



EtOH Pro User Manual

Version 2 March 2025
Part # 74-00050

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TABLE OF CONTENTS



TABLE OF CONTENTS

Page 1 – Unpacking & Setup

Page 2 – Package Contents

Page 3 – System Components

Page 4 – Controls

Kettle & Lid

Page 5 – Altitude Tuning – **Set Your Elevation**

Using EtOH PRO

Page 6 – Extract Mode

Page 8 – Purge Mode

Page 9 – Care & Cleaning

Page 10 – Technical Specifications

Page 11 – Resources

Page 12 – Products & Options

Page 13 – Troubleshooting

Page 14 – Warranty

Authorized Dealers

Page 15 – Operational Guidelines & User Safety

[ExtractCraft contact information on front and back pages]

The most recent version of this manual and all other ExtractCraft manuals and documents may be found online at www.extractcraft.com/pages/user-manuals

UNPACKING INSTRUCTIONS

- 1) Start with unsealing the EtOH PRO outer carton. Take care not to damage this engineered container. If the EtOH PRO needs to be re-shipped, this container will be needed. Do not discard the outer carton.
IMPORTANT: While un-boxing the EtOH PRO, care must be taken to not stress the tubing connections between the two attached Lid parts and the base unit.
- 2) Start with unsealing the EtOH PRO outer carton. Take care not to damage this engineered container. If the EtOH PRO needs to be re-shipped, this container will be needed. Do not discard.
- 3) Remove top cardboard tray containing the metal holsters, and set aside.
- 4) Remove the two inner boxes containing the kettle, lids, jars, and power cord and set aside.
- 5) EtOH PRO is resting in a foam frame at the bottom of the box and is permanently connected to two vacuum sealing lids. Until the Kettle Lid Holster is installed, moving the EtOH PRO and Kettle Lid together will be cumbersome. To prevent damage while unpacking, keep the Kettle Lid on top of the EtOH Pro while un-boxing.
- 6) The EtOH PRO base weighs 38 lbs. It may be wise to have a second person help remove it from the box.
- 7) Be sure to keep the tubing connected parts are supported as the EtOH is removed from the box. Do not drag, stretch, or pinch tubing. Do not break off connectors with brute force un-packaging.
- 8) Confirm all parts are accounted for. The parts included are shown on the previous page.

Setting Up EtOH PRO

- 1) Using a Philips head screwdriver, attach the kettle lid holster to the back of the base unit, using the key holes cutouts on the holster to rest on the four pre-set protruding screws.
- 2) Place the Kettle Lid in the Holster. Now it is at home and will be safe from harm.
This is where it lives when not at work.

If the One Gallon Reclaim Collector is present - skip steps 3 through 5.

- 3) Attach the reclaim holster to the left side in the same manner as in Step 1.
- 4) Rest the empty reclaim jar in the holster.
- 5) Place the Reclaim Collector jar lid on the Reclaim jar. Loosely screw on. It only needs to not fall off.
Do not tighten!
- 6) Screw the glass spit jar on the metal cap. This is already connected to the base unit by a single tube.
- 7) Using a carpenter's spirit level, adjust the feet to level the base unit.
Make sure that it has firm and level footing on a smooth surface.
- 8) Connect the power cord to the back of the machine and plug Directly into an electrical socket.
[100 ~ 130 VAC; 650 Watt Max. Do not use an extension cord.]
- 9) Locate the power on/off switch on the back of the unit, set to "on" and confirm power is being delivered by the illumination of the green Start/Stop button.
- 10) Program the Elevation / Altitude Settings

PACKAGE CONTENTS

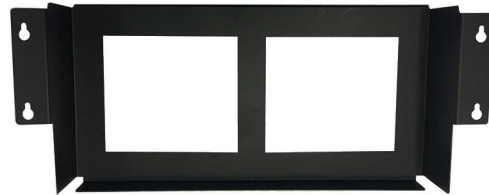
EtOH PRO Base Unit



High Current Power Cord



Kettle Lid Holster



Kettle



Reclaim Collector Jar Holster



Reclaim Collector(s)

64 ounce is standard / One Gallon is optional. Both are included if the Gallon option was purchased.



