

The CarbonSnake™ Filter

Instructions for use

The CarbonSnake™ is an inexpensive, easy-to-use carbon purification system.

It will remove unwanted odors and flavors from fermented alco-bases (i.e. distiller's yeast/nutrient blends, SuperYeast™, turbo-yeast) and ethanol distillates (i.e. grain or sugar alcohols).

Assemble The CarbonSnake™ and attach to a pail as per the diagram above on the right.

1. Drill a 1" hole near the inside bottom of a food-grade plastic pail. Make sure the inside tap nut will fit on the inside of the pail. If purifying SuperYeast™ (or other alcobases), the pail should be large enough to hold 6.5-8 U.S. gallons (25-30L) of liquid. Assemble and affix the enclosed lever tap.
 2. Cut one (1) double-sheet 1" circle from the enclosed coffee filter paper. Save the remainder of the filter paper for future use. Replacement paper is available at most grocery and discount stores. Unscrew the swivel connector (male nipple) and place this paper between the stainless/rubber washer (convex side) and the (female) connector. Re-attach the (female) connector. It is very important to assemble this correctly or the paper may rupture, causing the liquid to filter grey. Avoid getting grains of carbon into the connector threads. This may cause leakage or colour the liquid grey.
 3. Slide the YDS key clamp over the opened end of the hose assembly. Carefully open the 2 oz. (60 g) package of GAC (enclosed) and gently fill the tube assembly to within 1" of the top of the hose. A small funnel is useful for this purpose.
 4. Prime the hose by filling the hose with clean warm water. Securely attach the hose to the tap by hand tightening the YDS clamp around the outside of the hose. Make sure the hose does not slide off the tap.
 5. Fill the pail with liquid to be filtered. For best results, first clarify alco-base with Super-Kleer K.C.™ or #3 sterile filter pads. The flow rate will depend on the clarification of your liquid and the choice of GAC; the murkier the liquid or the finer/irregular the GAC, the slower the flow. An average flow rate using the recommended DARCO GAC is approx. 13 fl. oz. (400 ml) per hour. The slower the flow, the purer the final product.
 6. Place a food-grade receptacle under the bottom of the hose. Turn on the tap. Remove any air bubbles trapped in the top of the hose by pinching the hose. The purified liquid will begin to drip out the male connector nipple within a few minutes. Taste the liquid every gallon (4L) for purity. It should smell and taste like vodka. To maintain the best purity, you may stop the flow after 3 U.S. gallons (12L), and replace the used GAC with new GAC. If the liquid drips grey, the filter paper may be punctured or inserted incorrectly.
 7. Once the liquid is purified, you may mix it with soda or juice to make a party punch, or flavor it with liqueur/liquor extracts. For best results, we recommend 100% all natural LIQUOR QUIK™ branded essences.
 8. Clean your hose by loosening the YDS key clamp and gently removing it from the lever tap. Unscrew the male connector and remove the washer and filter paper. Flush warm tap water through the hose until clean. Air dry.
- **DO NOT** detach the hose while the liquid is still flowing.
 - **DO NOT** attempt to purify ethanol that is more than 50% alc./vol.
 - **DO NOT** pack the carbon in the hose; this can block or impede flow.
 - **DO NOT** use powdered carbon in the hose; this can block or impede flow.
 - **DO NOT** use a non beverage-grade carbon; this may add mineral salts or other unwanted byproducts to your ethanol instead of removing them.
 - **DO NOT** re-use the spent GAC.