

## INSTALLATION & OPERATION



**A STEALTH WATERING SYSTEM™ KIT includes:**

18 Cell Stealth Watering System™ Kit for 36 Volt Batteries



**A** Number of Stealth valves

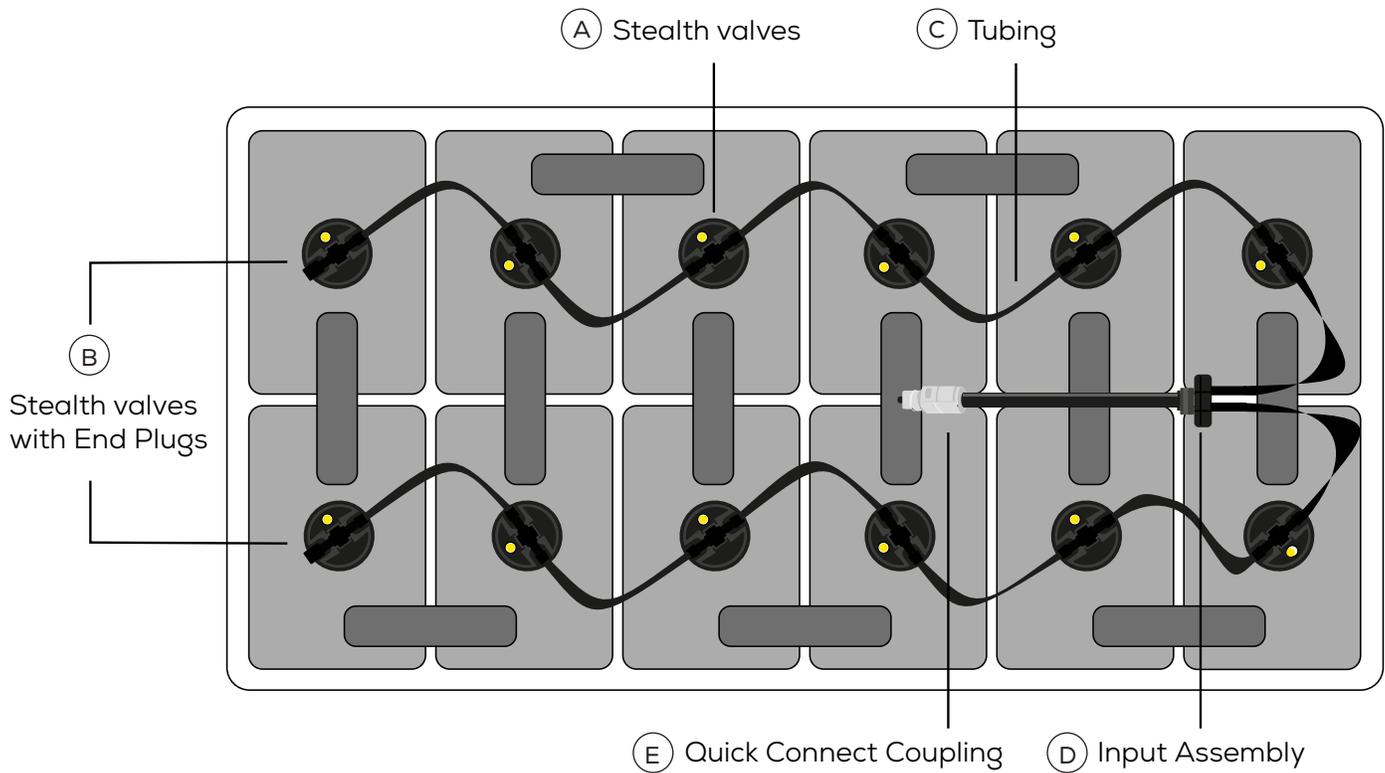
**B** End Plugs x2

**C** Coil of Tubing x1

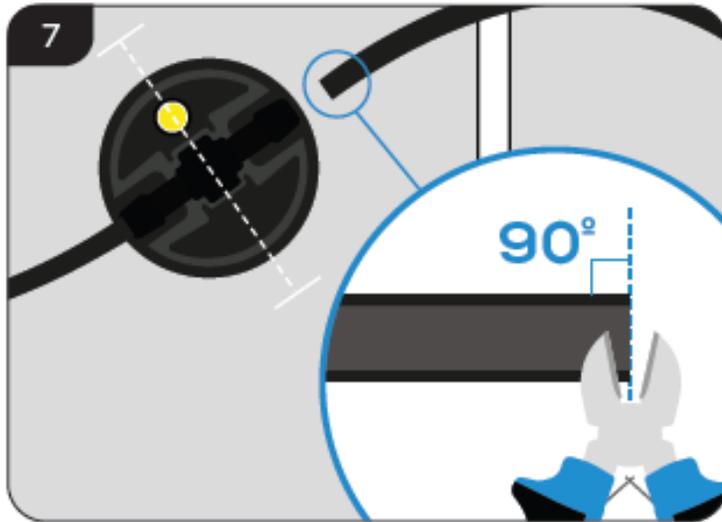
**D** Input Assembly x1

**E** Quick Connect Coupling x1

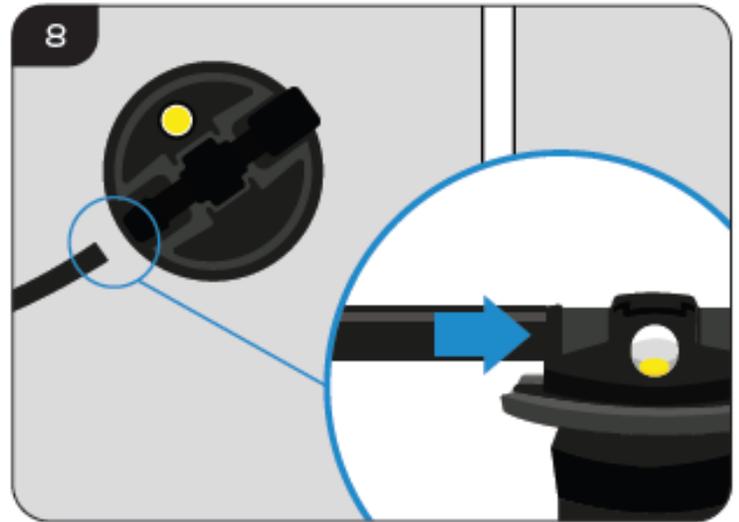
