

# BLADDER INSTRUCTIONS (POTABLE WATER)

AIRE offers both potable and wastewater bladders. Potable Water Bladders are constructed of NSF 61 certified fabric that is safe for drinking water storage.

## WHAT YOU NEED TO KNOW

### SITE PREP

1. Level the deployment area to keep the bladder from shifting.
2. Clear out any debris that might cause damage to the bladder.

### DEPLOYMENT

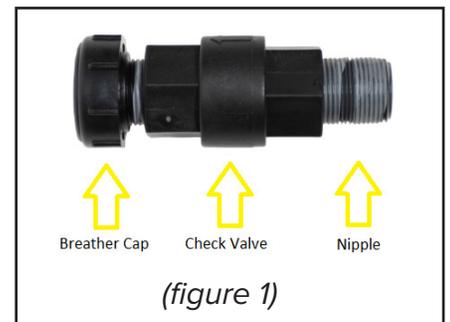
1. Lay out the included ground pad.
2. Centered in the prepared deployment area, unroll the bladder on top of the ground pad.
3. Position the bladder to fit your needs. (Make sure the bladder doesn't hang over the edge of the level deployment area.)



**DRAGGING THE BLADDER WILL COMPROMISE ITS ABILITY TO CONTAIN WATER.**

### SET UP

1. Teflon tape or apply an NSF approved sealant to any components you intend to connect to the bladder.
2. Check valve installation.
  - a. Wrap the threads using the included Teflon tape
  - b. Screw the pieces together as pictured (*figure 1*) with the arrow on the check valve pointing towards the breather cap.
  - c. Connect assembly into the  $\frac{3}{4}$ " port on the bladder.
3. Connect components to the bladder, being careful not to damage the fabric by using too much torque.
4. Connect fill/discharge hoses, also being careful not to put too much torque on the bladder.
5. Fill until the maximum loft height is achieved.



### RECOMMENDATIONS

1. Regularly check the bladder and fittings during use to identify and mitigate leaks.
2. Do not use or leave sharp objects near the bladder.
3. Keep the area around the bladder clear of debris that might attract rodents. Rodents sometimes will chew on the vinyl.
4. If using a bladder for long-term storage, check with your local water quality office to ensure compliance with local regulations on water quality, treatment and testing.
5. You may want to cover the bladder to protect it and its contents from the sun. Bladder covers work best if installed with a small air gap between them and the bladder. Protecting the bladder from UV will also help in preventing microbial growth.

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## **TIME TO DRY & STORE**

1. Drain and dry the bladder completely.
2. Remove any attached components that were installed during bladder operation.
3. Fold the bladder within its ground pad or clean tarp. Be careful not to damage or drag it.

## **STORAGE**

1. Store the bladder in a dry area, protected from the sun and rodents.

## **DISINFECTING YOUR WATER BLADDER**

It is recommended to sanitize your tank between uses. If the tank is going into storage, it is best to completely drain and dry the tank by letting it sit out in the sun allowing for residual moisture to evaporate off. If possible, carefully suspending the tank so that the discharge port is the lowest point will help with tank drainage.

Quick Tip - Connecting a low volume blower to one of the fittings to introduce air flow and air exchange will help to speed up the drying process.

To sanitize,

- Drain the bladder completely
- Fill the bladder about halfway with fresh water
- Add 1 oz of bleach for every 10 gallons of fresh water
- Expel any air trapped in the bladder
- Wait a minimum of 3-4 hours while the bladder is sanitized
- Drain and flush with fresh water thoroughly
- Allow the bladder to dry completely

Long term usage of your bladder tank with regular exchange of the water should suffice with sanitizing intervals of 6 months or if any taste should occur.

\*These are simply industry recommendations. AIRE Environmental does not assume any liability in the wrongful application of cleaning solutions, flushing of cleaning solutions, or storage of any water bladder. Aire Environmental highly recommends contacting your local water quality department with any questions regarding sanitation of potable storage devices.

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