Spit Jar



Images not to scale

SYSTEM COMPONENTS

Kettle Electrical Connection

The power and sensor connectors were designed to make a secure and positive electrical connection. The user should feel it click into place when the Kettle is slid back on its rails. It makes a solid connection with power and the microprocessor.



Lid Holster

When not in use, the Kettle Lid should be protected. The Kettle Lid Holster on the rear of the EtOH PRO



Reclaim Contain & Holster

Precious ethanol is recycled and purified in our amazing process.

It is reclaimed in either a 64 ounce Mason brand Ball Jar, or a One Gallon stainless steel container. The standard Reclaim Lid is a custom design that fits all wide mouth Ball jars.

The Reclaim Holster prevents accidents. It should be used to protect the reclaim jar from tipping during use.

The One Gallon Reclaim does not have a holder. If this option was purchased, then the Reclaim Lid will be connected by tubing to the machine. Otherwise, the 64 ounce Ball Jar Reclaim Lid will be connected.



Spit Jar

The Spit Jar will collect any ethanol expelled by the pumps. It is designed for ease of use and accessibility. It should be emptied before starting a new process. This is clean distilled ethanol.



CONTROL PANEL: One knob & one button does it all.

EXTRACT: Vacuum is continuously controlled by the microprocessor, while heat is manually controlled with the knob throughout the **Red range**. The temperature variance is from 96°F ~ 105°F

PURGE: Vacuum pumps are off.

The options are to vent with heat, or to use an auxiliary external vacuum pump with the Purge Lid for vacuum oven for post-processing. In the **Green range**, the temperature is between 80°F ~ 120°F

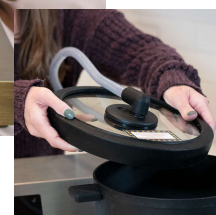


Purge Lid



KETTLE & GLASS VACUUM LID

The kettle is easy to handle for easy loading of the tincture as well as harvesting of the oil when the process is complete. The kettle sets on a pair of stabilizing rails with guides built into the base. The glass lid makes continuous monitoring of the entire process easy and convenient. This feature allows the user to accurately gauge exactly when it's time to stop the process to achieve the exact desired viscosity of the crafted oil.



The vacuum LID has a tool-less replaceable rim seal.



ALTITUDE TUNING / ELEVATION SETTING

In order for your Source to perform at full potential
IT IS VERY IMPORTANT TO PROGRAM THE ELEVATION
to the closest 1,000 feet.

Once you program an elevation it will remain as the default until it's manually changed to a different elevation.

DETERMINING ELEVATION

Visit www.whatismyelevation.com

STEPS TO PROGRAM ELEVATION

- 1 – Plug in the EtOH and wait for the **Green Button** to light up.
This takes a few moments.
- 2 – Push and hold the **Green Button** for a full 10 seconds and release.

If properly done, you will ...

- 3 – Observe the **Green Button** flash quickly 10 times

When the **Green Button** is done flashing, then

- 4 – Push the button once for every 1,000 feet of elevation up to 8,000 feet

Sea Level.....no button presses (*just wait for 10-seconds*)

1,000-feet.....1-time

2,000-feet.....2-times

3,000-feet.....3-times

4,000-feet.....4-times

5,000-feet.....5-times

6,000-feet.....6-times

7,000-feet.....7-times

8,000-feet.....8-times

- 5 – After entering your elevation the EtOH will pause for 10 seconds and the **Green Button** will flash the same number of times it was pressed. Once for every 1,000 feet that was entered.
- 6 – If the EtOH repeats back the correct number of flashes you're finished and ready to start your extract crafting.

If it's incorrect repeat steps 1-6 again. The elevation setting is stored permanently until the elevation is re-programmed.

USING EtOH PRO: STARTING EXTRACT MODE

Extract Mode will separate the ethanol from the tincture, recycling it and leaving the concentrate remaining. When the process is complete, the concentrate will remain in the kettle and the ethanol will be separated and collect in the reclaim collector.