**F** Cable Ties x2



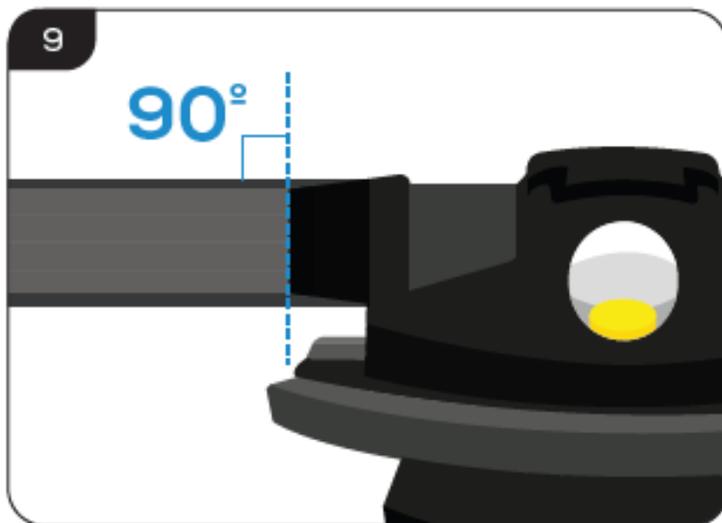
## SECTION 1: INSTALLATION (Cont'd)



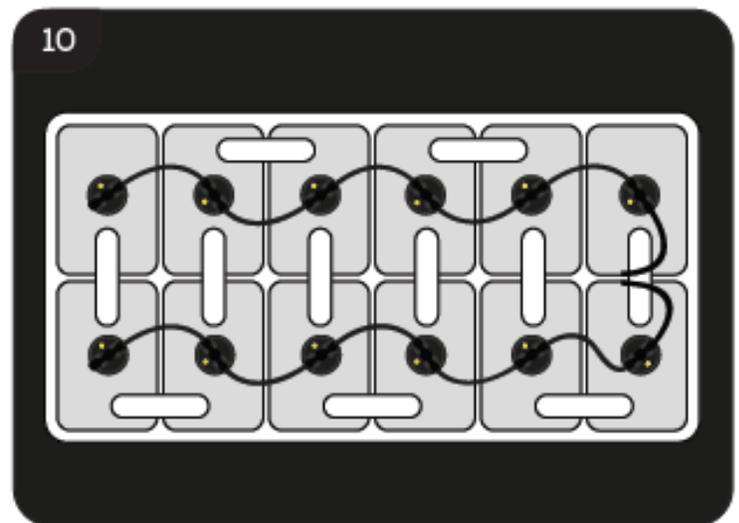
Cut the tubing squarely at this point using a tubing cutter, ensuring end of tubing is not crushed.



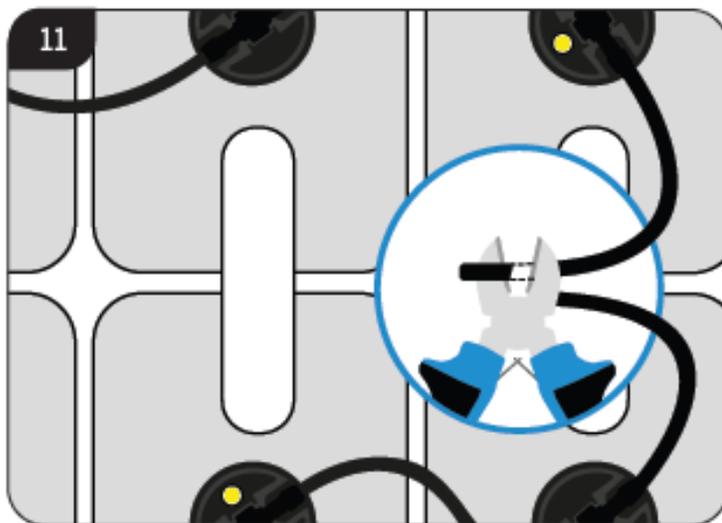
Push the cut end of the tube onto the second valve barb and press it firmly.



