



Philadelphia Scientific®
industrial battery innovation

DirectFill

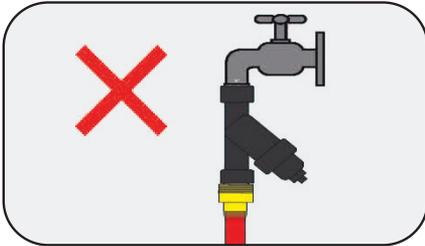


Water Supply for the
Water Injector System™

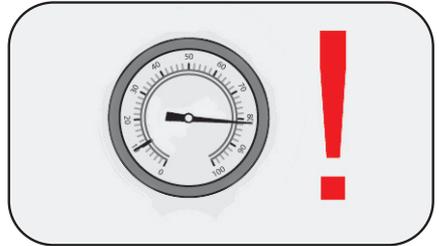
Model: INJ-DF

Installation

The Philadelphia Scientific Water Injector System requires a water flow of approximately 8-10 gallons per minute at 25-35 psi or more. This can be qualified with a Flow Checker (INJ-FC). If your water supply does not meet these requirements, you will need to purchase an alternative to the DirectFill.



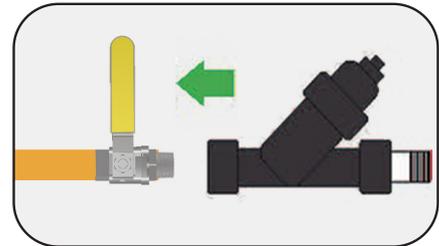
Do not fill the Directfill directly from a faucet



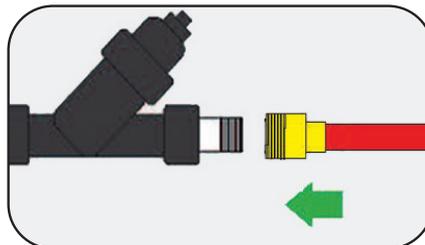
The static water pressure may not exceed 80 PSI (25 bar).



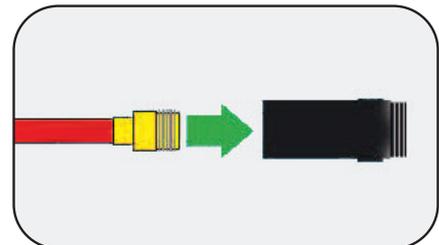
A Ball Valve with a 3/4" NPT male threaded fitting. must be plumbed in to a pressurized water line ($\geq 3/4"$ or more in diameter).



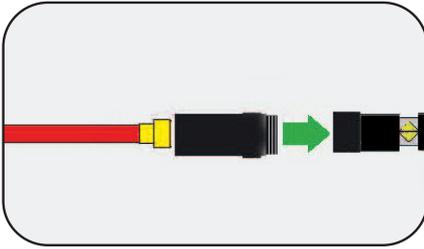
Attach the black sediment filter to the outlet of the Ball Valve.



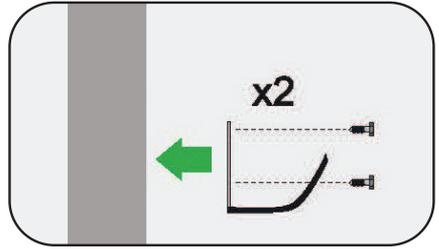
Attach the red hose to the white male end of the sediment filter. Do not use more than 20 ft. of hose



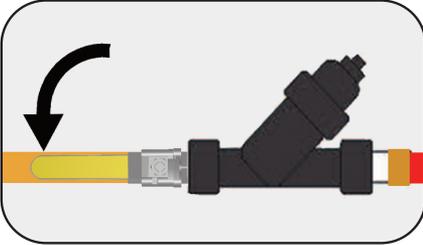
Attach the Pressure Regulator to the end of the red hose.



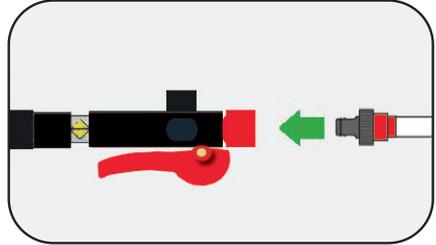
Attach the Instant Valve Pro™ to the end of the Pressure Regulator



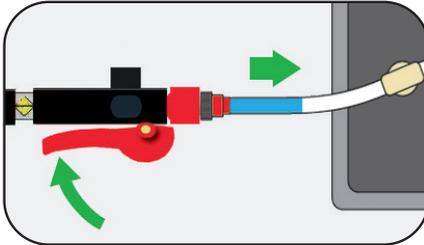
Mount included brackets on the wall.



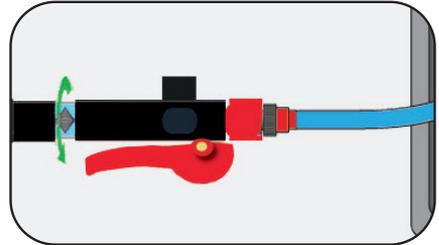
Turn water source on at the ball valve



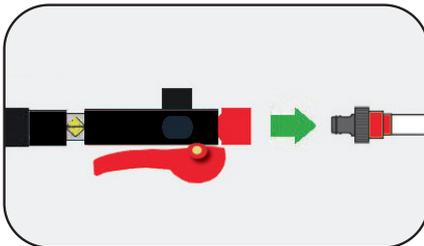
Connect the Instant Valve Pro™ to the Input Assembly of the Water Injector System installed on the battery.



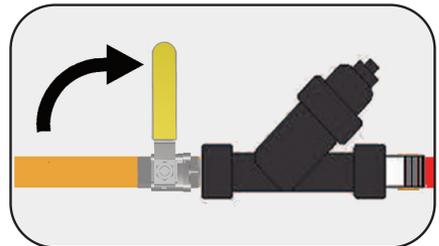
Squeeze the lever completely to fill the battery. **Do Not Partially Squeeze the Lever.**



Watch the spinner mounted on the Instant Valve Pro. When it stops spinning, the filling is completed.



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



Move on to the next battery, when finished watering batteries turn the water off at the ball valve.

Operation



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



Squeeze the lever completely to fill the battery.

Do Not Partially Squeeze the Lever.



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



Release the lever.
Disconnect the Instant
Valve Pro from the Water
Injector System and move
on to the next battery that
needs water.



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