First Users are advised to do a test run with only ethanol to get the feel of the machine and make sure everything is operating correctly.

Set the Altitude based on your reported Elevation

EtOH PRO is tuned to operate in an environment with an ambient temperature of **72°F-75°F**. Higher temperature environments will adversely effect its performance.

STEP 1: Handling Tincture in the Kettle

All Users: Agitate the Tincture. Let it absorb room air for at least a minute after a good shake or use a whisk, milk frother. It needs atmospheric gasses to achieve a quick boil.

First Users can Prepare for Process by plugging in the Kettle, before pouring in the Tincture. Commercial users with have more than one Kettle may have different protocols. However, if it is necessary to adjust the kettle once filled (even partially), place the lid on top before doing so. With the Kettle Lid in place, move to Step 2.

STEP 2: Starting Extract Mode

EXTRACT: Heat is manually controlled with the Knob throughout the Red range. The temperature variance is from 96°F ~ 105°F The vacuum is continuously controlled by the microprocessor, and there are no user controls for vacuum.

Turn to the right for higher temperature is more aggressive and faster than normal processing.

Turn to the left for less aggressive processing of thicker Tinctures, and to avoid bumping on hot starts.

- Confirm the plugs on the kettle are fully engaged.
 - If they are not plugged all the way in and fully connected the kettle will not generate heat for operation.
- Confirm the reclaim jar lid and kettle lid are securely in place.
- Confirm the spit jar is empty and attached.

Push the **Green** illuminated 'START/STOP' button one time to start processing

IMPORTANT: HOT START CONSIDERATIONS

When restarting EtOH PRO while the unit and contents are still warm there is a good chance for “bumping” to occur. This means that as the contents come under vacuum and have heat re-introduced there will be a big burp of liquid that will splatter aggressively.

To avoid this either wait for everything to cool down completely or turn the control dial to the lowest setting and restart the machine. Boiling should be reestablished in under 10-minutes, when this happens adjust the control dial to the performance level you prefer.

STEP 3: Assuring Proper Vacuum Sealing

- When a cycle is started the vacuum pumps will immediately begin evacuation. The most likely places to present a leak are the Reclaim Lid and the Kettle Lid.
- Hold the top of the reclaim jar Lid centered in place. With a decent seal, you should be able to pick up the (empty) jar by its hoses. You will soon be able to know what is sealed with this test. The outer threaded ring is not necessary under vacuum. It can be used to seal the jar before transfer.
- Be sure that the Kettle Lid is firmly held in place by vacuum. Simple downward hand pressure is all that may be needed, but if there is an issue you should examine the cleanliness and condition of the Kettle Lid seal.
- The entire machine should have a sealed vacuum within 15 ~ 30 seconds. Pumping will continue until process pressure has been achieved. This will take a few minutes.

USING EtOH PRO: RUNNING EXTRACT MODE

STEP 4: Running Extract Mode

Once the vacuum is established and the unit is running, small bubbles should appear quickly.

- On the highest setting it can take up to 20-minutes to see any throughput in the reclaim jar. Lower temp settings will take longer.
- As the process progresses you should see steady progress and increasing volume building in the reclaim jar as the level in the kettle reduces.
- If you are processing more than 1750 ml at one time you will need to stop the process to clear the reclaim jar as detailed next in STEP 5: Switching/Emptying Reclaim Jar Mid-Process when it becomes full. Once the jar is filled to the 1750 ml marks it's a good time to empty or switch out the reclaim jar as detailed in STEP 5
- User of the Gallon Reclaim Collector can skip STEP 5

Gallon Reclaim Collector



STEP 5: Switching/Emptying Reclaim Jar Mid-Process

(only necessary if processing more than 1750ml at a time)

- For users of the 64oz glass collection jar, we strongly advise to replace the nearly full collector with another empty jar. 1750ml is 60 fluid ounces, close to overflow. When vacuum is released, more ethanol drain from the condenser and add more to the jar. If there is not enough head space, the overflow will be pulled into the system. This is highly undesirable.
- Users of the Gallon Collector do not need to stop and can ignore this section.
- Push and release the **Green Button** once to stop the process. This will automatically release the vacuum.
- Vacuum bleed off will take up to 20 seconds.
- Remove the lid from the Reclaim jar and empty it or replace it with a clean empty jar.
- Put Reclaim Jar in the Holster, and the Reclaim Lid in place on top of the jar.
- Turn the Knob to the Left, and return to STEP 2