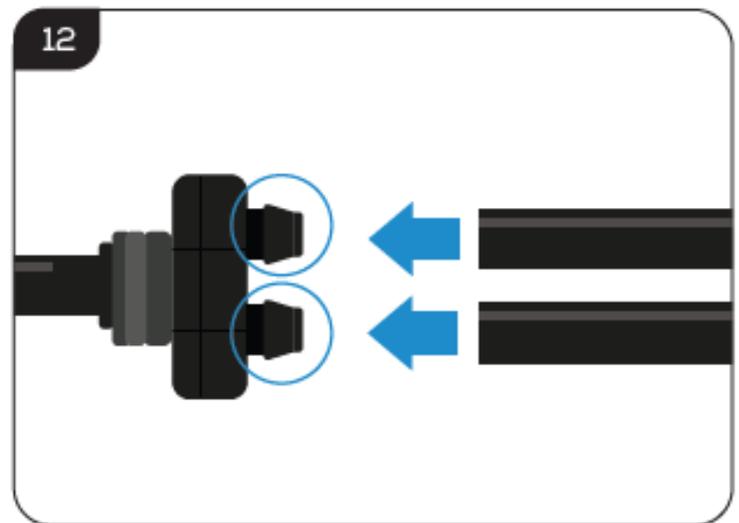
Make sure the tubing is cut squarely and fully inserted onto each barb, in case of leaking.



Apply the same cut to connect and secure all the valves and the remaining tubing.

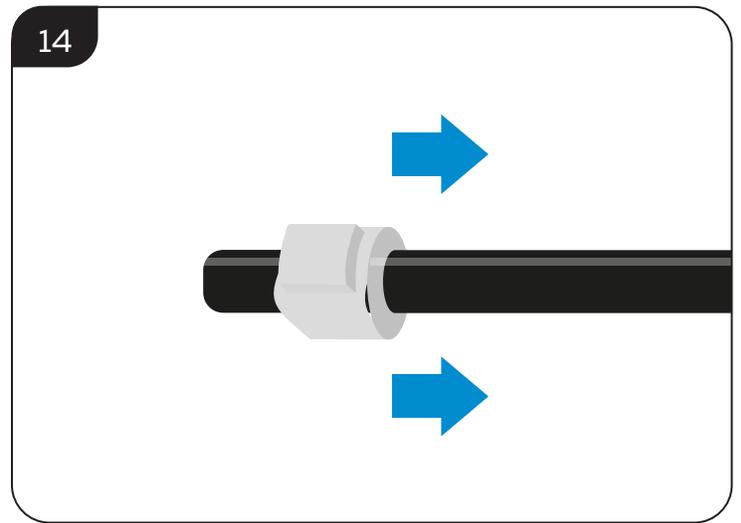
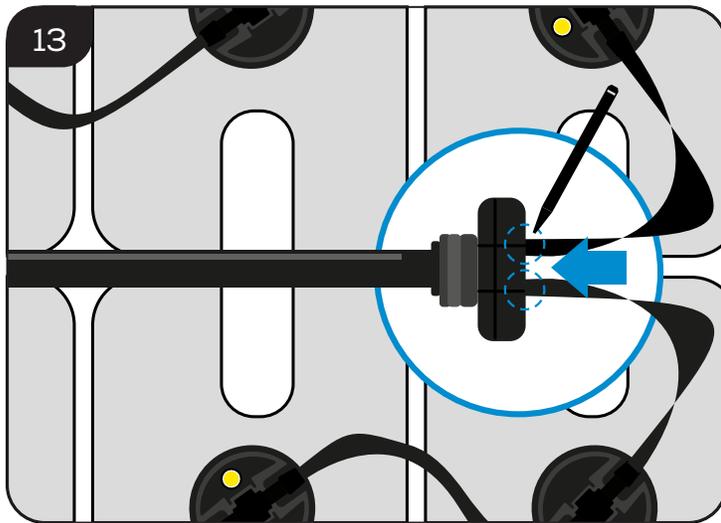


Choose a suitable\* position for the Water Input Assembly and cut the tubing. (\*The position varies based on the different number of cells, please refer to the sample layouts shown on page 6.)

