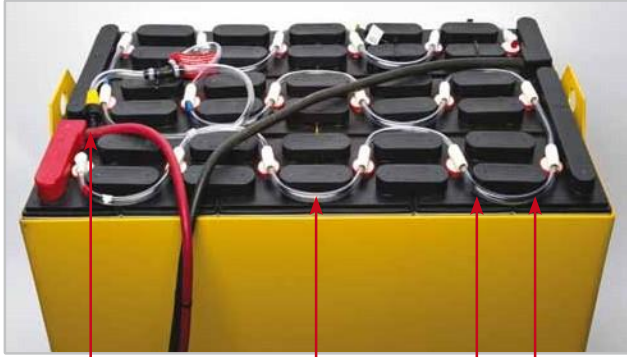


Water Injector System™

The world's fastest, most reliable battery watering system



Single-point watering system

fills battery from one point of fill.

Clear tubing

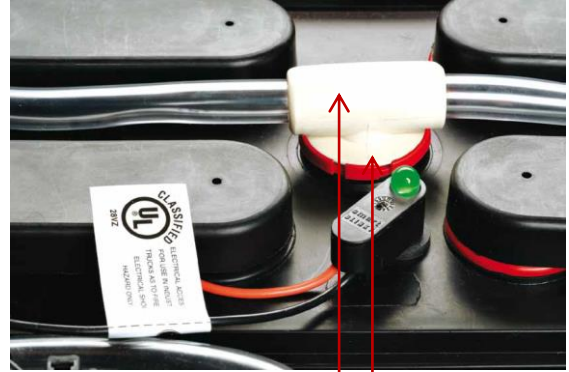
Enables view of water flow.

No-freeze tubing

Surplus water drains into cells after filling is complete

Exclusive, continuous tubing

Allows for a more reliable installation by minimizing connection points



Snap-fit, rotatable base

Allows for easy installation. Easy to snap into place

Low profile

Reduces risk of damage caused by battery cables (1.10 in or 2.79cm)

The Water Injector System™ single-point watering system from Philadelphia Scientific is the world's fastest, most reliable way to add water to industrial batteries. And the system is simple to use: an operator makes a hose connection, opens a valve and in 15 seconds or less the entire battery is watered — perfectly. This is eight times faster than filling a battery with a float-based system. For most warehouses and DCs, that adds up to hours of maintenance time saved each week.

Each Injector has its own precision level-sensing valve enclosed in a protective housing. When the electrolyte level rises to the tip of the Injector, the valve shuts off instantly. There are no floats or delicate exposed parts to stick or break, so the Injectors are unaffected by oil and tar in the cells and can function in extreme cold or hot, dry and abusive conditions.

The system saves money in two ways:

- **It cuts labor costs**, often paying for itself within its first year of operation.
- **It extends battery life** by filling batteries to the proper level – every time.

The system also improves safety and environmental cleanliness. There is no need to peer into cells to inspect levels as with manual filling. And water Injectors automatically fill each cell to the correct level, so there is no overfilling and no electrolyte spillage during charging.

The Water Injector system is exceptionally durable. Designed for harsh industrial environments, it is unaffected by abuse that would destroy most other systems, and continues to work dependably for the life of the battery.

In the long run, the Philadelphia Scientific Water Injector System has the best financial ROI of any available filling system.

Water Injector System™

Filling batteries in 15 seconds or less, the Water Injector System is the world's fastest battery wateringsystem

Water Injector Spider System

Features & Benefits

- **Easy installation:** Features such as flexible tubing, push-fit tubing ports and the snap-fit base make installation fast and easy.
- **Fast operation:** An average forklift truck battery can be filled in 15 seconds or less.
- **Precise filling:** A precision level sensing valve shuts off instantly wen electrolyte levels rise to the injector tip.
- **Safe:** Prevents direct contact with electrolyte during battery filling and prevents overfilling
- **Compact:** Low profile allows injectors to fit on any industrial battery and minimizes damage due to battery cables.
- **5-year warranty:** Advanced plastics technology and no exposed parts provides maximum chemical resistance, making these Water Injectors durable and long lasting.
- **Heat resistant:** System will survive high battery temperatures without failing.
- **No freeze tubing:** Tubingy drains surplus water into cells after filling is complete, so the system can be used in cold storage environments.
- **2-stage filtration:** In addition to the filter screen in the input coupling, each injector has its own individual filter.
- **Proven reliability:** Patented pressure activated technology makes the Water Injector System the world's most dependable single point watering system.
- **Exclusive no-clamp tubing:** The tubing goes straight through the Injectors and are sealed with unique twin O-rings

When combined with the Smart Blinky battery water monitor, the Water InjectorSystems are part of the most effective battery maintenance programme available, reducing waste and saving you time and money.

Specifications	
Input/operating Pressure	25 to 35 psi (1.7 to 2.4 bar)
Flow rate	8 to 10 gpm (30-38 lpm) Per string
Acceptable Filling Temperature	35° to 160° (2°to 71°C)
System Exposure Temperature	-20° to 160°F (-29° to 71°C)
Valve Body Material	Polypropylene
Tubing Material	Proprietary Flexible PVC
Max Valve Height above Vent Opening	0.83 inches (2.1 cm)
Fitting	DIN standard Push fit& BCI standard

See also :

- Water Injector Spider System
- Water Supplies for Water Injector Systems