IMPORTANT: HOT START CONSIDERATIONS

Restarting processing with hot contents is likely to cause “bumping”, where large bubbles burst and splash created by an aggressive boil. In restarting a paused process, the heat will need to be significantly reduced. After about 10 minutes of mild warming, process can be re-adjusted for desired performance.

STEP 6: Deciding When to Stop the Process

- You decide when to stop the extracting process.
- The process must be stopped manually, so be sure to monitor the EtOH PRO unit during use to ensure your desired level of consistency.

STEP 7: How to Stop the Process

- Push and release the **Green Button** once to stop the process. This will automatically release the vacuum.
- Vacuum bleed off will take up to 20 seconds
- Remove the Kettle Lid from the Kettle and secure it in the Lid Holster
- Slide the Kettle away from its connectors, towards the front of the machine to disengage.
- Harvest the extract from the kettle using a silicone spatula.

Avoid scratching the Kettle coating

- If you find that you stopped the process too early you can put the kettle back in place, start the machine, and run it a little longer until you achieve the outcome you desire

USING EtOH PRO: PURGE MODE

Purge mode is used for post processing of concentrates to further purge residual ethanol content to your desired end product requirements. This is not necessary for all forms of extracts and concentrates. Very good concentrates can be made without post-process purging, but to achieve a higher degree of stability and lower residual ethanol more expediently it can be a very useful tool.

IMPORTANT: If placed directly in the kettle, oils and concentrates will become very difficult to collect from the surface of the kettle after being processed in purge mode. As a result, if using purge mode, the user must place the oil/concentrate in a heat safe container or on a platinum cured silicone mat in the kettle before using purge mode.

ExtractCraft makes no recommendations, representations or warranties regarding which specific containers or mats are appropriate for use for this purpose. User assumes all responsibility for choosing and using a container or mat and for following all safety instructions for the container or mat chosen for such a purpose.

PURGE MODE CONTROLS

Purge mode is controlled by the second half of the arc controlled by the dial and depicted in green. The arc represents a temperature range of approximately 80°F-120°F.

Using Purge Mode as a Hot Plate (heat only, no vacuum)

- 1) Place the concentrate at the bottom of the kettle in an appropriate silicone container
- 2) Slide the kettle into place, securely plugged into the base connectors.
- 3) Use the dial to set the desired temperature in the **Green Purge** range.
- 4) Push the green illuminated button once to begin heating.
- 5) EtOH will continue to deliver heat to the base of the kettle with no vacuum until manually turned off by pushing the green button or turning off the power to the machine.

Using Purge Mode as a Vacuum Oven (auxiliary lid and pump required)

- 1) Place the concentrate at the bottom of the kettle in an appropriate silicone container
- 2) Slide the kettle into place, securely plugged into the base connectors.
- 3) Use the dial to set the desired temperature in the **Green Purge** range.
- 4) Push the green illuminated button once to begin heating.
- 5) Place the Purge Lid on kettle.
- 6) Using appropriate hose, attach an oil-less auxiliary diaphragm vacuum pump directly to Purge Lid and pull desired vacuum level for purging.

Note: If a cylinder operated pump with a lubricated crankcase is used for purging, a Cold Trap will need to be in between that pump and the purge lid. The cold trap will keep the pump oil from being fowled by the ethanol, and prevent vacuum pump debris from being sucked into the kettle.

ExtractCraft Purge Lids come with complete technical instructions.

With a wide variety of pump options on the market, the user will be responsible for tubing, hoses, and vacuum connections for auxiliary equipment. We can provide consulting for use with our products.



CARE INSTRUCTIONS

CARING FOR THE EtOH

Seals

Dirty seals will cause vacuum leaks, excessive pumping, and slow operation. New seals are the least expensive part of EtOH, and available in our online store.