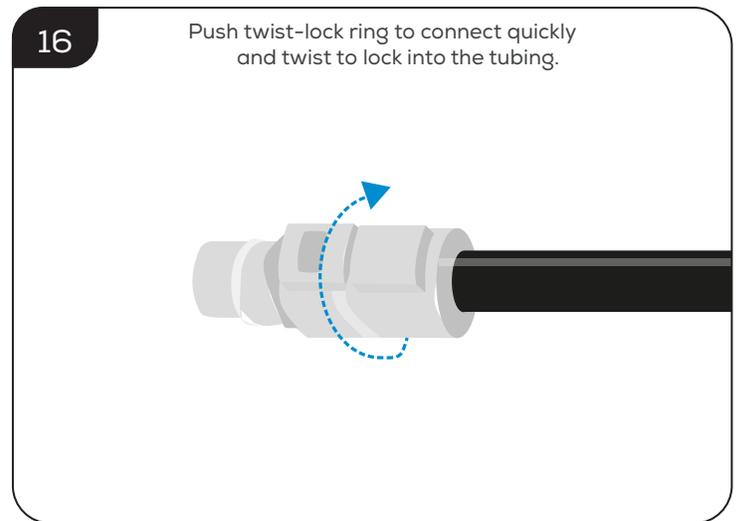
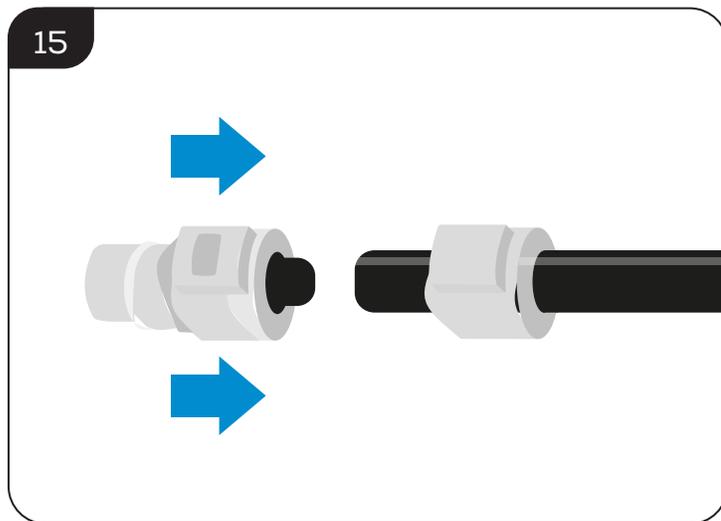


Connect the Water Input Assembly by firmly inserting the tubes in the same way as with the valves.

## SECTION 1: INSTALLATION (Cont'd)



Slide the twist-lock ring onto the free end of the Water Input Assembly.



Push twist-lock ring to connect quickly and twist to lock into the tubing.

### **Installation Note:**

The standard Stealth Valve may not fit into specific batteries (Stryten Energy M-Series Lead-Acid, GNB flat-plate or Crown MaxHaul) because of the internal construction of these cells. The design features an element protector that doesn't permit the installation of a standard Stealth valve. For either of these batteries use the Stealth Slim.

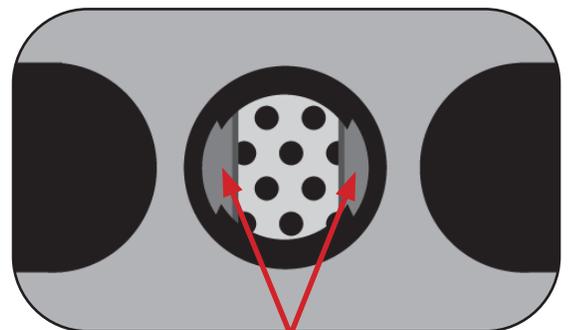
However, due to the reduced shut off force of the narrow float Stealth Slim is not recommended for use in battery with wider openings. Use standard Stealth Watering System whenever possible.



