

VortexED 55 Ignition Instructions

Remove the fuel canister.

Note* We strongly advise that you wait till the VortexED 55 has completely cooled off before refueling and re-igniting.

However, if you wish to re-fill and re-ignite immediately you must wear protective gloves to handle the canister.



Pour the fuel into the canister, filling about 80% of the canister.



Carefully place canister back into the VortexED 55. If you get alcohol on your fingers make sure to clean your hands before igniting.

*Again if refilling before the VortexED 55 has cooled off - you must wear protective gloves.



With a long lighter ignite the fuel from the opening between the glass panels at the corner.

Never attempt to light the VortexED 55 by reaching inside of it with the lighter.



To TURN-OFF/ Extinguish your VortexED 55:

1. Use the included "Snuffer" (a solid flag shape metal piece).
2. Simply insert vertically through the side glass panels
3. Once inside, turn the snuffer to the side (horizontally)
4. Extinguish the flame.

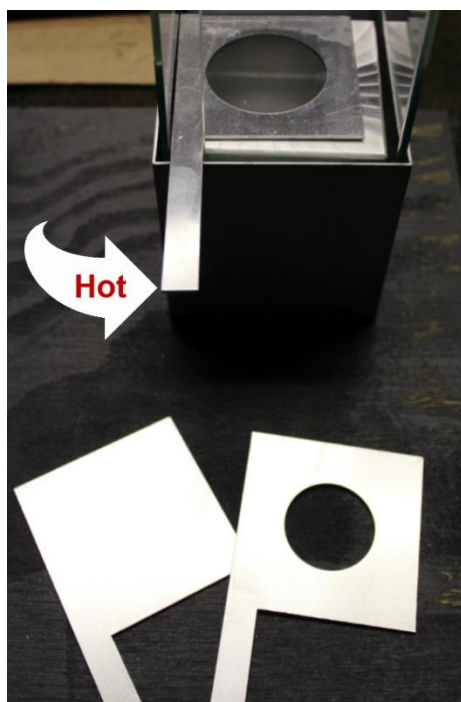
Re-Ignition Instructions

We strongly recommend that you wait till the VortexED 55 has completely cooled off before re-igniting.

Snuffers with Holes

Snuffers with holes can be used to make the flame smaller, consequently making it last longer.

However, you must exercise caution when removing it - as the handle gets HOT.



About the FUEL

Alcohol fuel sold separately. You may use of-the-shelf 70% Isopropyl Alcohol (\$.89 to \$1.50 quart retail). You may also use Denatured alcohol - note this will change the color of the VortexED 55 flame to Blue.

Always Practice Common-Sense And...

NEVER pour fuel onto a live fire! If you decide to use a fuel other than Isopropyl Alcohol ALWAYS make sure it is safe to burn indoors and read any and all safety instructions.

Q & A

Q. There are two or three 'flags'. I get that the solid one is for snuffing the flame but not sure about the second one with the hole in the center. It seems to tame the flame a bit but the arm sticking out of the glass doesn't make sense. Is the unit intended to be operated with the hole flag in place?

A. The flags with Holes are to lower the flame. The reason for the arm is so that you can insert the snuffer without coming close to the fire. Again Snuffers with holes make the flame smaller.

Q. Also, the IPA (isopropyl alcohol) we had at the house is 70%. I think IPA can be bought at 99% . Do you recommend one over the other?

A. 70% is fine and is usually costs less, anywhere from \$1.50 to \$.89 cents a quart. 99% can be more expensive and doesn't burn any better. However, you could switch to denaturized alcohol for your Vortexed55 and the flame will burn blue. Denaturized alcohol is available at Home Depot or Lowes for about \$15.00 a gallon.

Q. Finally, how much alcohol should go the fuel container? Is there a level that should be maintained for optimum performance?

A. Typically filling the container about 80% is best. After a few burns, there will be water/hydrogen at the bottom of the cup, dispose of it. It will not burn.

Further Recommendations...

- Keep a flat piece of stone, marble or any heat resistant shield between your Vortexed55 and the table surface. It can and will get hot.
- ALWAYS make sure the fire is completely OUT and COOLED before handling the FUEL canister.
- NEVER pour any flammable liquid onto a flame. Fuel vapors can and will ignite - creating a very dangerous situation.

Estimated Burn Times For VortexED 55

Note 1 Quart = 32 ounces

24" VortexED55 Fluid level Maxed at 96 ounces	Burn Time
Without Snuffer - 4" Opening	Roughly ~ 2 hours, 7minutes
With 3" Snuffer	Roughly ~ 1hour, 40minutes
With 2" Snuffer	Roughly ~ 5 hours

18" VortexED55 Fluid level maxed at 56 ounces	Burn Time
Without Snuffer - 3" Opening	Roughly ~ 3 hours
With 2.5" Snuffer	Roughly ~ 2hours, 9minutes
With 2" Snuffer	Roughly ~ 2hours, 43minutes

14" VortexED55 Fluid level maxed at 32 ounces	Burn Time
Without Snuffer - 3" Opening	Roughly ~ 1hour, 30minutes
With 2.5" Snuffer	Roughly ~ 2hours, 24minutes
With 2" Snuffer	Roughly ~ 2hours, 44minutes

12" VortexED55 Fluid level maxed at 23 ounces	Burn Time
Without Snuffer - 3" Opening	Roughly ~ 2hour, 6minutes
With 2" Snuffer	Roughly ~ 2hours
With 1.5" Snuffer	Roughly ~ 4hours, 12minutes