

How to make your own containers for a water filter

choose the size of available round (could be square but round is better) **stackable** food grade plastic containers (buy two of the same size with covers) ... these could be as small as a few gallons or as large as 5 gallons or more ... they should have enough vertical space inside for 10" ... enough for the 8" tall filter plus a little space (the more space on top the better but also consider how much space in your kitchen or location you have to work with) ... wait until your filters and spigots arrive to put the holes in the containers to verify size of holes to drill ... the holes should be just large enough for the fittings to fit through ... you will order filter elements (order link top of page 2 below) ... you chose between 4 or 10 packs of either standard or imperial filter elements and a spigot set ... there are two spigot options so you will order the spigot set for **plastic** (not for stainless steel) ... here are the holes to drill (plastic requires careful drilling there are bits that are better for plastic ... it is best to drill a small hole first as a guide hole and then expand out slowly using larger and larger bits until you reach the correct size for the filter and spigots to fit through ... set the two plastic containers with caps in place side by side ... one will be the top container and the other will be the bottom container ... ok ... the bottom container drill a hole about 1" from the bottom in the side for the spigot ... the spigot comes with 2 washers one goes on the outside and one on the inside ... put the spigot through the hole and turn finger tight (if it leaks you will have to tighten more) ... drill a hole about 2" in diameter in the center of the cover of the bottom tank (this is where the filter will fit when you put the two tanks together) ... ok the bottom tank is done ... now for the top tank ... drill one hole in the center of the bottom large enough for the filter tube to fit through and put the washer ON THE INSIDE of the container and the plastic wing nut on the bottom and tighten ... finger tight ... NEVER twist the ceramic filter from the filter part it is delicate ... hold it firmly from the blue base plastic and tighten ... again watch to make sure this is not leaking ... now put all together on a solid area ... best if the spigot is always overhanging the counter so you do not have to move every time you want to draw water ... fill the top container and let the first batch of filtered water flow into the bottom ... new filters are dry so take time to get wet and start passing water ... it should be at a constant drip drip drip rate (if it is a steady flow then something is loose and water is leaking through a washer or seal) ... discard the first batch of water and you are set ... ONE FINAL check ... when the top container empties make sure that the water level never goes below the level of the washer ... if it does that means that water is leaking through the washer and it is not tight ... in that case tighten the filter more but DO NOT TWIST on the ceramic part of the filter only twist by holding the blue plastic base of the filter ... one last thing ... with time your filter may slow down and show coloration on the outside ... this is mineral buildup on you filter and is easily removed by lightly running with a scotch brite plastic pad (NO SOAP EVER !) or use the back of a butter knife to scrape until you see the white ceramic again (you can clean the filter hundreds of times if you have heavy buildup) ... replace the filters per schedule (about 1000 gallons for standard and 3000 gallons for the IMPERIAL filter elements) ... you also can use a single 5" filter element for a very economical filter for a small travel filter but for travel you can eliminate the spigot if you wish and just pour the water from the lower container ... then you will have your own filtered water no matter where you go (store your filter element when moving in a plastic bag and not fastened in the filter as jarring will break the filter when traveling) ... If you do not use your filter for a long time dry out the entire system before storing including the filter element (you can put on a mild heat source or in the sun for a number of days to make sure it is perfectly dry ... but also the JMCC GF Filter elements come with silver in the filter to prevent mold) ... Happy Drinking !!!

Order the water filter elements here →

<https://www.jmccanneyscience.com/SecWebOrderPg.htm>

Photos of water filters made from plastic containers using JMCC GF Water Filter Elements