Standard Stealth Valve



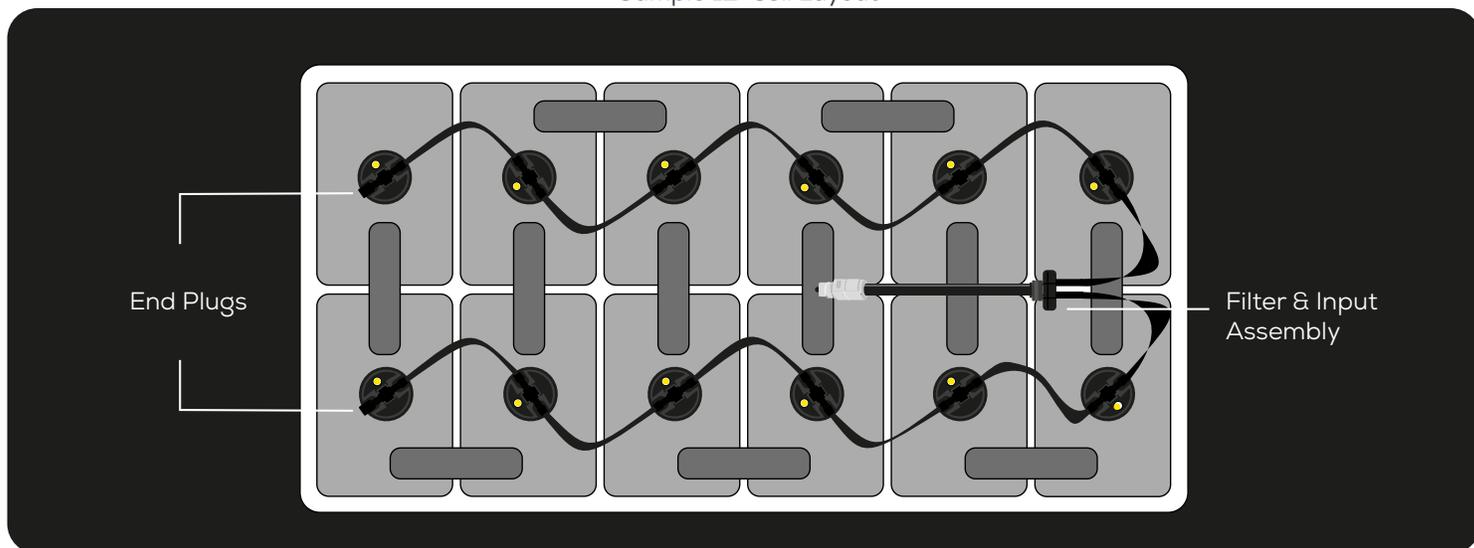
Stealth Slim Valve



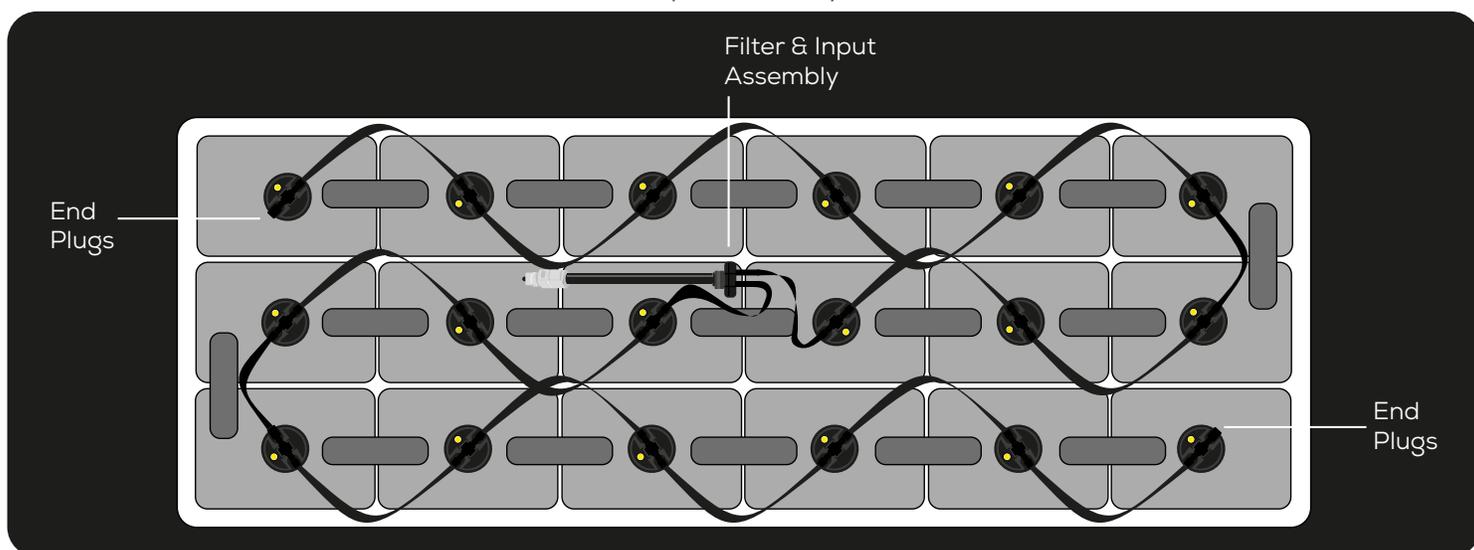
Element Protector

# SAMPLE CELLS LAYOUT

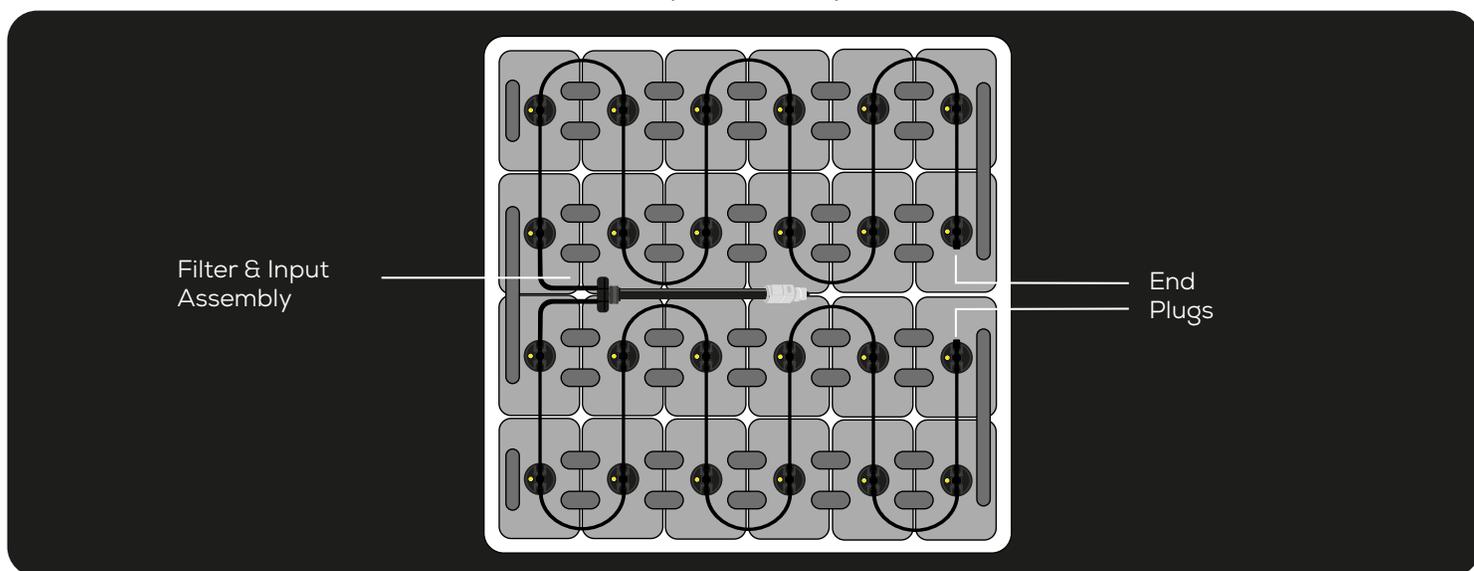
## Sample 12-Cell Layout



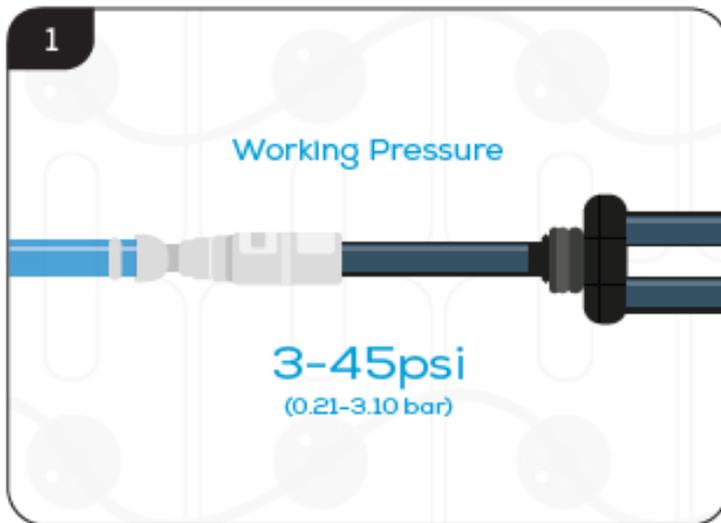
