



Vacuum Purge Lid for EtOH Pro

User Guide

Overview

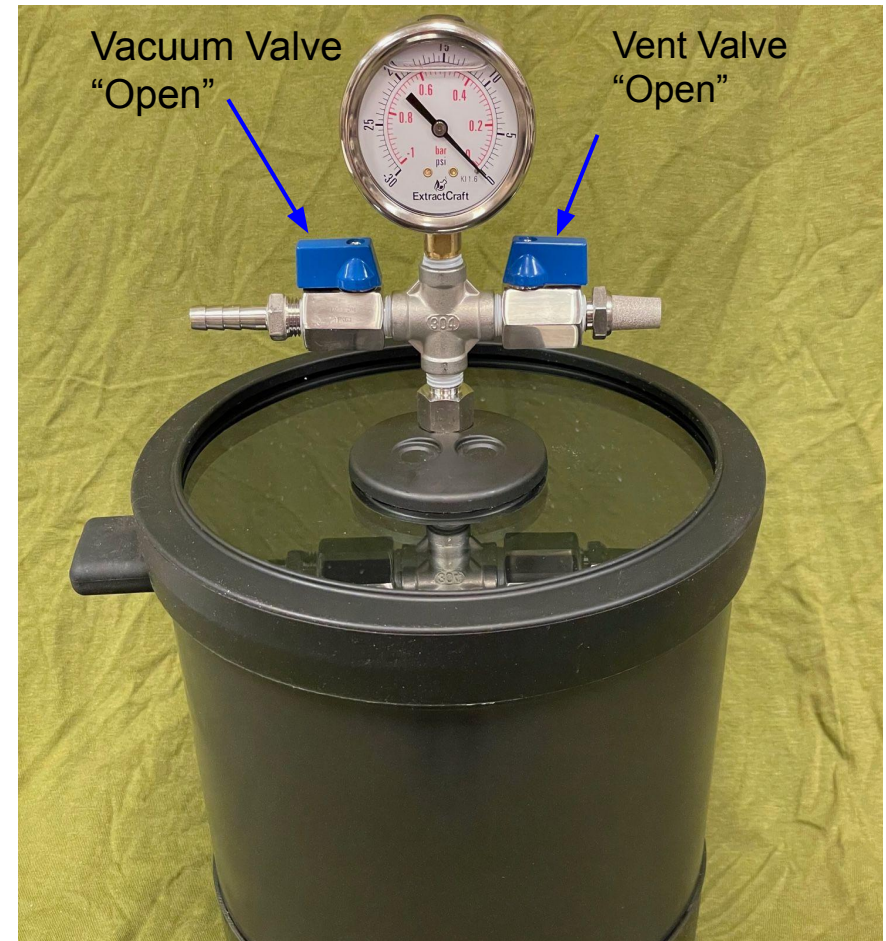
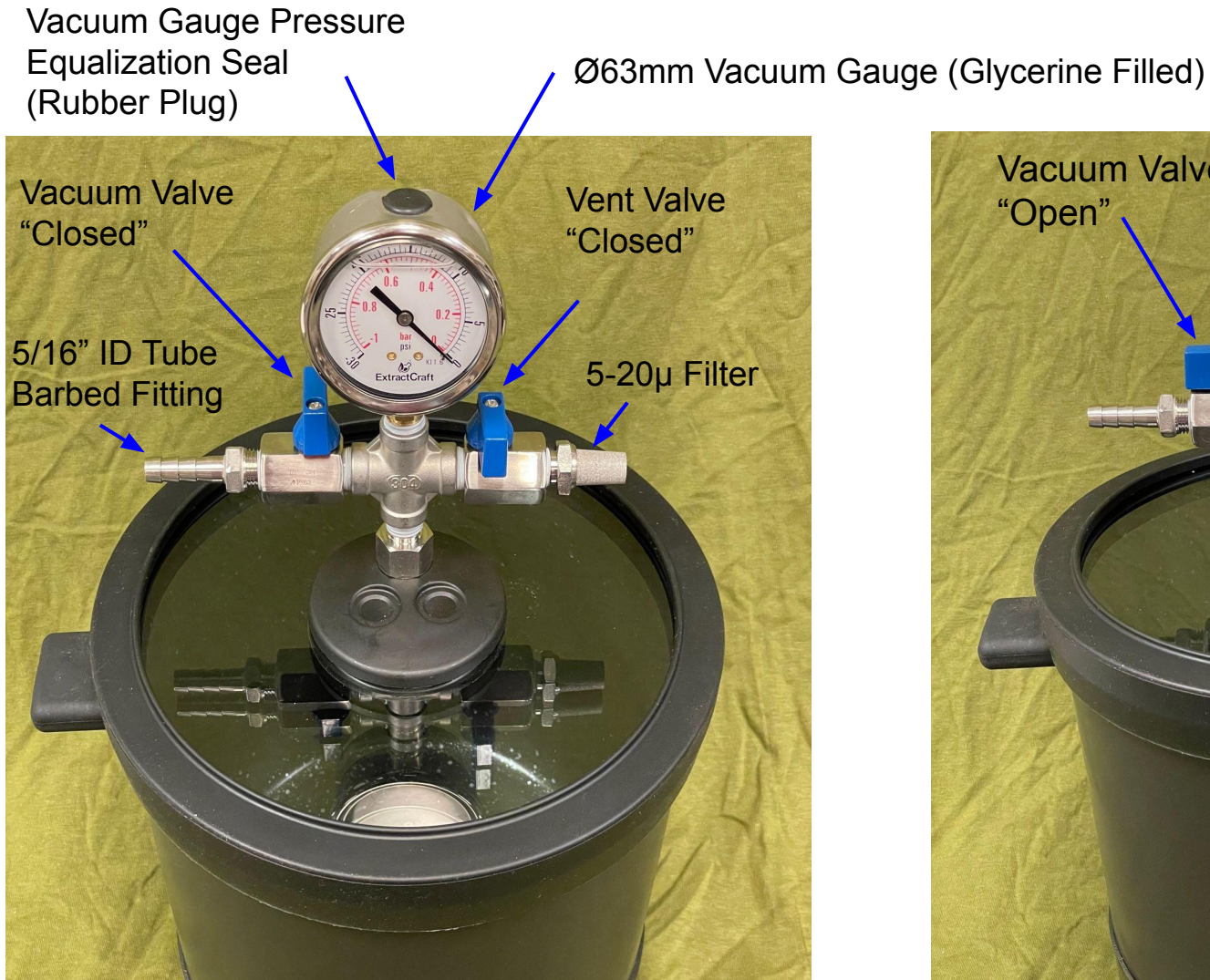


