

ATL®

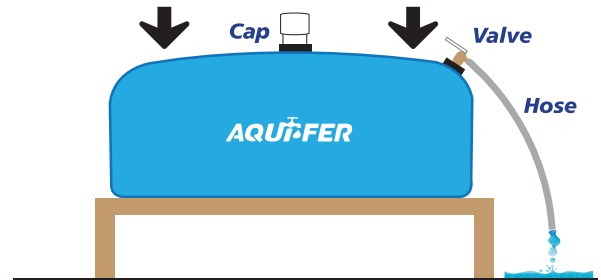
"KEEP IT CLEAN"

Disinfecting Collapsible Drinking Water Tanks Capacities Up To 500 Gallons (2000 liters)

ATL AQUA-FLEX® "PILLOW" TANKS AND ATL AQUI-FER™ "LOCKER" TANKS

All tanks used for storing potable (drinking) water require periodic cleansing to disinfect and/or decontaminate internal surfaces. **Collapsible** bladder tanks are less likely to breed airborne bacteria since they are not vented to atmosphere and feature a near-zero air space (ullage). Nevertheless, it is good practice to cleanse water bladders **when new and on a routine basis** thereafter. The recommended process for cleaning ATL collapsible water tanks is not difficult and is outlined below in a step-by-step fashion:

1. Open the outlet valve and drain the bladder tank, hoses and lines completely of water and air by pressing on the bladder, with its cap still on, until the bladder fully collapses by siphoning. (See Diagram)



Example of Siphoning

2. Position the empty bladder on a smooth flat surface, close the outlet valve and fill the bladder about **halfway** with fresh water, i.e. 100 gal. bladder tank receives about 50 gal. of fresh water.

3. For every 10 gal. of fresh water added in Step #2, pour ¼ cup (2 fluid ounces or 60 ml) of un-scented Clorox liquid (or similar) laundry bleach into a one-gallon bottle, either glass or plastic. Bleach is a 6% solution of sodium hypochlorite in water. For our 100 gal. bladder **example**: 50 gal. of water were added, so $5 \times \frac{1}{4} \text{ cup} = 1\text{-}1\frac{1}{4} \text{ cup}$ of bleach (or 10 fl.oz. or 300 ml) is required.

4. Fill the remainder of the 1 gallon bottle with clean water, then cap it and shake to dilute the bleach.

5. Empty this one-gallon bottle of bleach solution into the half-full bladder tank and expel as much **air** as possible by collapsing the bladder down to water level with its cap removed.

6. Replace the cap and agitate the bladder by shaking its sides or stepping on it repeatedly with one foot. This will disperse bleach throughout the water so it better contacts all surfaces.





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7. Let the bladder and contents sit for 4 hours and then drain (siphon) out all of the water/bleach solution through the outlet valve and hose.
8. Close the outlet valve, fill the bladder completely with clean water, replace the cap, agitate and then drain (siphon) the bladder completely through the outlet valve and hose.
9. Repeat Step 8, then close the outlet valve and go to Step 10.
10. For ATL bladder tanks **under** 200 gallons (800 liters), mix 1 lb. of baking soda (.45 kg) with one gallon (4 liters) of hot water. Shake and pour this solution into the empty and collapsed water bladder, then fill the bladder to about ½ full with clean water, expel air as in Step 5 and agitate as in Step 6. For tanks 200 to 500 gallons (800-2000 liters) use 3 lbs. (1.4 kg) of baking soda dissolved in hot water as above.
11. After agitating, completely drain the baking soda/water solution through the outlet valve and hose. Move the bladder to its predetermined location, close the outlet valve and fill the bladder with fresh clean water for drinking.
12. Repeat this process every 6 months to help keep your “Aqua-Flex®” or “Aqui-Fer™” bladder tank free of common bacteria and other potential contaminants.
13. ATL offers this advice as a **general consideration** toward maintaining a fresh and clean water supply. Different environments, types of use, and exposure to unusual toxins or bacteria may require more frequent, or more aggressive, sanitizing.

If questions should arise, contact ATL regarding **Aqua-Flex®** and **Aqui-Fer™** bladder tanks on 800-526-5330 in the USA, or 001-201-825-1400 worldwide or by E-mail atl@atlinc.com



ATL **Aqua-Flex®** and **Aqui-Fer™** Bladder Tanks meet or exceed all standards of The United States National Sanitary Foundation specification NSF-61.



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