- The Kettle seal can be kept clean with 99% Isopropyl alcohol and a soft cloth. Never use strong detergents or alkaloid cleaners.
- It is unnecessary to clean the Reclaim seals as they should never be near extract. However, if they do become soiled with end product, they may be cleaned with Ethanol or Isopropyl alcohol.

In running a production facility, with perhaps more than one Kettle in use, we strongly suggest having extra seals on-hand.



Kettle

To keep the kettle lid clean, wipe the inside well after every extraction before the condensed ethanol is allowed to dry and any botanical extraction residue is able to cure or harden.

- The Kettle can be hand washed with non-abrasive detergent and a non-abrasive soft cloth. The Kettle should never be submerged and soaked in water, nor put into a dishwasher.
- The Kettle Lid can be cleaned with alcohol and a soft cloth.
- The silicone Kettle Lid Seal may be removed for cleaning, but the rest of the lid should not be disassembled.

IMPORTANT: Damage to the Kettle caused by using hard utensils and tools is not covered under warranty. Please care for the EtOH Kettle by using Silicone and non-scratch implements. Visit the kitchen supply stores for innovative tools. It is difficult to keep up with the variety of soft kitchen tools available.

Collectors

With both 64oz Glass and One Gallon Collectors, the commonly known issue is Seals.

- The 64oz Lid is available with the Seal in place.
- The Gallon Collector Lid Seal is interchangeable with the Kettle Seal. It is the same part.

Seals represent a normal wear part and should be replaced as needed depending upon use.

The Spit Jar is not under vacuum and does not need attention to its seals.

Base (metal enclosure):

The outside surfaces of the base can be cleaned with mild detergent. Stubborn sticky can be removed with Isopropyl alcohol. Never use Acetone anywhere near any of our products.

Draining the EtOH

If the EtOH will not be used for a period of time after a recent run, we suggest that the machine be drained. This will prevent condensed ethanol from remaining in the plumbing.

- Without the Kettle in place, turn the Knob all the way to the left. In the Extract range.
- Push the Green Button and start pumping.
- Lift one side of the EtOH about 10 inches, hold it for a moment and then set it down.
- Repeat this for the side. Do this a few times. This is side-to-side, not back-to-front.

Any excess ethanol in the system will be ejected into the Spit Jar

TECHNICAL SPECIFICATIONS

Electrical Requirements

- 100-130 VAC, 50-60 HZ
- 650W@120 VAC, 5.5 AMPS

THERMAL	
Maximum ambient temperature for processing	= 80°F
Processing temperature range	= 96°F ~ 110°F
Purging temperature range	= 80°F-120°F

- Processing and purging temp ranges may vary due to differences in ambient atmospheric conditions and elevation considerations.
- At the end of the process if the kettle is run dry or mostly dry for any amount of time you may expect a minor temperature range deviation.

