

Stealth Watering System™

DC Watering Cart (FLT-DC12)



Philadelphia Scientific®
industrial battery innovation

Installation:

1. The unit is shipped in one carton and is completely assembled. The battery charger is the only part not attached to the cart.
2. Federal Regulations require battery-powered equipment to be shipped with the battery disconnected. Before using the cart, **connect the battery**: Open the back cover of the cart. Locate the red and black wires with Quick-Connect connectors. Plug the male connector into the female connector and close the back cover. Warning: Battery posts, terminals and related accessories contain lead and lead compounds. Wash hands after handling.

Charging the Battery:

1. Only the charger unit provided should be used to charge the battery. Any other charger may cause overcharging which will cause permanent battery damage.
2. The battery needs only 10 hours to fully charge. To charge the battery, plug into any indoor 120-volt grounded socket. Ground fault interrupter circuits are recommended. To prevent electric shock, do not charge outdoors or in wet areas. Unplug the charger after an overnight charge. The charger will not damage the battery if left connected for longer periods; see the charger manual for important safety instructions.

NOTE

A weak battery will cause low water pressure and the Stealth Valves may not shut off properly.

This water supply is not for use with Philadelphia Scientific® Water Injectors™

Operation Instructions:

1. Remove the black cap and fill tank with deionized water. Replace the black cap when full.
2. Turn the power switch to the ON position. The switch is located on the back of the cart. The pump will come on for a few seconds and switch off by itself.
3. Attach the output hose on the watering cart to the Quick-Connect on the Stealth Watering System™. Filling will begin as soon as they are connected.
4. Once the spinner stops and all the yellow indicators on each float are visible, the battery filling is complete. The Spinner may not come to a complete stop, especially in larger systems. The battery is filled when the Spinner slows enough to clearly see the inner blades/vanes.
5. Disconnect the Quick-Connect to stop flow.
6. Continue to the next battery. Repeat as needed.
7. Turn off cart when the watering of batteries is complete. Charge the battery as needed. The battery only needs 10 hours to fully charge; see the charger manual for important safety instructions.



HEALTH AND SAFETY PRECAUTIONS
 Batteries contain sulphuric acid, always wear approved protective clothing (gloves, goggles and apron).



VRLA Battery 12 VDC 7.5Ah/20 Hour

Used in DC Powered Watering Carts **WARNING:** Battery posts, terminals and related accessories contain lead and lead compounds. Wash hands after handling.



Max run time between charging is 60 minutes.

Recommended runtime between charging is 40 minutes to extend battery cycle life. 60 minutes of runtime is ~ 90 gallons of water.

40 minutes of runtime is ~ 60 gallons of water.

This table illustrates runtime vs expected cycling life. This is for cumulative run time between charging			
Water Dispensed (gal/liters)	Cumulative Run Time (min)	Depth of Discharge	Expected Cycles
15/56.8	10	30%	>1000
30/113.6	20		
45/170.3	30	50%	> 400
60/227.1	40		
75/283.9	50	80%	<400
90/340.7	60		
105/397.5	70	100%	<250
120/454.2	80		

Replacement Parts

		
	CRT-040 Pump	CRT-095 Battery
ACC-066 Replacement Back Panel		
	CRT-149 Charger	FLT-071 Output Assembly with Spinner



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