

Accessories
Battery Watering Devices



BHS supplies a complete line of Battery Watering Devices to efficiently water industrial lift truck batteries.

10 Gallon Mobile Bladder Tank

Features & Benefits

- Sturdy 10 gal (37.8 L) heavy duty steel tank
- Unlimited mobility range since AC power is not required for operation
- Quick-Connect provides easy connection of input hose to building's water supply to efficiently fill the tank
- Capacity gauge on the top of the tank indicates tank fullness
- Utilizes building's water pressure with "pressure memory" to deliver water to batteries anywhere in a facility, eliminating need for pumps
- Internal air bladder provides pressure necessary for water flow
- 18' (5.5 m) of 5/8" (16 mm) high output industrial hose
- Maximum capacity of 10 gal (37.8 L) is achieved when the tank is pressurized to 80 psi (5.5 Bar)

Product Specifications

Capacity	10 gal / 37.8 L
Overall Height	41" / 1041 mm
Overall Width	17" / 432 mm
Empty Weight	60 lb / 27.2 kg
Wheel Size	8" / 203 mm ball bearing

Note: Very low water pressure may require a booster pump.



BTM-10

10 Gallon Watering Cart DC Powered

Features & Benefits

- Sturdy 10 gal (37.8 L) polypropylene tank with large cap for easy filling and 9' (2.7 m) hose
- Unlimited mobility range since AC power is not required for operation
- 2 wheel configuration allows for easy maneuvering
- DC powered from built-in 12 V, sealed cell, rechargeable battery
- Battery charger plugs into any 110/120 V ac wall outlet
- Charger shuts off when full charge is achieved
- Water Gun (WG-X) included for use without an injector system
- Turns on and off by squeezing and releasing Water Gun trigger

Product Specifications

Capacity	10 gal / 37.8 L
Overall Height	37" / 940 mm
Overall Width	17" / 432 mm
Overall Depth	17" / 432 mm
Empty Weight	30 lb / 13.6 kg



WC-HYDRO-DC

10 Gallon Watering Cart AC Powered

Features & Benefits

- Sturdy 10 gal (37.8 L) polypropylene tank plugs into any 110 V ac outlet
- Designed for small to mid-range operations
- Easy to transport
- 23' (7 m) total reach with 13' (3.9 m) power cord and 10' (3 m) kink-resistant hose
- Flow indicator on the Instant Valve Pro signals when the injectors have shut off and it is time to disconnect
- Submersible pump mounted inside the tank delivers the pressure and volume required by the water injector system
- Water Gun (WG-X) included for use without an injector system

Product Specifications

Capacity	10 gal / 37.8 L
Overall Height	35" / 889 mm
Overall Width	15" / 381 mm
Empty Weight	31 lb / 14.1 kg
Power	110 V ac / 8.5 A
Wheel Size	8" / 203 mm ball bearing



WC-HYDRO-10

20 Gallon Watering Cart AC Powered

Features & Benefits

- Sturdy 20 gal (75.7 L) polypropylene tank plugs into any 110 V ac outlet
- On/off switch and power indicator located on front of unit
- 30' (9.14 m) total reach with 15' (4.6 m) power cord plus 15' (4.6 m) of 5/8" (16 mm) high output industrial hose
- Flow indicator on the Instant Valve Pro signals when the injectors have shut off and it is time to disconnect
- Submersible pump mounted inside the tank delivers the pressure and volume required by the water injector system
- Water Gun (WG-X) included for use without an injector system

Product Specifications

Capacity	20 gal / 75.7 L
Overall Height	40.6" / 1031 mm
Overall Width	19.7" / 500 mm
Empty Weight	59 lb / 26.8 kg
Power	110 V ac / 8.5 A
Wheel Size	8" / 203 mm ball bearing



WC-HYDRO-20

BE Mounted Water Tank

The BE-WC-SS is designed to mount on the rear of all standard SL, DS, TS, QS and MT series Operator Aboard Battery Extractors (BE). The BE-WC-SS is designed for battery fleets with single point watering systems but can be used with the manual Water Gun (WG-X) if needed.

