |

Model/Part Number Breakdown

Example: ABM-PD-RS-SD-RH



ABM - removable stainless steel roller strips



ABM - with attachable WWTS (Wastewater Treatment System)

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CBH_ABM_NA_R001



WASTE WATER TREATMENT SYSTEM

With an increased focus on both environmental impact and safety practices in today's workplace, the handling and disposing of hazardous waste by-products from battery washing can be a complicated and expensive task.

Our Wastewater Treatment System (WWTS) allows for fast, easy, safe and most importantly, environmentally friendly handling and disposal of your battery washing contaminants. Engineered and constructed as a stand-alone unit, the WWTS works directly with our Automated Battery Maid (ABM), however it can be modified to accommodate any battery wash system in your facility.

The WWTS provided a clean 'white glove' approach to handling and managing the contaminants by preventing them from re-entering the environment, separating contaminants into a filtered tank for removal and disposal while reclaiming <98% of the water for re-use.

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Waste Water Treatment System

Features and Benefits

- Self contained system

A stand-alone closed-loop system with no requirements for floor drains or other connections.

- Highest water efficiency

More than 98% of the system's water is re-claimed and reused after each purging cycle.

- High throughput capabilities

Will filter and recycle contaminated water within minutes, to allow clean and continuous battery washing.

- Easy to operate

100% clear PVC reservoir allows the operator to visually monitor the quality of the battery wash water as it is being used.

- System Integration

Fully integrated control system is designed to work with our "Battery Maid" but can also be modified to accommodate other wash systems or operate as a stand-alone unit.

- Built-In unit protection

Operator ground fault protection and low water supply cut-off switch, protects the pump from running dry.

- Revolutionary filtering technology

A custom designed flocculent is used to encapsulate all the heavy metals. It also creates a large flock to enhance the filtering process.

Available Options

SYSTEM STANDARDS

| |
|---|
| AC power supply |
| Standard product warranty |
| Compatibility with the CBH Battery Maid |

OPTIONS

| |
|---------------------------------------|
| Extended warranty and service program |
| Colours & finish |
| Magic powder flocculent |
| Filter media kit |

GENERAL SPECIFICATIONS

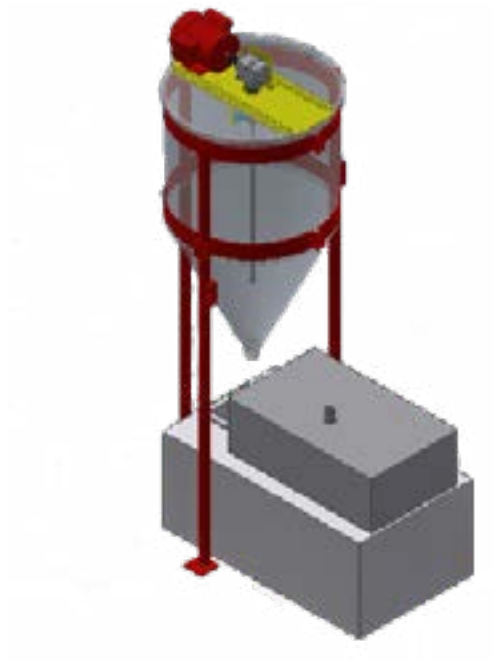
| |
|--|
| AC power supply (110/120/VAC - 1 phase @ 15 A) |
| Current drawn (8.4A for 120V NA, 6.0A for 230V EUR) |
| Chassis construction (Fully welded sch. 40 tube) |
| Upper reservoir (Fully welded 1/4' clear PVC) |
| Lower reservoir (Fully welded stainless steel) |
| Filter box (1/4' PVC) |
| Water supply (1/2' garden hose @ street pressure 5gpm) |
| Service weight (empty 180kgs) (full 483kgs) |

Fluid Capacities

| |
|------------------------------------|
| Upper reservoir (80 US gal (303L)) |
| Lower reservoir (78 US gal (295L)) |
| Filter box (26 US gal (98L)) |

Waste Water Treatment System

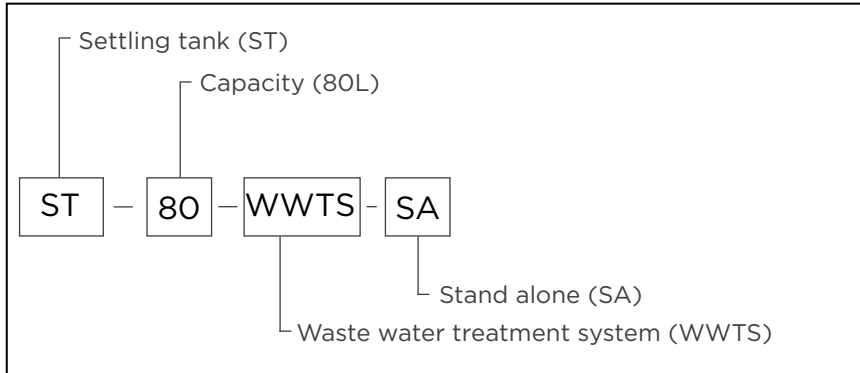
DIMENSIONS



| DIMENSIONS | | |
|-----------------|---------------------|-------------------|
| Type | Standard Dimensions | Metric Dimensions |
| Overall length | 52" | 1320mm |
| Overall width | 52" | 1320mm |
| Overall height | 98" | 2490mm |
| Shipping height | 94" | 2390mm |

Model/Part Number Breakdown

Example: ST-80-WWTS-SA



WWTS - filled with waste water and in operation



ABM - with attachable WWTS (Wastewater Treatment System)

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