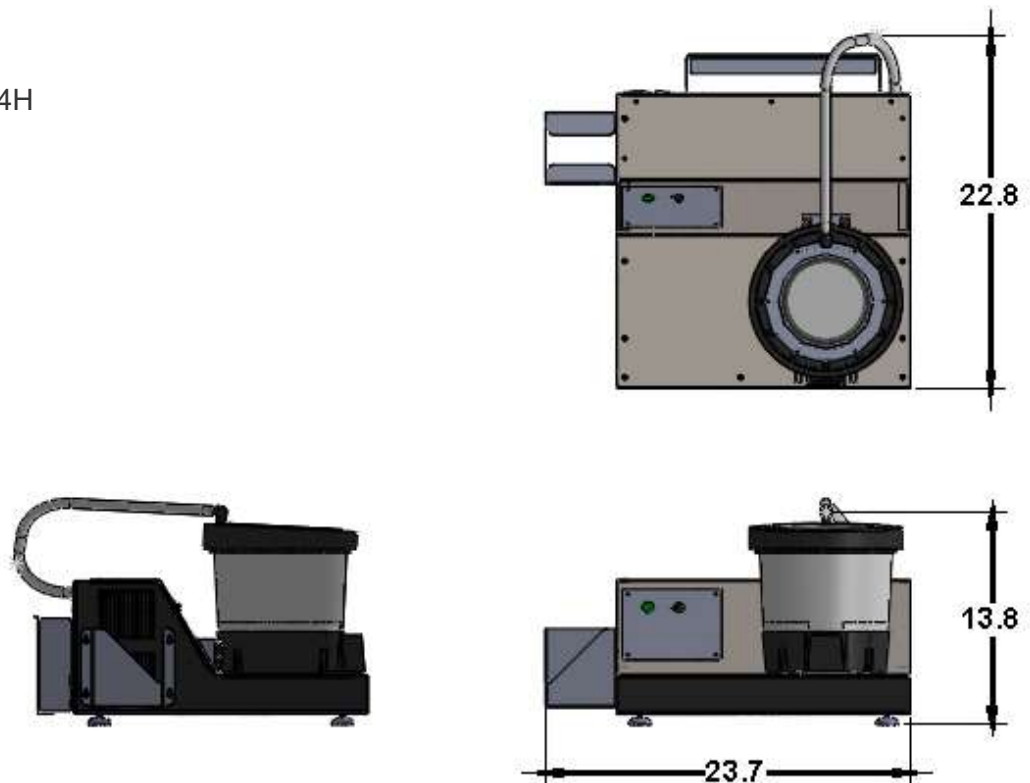
PROGRAMMED ALTITUDE RANGE

Sea level to 8000 feet

MECHANICAL

Dimensions: 24W x 23D x 14H

Mass: 38 lb



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RESOURCES

Here are some great resources for you to learn more about ethanol extraction and the ExtractCraft equipment.

ExtractCraft Website:

<http://www.extractcraft.com>

ExtractCraft YouTube Channel:

Lots of how-to and technical support videos.

<https://www.youtube.com/c/ExtractCraftVideos>

Blog For Ethanol Extraction:

Great place to learn many techniques, uses of equipment, and general knowledge (wide range of topics so 21 years and older only).

<https://extractcrafter.com>

Great Facebook User Groups:

1) "ExtractCraft Users Group" - Main Group

Unrestricted content group (wide range of topics so 21 years and older only).

<https://www.facebook.com/groups/921284877977347/>

2) "ExtractCraft Culinary and Aroma Extraction Arts" Group

Content restricted to culinary and aroma extraction subjects.

<https://www.facebook.com/groups/183294065570985/>

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Products & Options

SOURCE TURBO COMPLETE SET



The ExtractCraft Source Turbo Complete Set provides the home user with the ability to create kitchen extractions. This counter-top appliance is about the size of a coffee maker. In this set, the Source Turbo extractor comes with a Buchner filter funnel, Erlenmeyer flask, and two boxed grades of filter paper.

This product has been a top seller for a decade at ExtractCraft

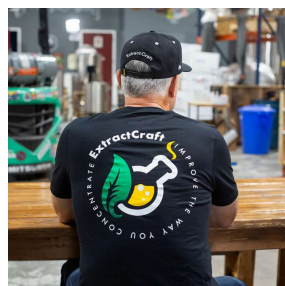
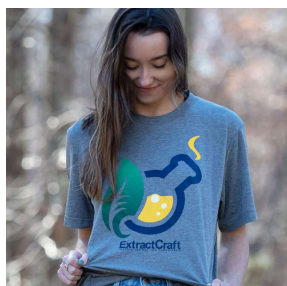
Has your process improved to large batches? Do you want to avoid the issues created in re-starting an extraction? The One Gallon Reclaim Container will double the volume of containment for EtOH PRO.



ExtractCraft has a variety of Silicone tools and containers. Batch users can appreciate multi-colored silicone puck containers, or a wide flat self-sealing silicone box. We have wide coated paper work mats as well as silicone.

Not found in the local kitchen store, but there is benefit there too. We cannot keep up with the styles of available silicone spatulas.