## Sample 18-Cell Layout



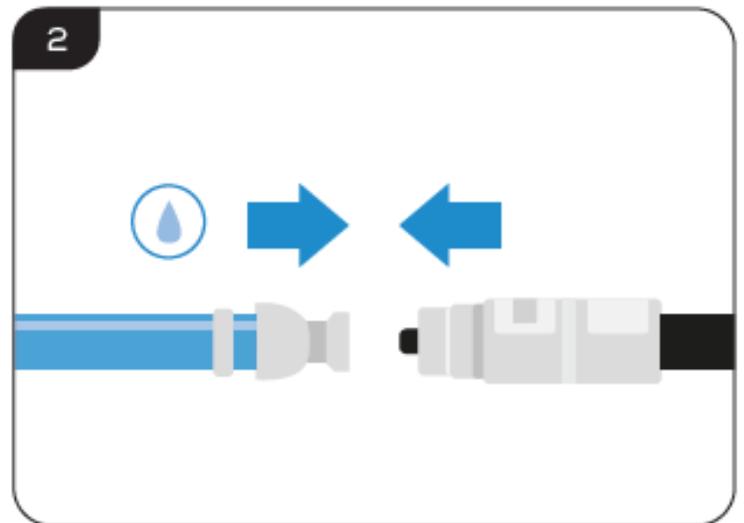
## Sample 24-Cell Layout



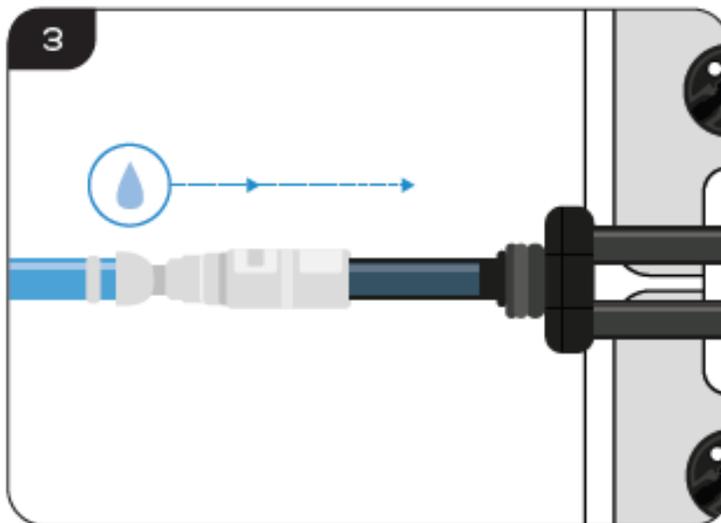
## SECTION 2: OPERATION



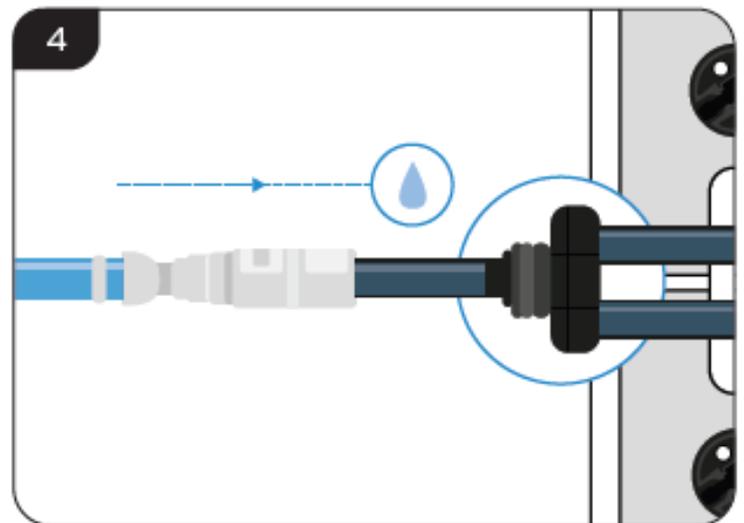
Working pressure is between 3-45psi (0.21-3.10 bar).



