

Rainfilters of Texas, LLC
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FOUR STEPS TO HIGH QUALITY CISTERN WATER - a non-mechanical process

- 1. PRE-FILTRATION:** Filter the majority of particles and debris before they can enter the cistern. Most biologicals are attached to the particles and therefore they will not be allowed to enter the storage tank. Preferable filtration, exclude particles greater than 1/90 inch in size.
- 2. CALMING INLET:** The storage area itself will act as a separation filtration device if the water entering the cistern is "calmed", so as not to disturb bottom sediments. Particles entering the cistern will either float to the surface or sink to the bottom. Allowing the entrance of harvested water to agitate the water already in the tank is counterproductive to water quality.
- 3. UTILIZING THE CLEANEST WATER:** A floating suction filter will remove the cleanest water for use. The region of cleanest water is approximately 6" from the upper surface.
- 4. OVERFLOW:** Tanks should be sized to overflow periodically. Construction of the overflow to allow for skimming of the surface will remove floating debris to allow for maximum surface aeration of the cistern water.

