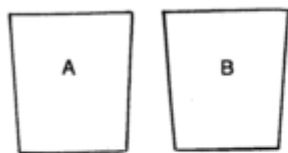


Basic Survival Rain Water Filter System

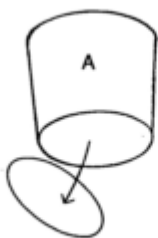
by J Galante

Basic Survival Rain Water Filter System

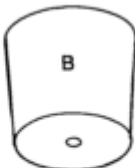
J. GALANTE - '97



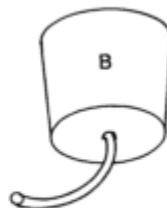
You will need two clean containers such as buckets or wastebaskets, preferably of flexible white plastic. We used new 4 gal. paint buckets.



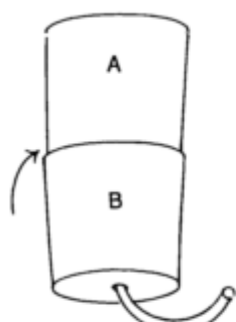
Cut bottom out of container "A" and discard.



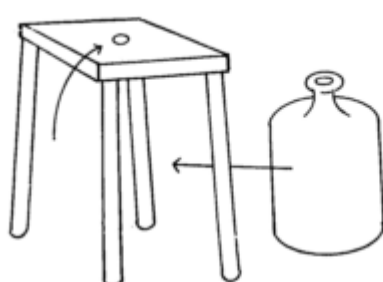
Cut a hole in center of "B" the size of the vinyl tube you have purchased. We used 1/2" diameter non-toxic vinyl, 12" long.



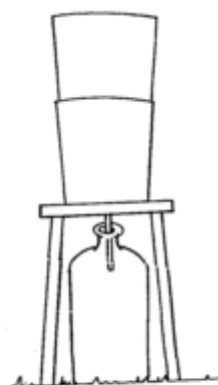
Attach and seal hose into hole in bottom of "B" with silicone sealant.



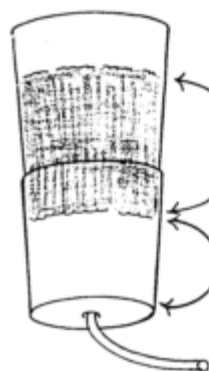
Container "A" should fit into "B" at about this level. You can glue wedges on sides of "A" to hold at desired level if needed.



Use a table high enough to allow water bottle to fit underneath. Cut hole for tube to pass through.



Finished rain water filter system will look like this.



This layer is carbon. Use a layer thick enough to allow an adequate filter depth.

This is the polyester quilt batting. Use a thick layer to strain out small bits of carbon or debris in rain water.

You must add 10 drops of household bleach, (chlorine) to each gallon of filtered water, to kill bacteria and deter bacteria growth during storage.

Filtering Material

1. You will need at least 15 to 20 lbs of granulated activated carbon (charcoal, but NOT the barbecue pit type), which we found at an aquarium supply store. Be sure there is *no chemical additives!* This *must* be *thoroughly* flushed and rinsed before use, until water runs clear, to remove carbon dust. This must be changed after a while (after 1 month with constant use) because it becomes saturated with contaminants and can release them back into water. We estimate that we can probably change it after 2 to 3 months since we anticipate filtering rain water as we catch it, and this probably won't be very day. Our 18 lbs should last us (3 adults and six small pets) 5 to 6 months with God's mercy and a little luck!
2. You will also need a large package of 100% pure polyester quilt batting (padding), which can be found at most fabric stores. Don't compromise with

cotton, it can mildew and rot!

per J Galante

Option: in step 2 of the diagram above you can leave the bottom of bucket A in place (not cut it out) and poke holes in the bottom with a hot nail. This allows the activated carbon and quilt batting to be kept separated.

The information shown above was furnished by J Galante and made available by B&A Products. However, B&A takes no responsibility for

the accuracy of the information or the ability of the above shown filter to thoroughly filter or purify rain water. Please note that this is for **rain water only**, and this *does not include any form of ground water* (creeks, lakes, etc). This is provided for information only.

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