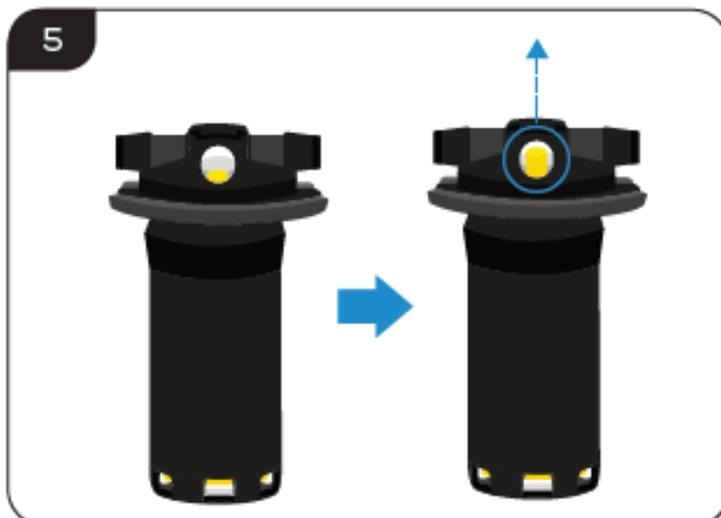
Connect the quick-connect fitting to a suitable water supply.



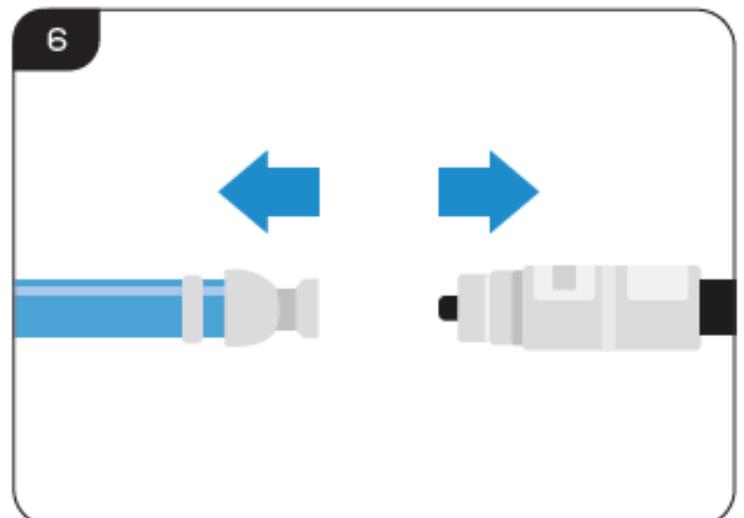
Filling will begin as soon as the connection is made (filling method dependent).



