

# Water Injector System™ Installation and Operation Instructions for Instant Install™ Layouts



## HEALTH AND SAFETY PRECAUTIONS

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



## Installation Instructions:

1. Remove the vent caps. When this battery is eventually scrapped, it **must** be returned with these old vent caps; have your Water Injector System reconditioned for reuse.
2. Remove any twists in the tubing after the system has been taken out of the bag. The individual Injectors on this string may have slid from their correct position on the tubing. Verify correct Injector position by locating each Injector between the pair of black position-marks on the tubing. Re-check Injector positioning after completing installation.
3. Position the Water Injector string on the battery as it is depicted in the Instant-Install™ drawing on reverse of these instructions. **DO NOT** insert Injectors into cells yet. **Note battery cable routing to make sure it does not interfere with the system tubing.**
4. Insert Injectors into cells, starting with the first Water Injector that follows the Input Assembly. Route the system around, over or under battery cables (as space allows) so tubing is not stressed, kinked or possibly damaged by movement of the cables. To install the valves into each cell simply press down on the top of each valve. No separate adapter is required.
5. Check to make sure all Injectors are snapped into each cell and that tubing is not severely compressed (so water flow won't be restricted at any point in the system). Inspect the system to ensure that each Water Injector is between the position marks on the tubing.

**Warning- Water Injectors that are not properly aligned over the pre-punched holes in the system tubing will not allow the Water Injector to properly water cells.**

6. If the layout has a wye fitting, secure the wye fitting to the battery with cable ties. This is very important and must be done to minimize tubing movement.
7. Be sure all cables are tied down with wire ties to prevent system damage. Position the Input Assembly so it is easily accessible and where it will not be damaged by the normal movement of the battery (in either the forklift or the charging rack).
8. The Injector system is now ready for operation! We recommend that the system be checked during initial operation to ensure that no installation errors have occurred.

## Operation Instructions:

Any factory-authorized Injector Water Supply can be used to fill the Water Injector System™. This will provide the 25 PSI at 8 gallons per minute required to operate the Water Injector System.

1. Connect the Instant Valve Pro™ to the Input Assembly of the Water Injector System installed on the battery.



2. Squeeze the lever completely to fill the battery. **Do Not Partially Squeeze the Lever.**



3. Watch the spinner mounted on the Instant Valve Pro. When it stops spinning, the filling is completed (about 15 seconds, usually).



4. Release the lever and then disconnect the Instant Valve Pro from the Water Injector System.



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207 Progress Drive Montgomeryville, PA 18936  
P: 215.616.0390 F: 215.616.0500 www.phlsci.com