Hemp Shirts, Hemp Ball Caps, Hemp Pom Beanie, Stickers & Schwag



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TROUBLE SHOOTING

EtOH PRO is tuned to operate in an environment with an ambient temperature of **72°F ~ 75°F**. Higher temperature environments will adversely effect its performance.

PROBLEM	RECOMMENDED ACTIONS
Cannot Achieve Vacuum	- Confirm that the Kettle Lid is centered and seated properly on the kettle. - Apply gentle downward pressure on the Kettle Lid for 10-20 seconds until vacuum is established. - Confirm the vacuum seal on the Reclaim Collector. The Reclaim Lid(s) should be secure. - Check the Kettle Seal for Dirt. Examine for rips and tears in the silicone material. <i>[Seals should be kept clean, but are easily replaceable.]</i>
Absence of Bubbles -- Not Boiling	- Make sure the Kettle is plugged in all the way until you feel the SNAP for it to be fully engaged. - Confirm the control dial is in the red EXTRACT range and not into the green PURGE zone - The Tincture was NOT made using clean and uncontaminated 190-proof (or higher) ethanol. - Reset altitude to confirm it's programmed. - Try setting altitude 1,000 feet lower.
Slow Boil -- Low Production	- The Tincture was NOT made using clean and uncontaminated 190-proof (or higher) ethanol. - Aerate the Tincture, either by shaking before pouring in, or by using a hand whisk in the kettle. <i>[Tincture needs dissolved atmospheric gasses to boil. Shake or vigorously stir before starting]</i> - Make sure altitude is set properly, and lower by 1,000 if necessary. - The ambient room temperature has exceeded 75°F
Aggressive Fast Boil	- Turn the control dial down to a lower setting. - Try using an altitude setting 1,000-feet higher.
Green Button Flashing Error Messages	- Steady flashing indicates the Kettle is not fully engaged, and needs to be inserted further. - Three fast flashes repeating indicates that the vacuum seal is not established and both the reclaim jar lid and kettle lid should be checked for proper placement and seal.
Continuous Pumping Slow Production Vacuum System Leak	Pumping is nearly continuous while production is possible, but slow. There is a vacuum leak. - The ambient room temperature has exceeded 75°F - An in operation leak test with a glass Reclaim Collector containing some ethanol, it can be inverted to look for champagne bubbles rising from the Reclaim Lid. - While not in operation, the Kettle Lid Seal must be examined to find dirt, or rips and tears. - The Vacuum Pump Pack may need replacement. Depending on frequency of duty, and machine care, the pumps may require replacement. Draining the EtOH (Page 9) will prevent pump seal degradation when not in use.

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LIMITED WARRANTY ON THE EtOH PRO

This limited warranty gives you specific legal rights and you may also have other rights, which vary from state to state. The limited warranty can also be found online at www.extractcraft.com/warranty or in the documentation we provide with the product. We warrant that during the warranty period, the product will be free from defects in materials and workmanship. We limit the duration and remedies of all implied warranties, including without limitation the warranties of merchantability and fitness for a particular purpose to the duration of this express limited warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Our responsibility for defective goods is limited to repair, or replacement as described below in this warranty statement.

WHO MAY USE THIS WARRANTY?

ExtractCraft ("we") extend this limited warranty only to the consumer who originally purchased the product ("you"). It does not extend to any subsequent owner or other transferee of the product. Further, we strongly urge caution when purchasing from Amazon and Ebay. Amazon and Ebay online purchases from sellers not included in the "AUTHORIZED SELLERS" list below will not be covered by the ExtractCraft warranty and will not be eligible to be serviced by ExtractCraft. ExtractCraft reserves the right to update and amend the Authorized Sellers list without notice. The ExtractCraft warranty does not cover purchases outside of our authorized dealers and units will not be eligible for servicing by ExtractCraft.

WHAT DOES THIS WARRANTY COVER?

At its sole discretion, ExtractCraft shall repair or replace any EtOH, for any manufacturing defect for a period of 12 months from shipment of the device when purchased from ExtractCraft or an authorized dealer defined in the "AUTHORIZED SELLER" section of this manual.

WHAT DOES THIS WARRANTY NOT COVER?