The filter traps impurities before they enter the Stealth valve and your batteries. If the filter is clogged or filling-time becomes longer, it is time to change the filter. (Part ID: FLT-104)

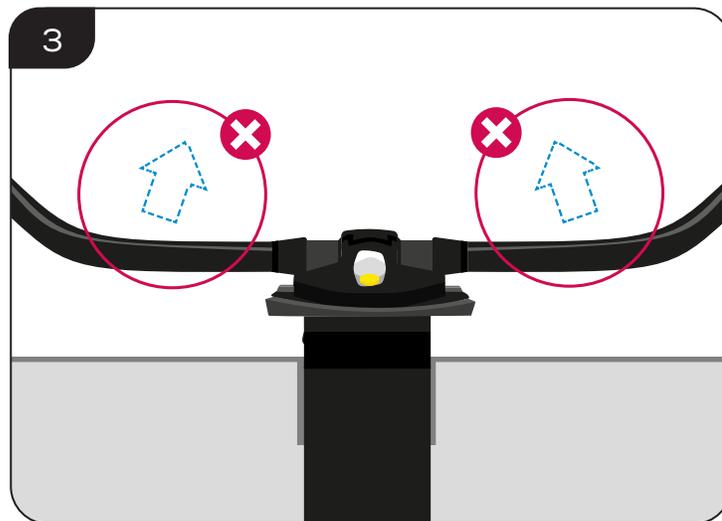
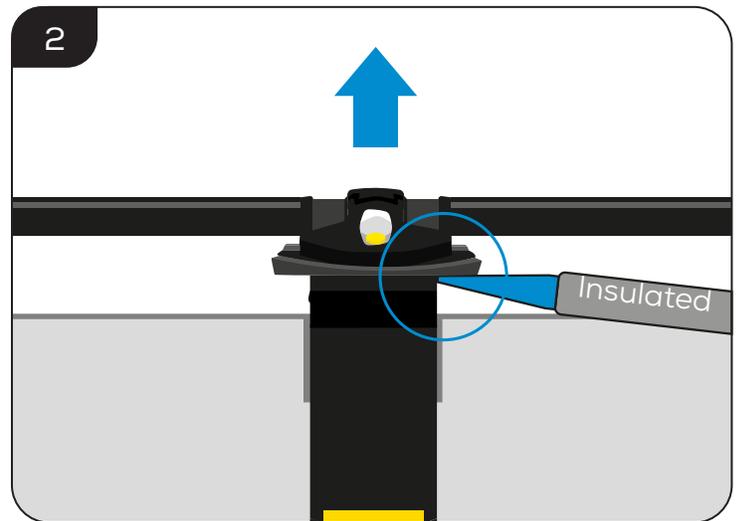
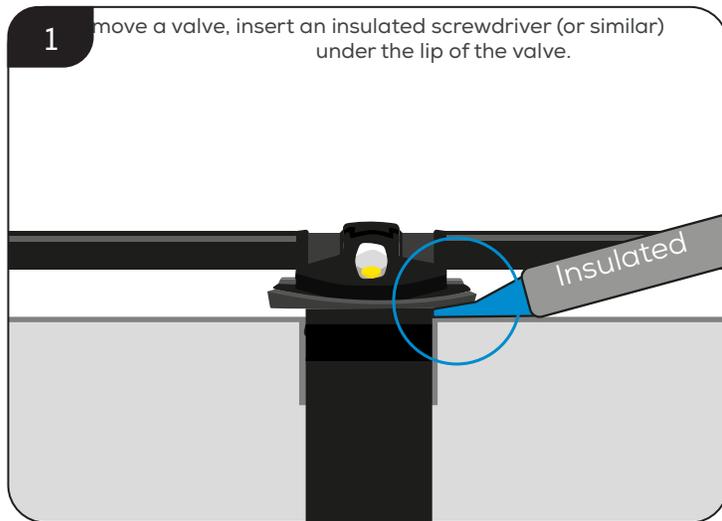


When all the valves' yellow fill level indicators pop up, the water is filled at the right level. Note: The spinner may not come to a complete stop, especially in larger systems. The battery is filled when the spinner slows enough to clearly see the inner blades/vanes.



Once the filling is completed, disconnect the quick-connect.

## SECTION 3: VALVE REMOVAL



**FOR PRODUCT SPECIFICATIONS, USER GUIDES AND FURTHER INFORMATION PLEASE VISIT:**

<https://www.phlsci.com/product-lines/stealth-watering-system/>

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