Kit Contents

Item	Description	Quantity	Part Number
1	Vacuum Purge Lid	1	90-50001

- **Important - Prior to First Use:** Slightly lift the rubber plug at the top of the gauge to allow the internal pressure to equalize. DO NOT push in or fully remove plug.
- **Important -** Do not rotate/twist Gauge Assembly coming up from lid. The Gauge Assembly is able to rotate slightly, but excessive rotation could lead to leaks over time.
- Designed to fit the EtOH Pro Kettle.
- Uses the EtOH Pro's Purge Mode.
- Requires an external vacuum pump capable of providing high vacuum.
- Hose barb is designed for 5/16" ID vacuum tubing.
- The Vacuum Pump must be plugged into a normal power outlet. The switched outlet on the back of the EtOH Pro is not used for Purge Mode.

Vacuum Purge Lid Components



Usage with the EtOH Pro



- Oil should be on a non-stick silicone mat placed at bottom of the Kettle.
- Plug the kettle into the EtOH Pro, verify the machine is turned on via the switch in the rear and that the dial is set to Purge Mode.
- Attach the vacuum tubing to the Barbed Fitting. Attach the other end of the tubing to the vacuum pump.
- Place the lid on the Kettle and press the green Start button on the EtOH Pro to start Purge Mode.
- Make sure the Vacuum Valve is in *open* position and the Vent Valve is in the *closed* position.
- Turn on the Vacuum Pump and keep it running until you reach the maximum vacuum your pump will allow. (Make note of the maximum vacuum level for future reference.)
- Close the Vacuum Valve. Turn off the Vacuum Pump.
- After a couple of minutes verify the Kettle is warming up by feeling the base of the Kettle.
 - Note: The base of the kettle will never be hot to the touch.
 - If the base of the kettle does not feel warm see the steps in the Troubleshooting section.
- Appropriate vacuum purge time and vacuum level varies on a wide range of factors. Experiment for your best results.
- As vacuum level drops, you can open vacuum valve, pull additional vacuum again by turning on the pump, then close valve and turn off pump.
- When the vacuum level no longer drops after an extended time your purge is completed.
- Open the Vent Valve, then Vacuum Valve, and remove the Purge Lid.

Troubleshooting



- Incorrect Gauge Reading
 - At default, the needle on vacuum gauge should read 0. If it is not, equalize the pressure by lifting the rubber plug to vent the gauge.
 - Equalizing the pressure in the gauge can be done at any time. Venting the gauge plug is useful to verify the gauge is reading correctly.
- Vacuum Dropping
 - If the vacuum is dropping quickly check that all sealing surfaces are clean and free of debris.
 - Some vacuum loss is normal to the process.
 - Vacuum drop may be due to the internal pressure changes in the gauge. Vent gauge to check.
- Kettle Not Heating
 - Verify the kettle is fully inserted by firmly pushing the kettle forward into the machine.
 - Check for a rise in temperature by feeling the base of the kettle. The kettle may take a couple minutes to feel warm to the touch.
 - The kettle may be safely pulled out and reinserted while Purge Mode is running.