This limited warranty does not cover any damage due to: transportation; storage; improper use; failure to follow the product instructions or to perform any preventive maintenance; modifications; unauthorized repair; normal wear and tear; or external causes such as accidents, abuse, or other events beyond our reasonable control.

WHAT IS THE PERIOD OF COVERAGE?

This limited warranty starts on the date of your purchase and lasts for one year (the "Warranty Period"). The Warranty Period is not extended if we repair or replace the product. We may change the availability of this limited warranty at our discretion, but any changes will not be retroactive.

HOW DO YOU OBTAIN WARRANTY SERVICE?

To obtain warranty service, you must email our Customer Service Department at info@extractcraft.com during the Warranty Period to obtain a Return to Manufacturer Authorization ("RMA") number. No warranty service will be provided without a RMA number.

[Any service arraignment where an EtOH is sent to ExtractCraft will require an RMA record with ExtractCraft.]

We strongly urge caution when purchasing from Amazon and eBay. Amazon and eBay online purchases from sellers not included in the "AUTHORIZED SELLERS" list below will not be covered by the ExtractCraft warranty and will not be eligible to be serviced by ExtractCraft. ExtractCraft reserves the right to update and amend the Authorized Sellers list without notice. The ExtractCraft warranty does not cover purchases outside of our authorized dealers and units will not be eligible for servicing by ExtractCraft.

AUTHORIZED DEALERS & DISTRIBUTORS:

- All bricks & mortar retail store sellers.
- BoB HQ - www.bobslethbridge.ca
- Best Value Vac - www.shopbvv.com
- California Grow - www.californiagrowshops.com/
- DL Wholesale - www.dlwholesale.com
- ExtractCraft factory store on eBay - <http://stores.ebay.com/extractcraft>

ALL other Amazon and eBay sellers are UNAUTHORIZED and will not be covered by warranty or serviced by ExtractCraft.

Operational Guidelines & User Safety



Attention: Please follow these safety guidelines

- Allow any metal parts to completely cool before handling
- Always make sure there is no ethanol spilled or present on the electrical plug connecting the kettle to the main body. This area must be checked and kept dry at all times.
- Place EtOH PRO well away from heat sources, direct sunlight, or places where heat may become concentrated.
- Inspect all parts and connections and confirm proper fitting prior to each use.
- Do not operate EtOH Pro if any parts are damaged, flaking, show excessive wear, or appear unsafe in any way.
- Never operate the machine without the spit jar attached
- Never overflow the reclaim jar.
- Keep the base on the unit away from any water exposure at all times. Do not immerse or expose the base of the unit into water or liquid of any kind.
- There is no automatic shut-off for the EtOH PRO, you must turn off power when not in operation.
- EtOH PRO will vibrate during operation. Objects will slide off and the unit could shift position. Place on a flat, non-slip surface where the unit can not slide



SOLVENT: Only food grade ethanol

WARNING: Only food-grade, non-denatured ethanol may be used in the Source.

- Do not use ethanol with any kind of adulterants like Xylene or similar.
- Do not use methanol (wood alcohol) or any other solvents as they may be poisonous, lead to sickness or possibly death, or create fire and explosion hazards.



PLANT EXTRACT WARNING

WARNING: Some plant extracts are potentially dangerous due to the toxicity of concentrated chemical components and may be harmful or even deadly if ingested or absorbed through skin or membranes. The flash point (temperature at which a compound gives off sufficient vapor to ignite) of each plant extract is different. Many common oils, such as tea tree, lavender, and citrus oils are classified as flammable liquids. Botanical oils valued for aroma-therapeutic qualities may cause skin irritation, allergic reactions and other health problems. You must determine the hazards and handling requirements of the particular oils you extract.



Alcohol is extremely flammable !

- **Always use caution** when handling alcohol and keep it well away from any kind of flame or ignition source. The safest storage location is your freezer.
- **Empty the reclaim** before it over-flows. It is wise to drain the reclaim collector after use.

For the best result and operation use 190-proof (95%) or higher food grade ethanol



ETOH PRO USER MANUAL

Version 14 March 2025
Part # 74-00050

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