Features & Benefits

- Sturdy 26 gal (98.4 L) stainless steel tank
- All internal components are corrosion and rust resistant materials
- Slim line design adds less than 13" (330 mm) to overall length of BE
- Powered by AC supplied from BE
- 15' (4.57 m) output hose
- Visual water level indicator
- Light indication on switch enclosure allows operator to monitor status during the watering process (Green: pump is on, Yellow: add water, Orange: low water cut out)
- Low water cut out prevents pump from running when water level is too low
- Easy fill port with built in screen strainer to help keep unwanted debris from tank
- Internal baffles and gasket top cover minimize water motion and leak potential
- Modular pump and level switch mounting for easy removal when service is required
- Drain port for cleaning and/or service when required
- Easy field installation on existing BHS BEs in service (consult factory for compatibility with BE's manufactured prior to January 2010)

Pump Construction

- Fully submersible, pressure rated, multi-impeller design pump runs quietly and efficiently
- Double ball bearing shaft
- Stainless steel shaft, inlet screen and motor housing
- Ceramic shaft sleeve seals
- Built-in overload protection
- Environmentally safe oil-free design

Product Specifications

Overall Dimensions¹ (W x H x D)	27.75" x 40.5" x 13.44" 705 mm x 1029 mm x 341 mm
Capacity	26 gal with 4.2 gal low water reserve 98.4 L with 16 L low water reserve
Empty Weight	136 lb / 61.7 kg
Voltage	120 V / 1 ph / 60 Hz
Current Draw	8.2 A
Horse Power	0.75 HP
Power	900 W
Pressure²	52 psi Max*
Flow Rate³	0 to 25 gal/min

¹ Depth when mounted on BE is 12.625" (321 mm)

² Pressure reducing regulators available if required

³ Flow is variable as demand requires



BE-WC-SS

Water Deionizing System

The Water Deionizing System (WDS-1) purifies water straight from the tap to maximize battery performance and also includes a purity light which monitors the system's status.

Features & Benefits

- Prevents poor battery performance from impurities in hard water
- Complete solution to begin purifying water from the tap, including mounting plate and hose hanger
- Operates at full-line pressure to dispense pure water directly from the deionizer
- A single cartridge can produce an average of 600 gal (2271 L) of purified water (amount varies with quality of incoming water)
- Quick cartridge replacement requires no tools and convenient disposal of non-toxic contents
- Cartridge takes full-line pressure up to 80 psi and can be used directly with Water Gun (WG-X)
- Battery operated purity light indicates when cartridge needs to be replaced, eliminating need for AC power

Product Specifications

Flow Rate	0.5 gal/min / 1.9 L/min (with provided restrictor)
Purity Light Power	2 D-cell batteries (included) with estimated 2 year life
Purity Light Setting	50 ppm total dissolved solids
Mounting Plate	44" x 6" / 1118 mm x 152 mm
Disposable Cartridge	27" x 4.5" / 686 mm x 114 mm
Hose	3/8" x 10' / 9.5 mm x 3.05 m input 3/8" x 20' / 9.5 mm x 6.1 m output, garden hose thread fittings



WDS-1

Water Gun

The Water Gun (WG-X) is compact, lightweight, and easy to use for watering batteries quickly. The WG-X features an automatic shutoff for added convenience and improved filling accuracy.

Features & Benefits

- Ergonomically designed with an easy to squeeze handle and 45 degree nozzle
- Fast 1.7 gal/min (6.4 L/min) fill speed, delivering a precise flow rate
- Flow indicator shows when filling has stopped
- Non-electric, automatic shutoff mechanism
- Post shutoff drip eliminated
- Secure level control will not move over time, but is adjustable or removable, and is beveled to conform to vent wells at many angles
- Flow diffuser converts the rapid flow to a gentle spray and protects the nozzle from damage
- Built from durable engineered ABS plastic



WG-X

Integrated Watering System

The Integrated Watering System (IWS) streamlines battery maintenance and eliminates laborious manual watering. The IWS enables automatic delivery of water to each individual battery once a full charge has been achieved. The system works in conjunction with the battery charger end of cycle shutdown to initiate the watering of the battery. A module connects into the DC output of the charger for its power. Each module is matched to the battery voltage type being serviced. The IWS is designed to be turned on and off manually so over-watering is eliminated. A typical application would have the unit on for a 24 hour period every week dependent on environmental conditions that might cause more or less watering requirements.

Features & Benefits

- Automatic watering of multiple batteries
- IWS is designed to mount on the charger cabinet, eliminating cumbersome water carts, watering hoses, etc.
- Quick easy connection to batteries when connecting to chargers
- Maximize battery life with precise and consistent watering
- Operates from any available water supply with a minimum of 25 PSI and flow minimum of 5 gal/min (dependent upon fleet size being serviced)
- Eliminates labor of a manual watering process
- Reduce overflow of water and electrolyte keeping battery acid levels consistent
- Reduces corrosion build up due to over-watering and acid spillage
- System can be adapted to most common watering strings

