

5 Gallon Vacuum Degas Chamber

Step-By-Step Instructions

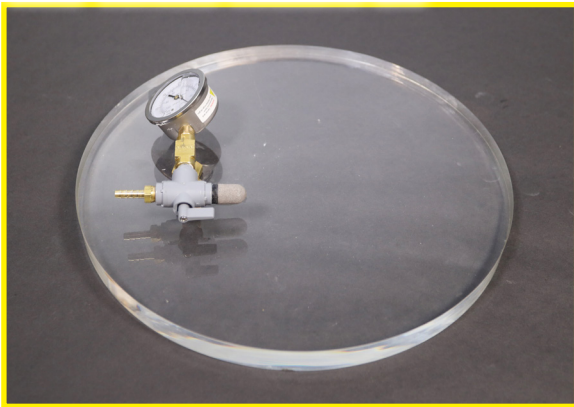


Please read the following instructions for the **5 Gallon Vacuum Degas Chamber** carefully before using this device.

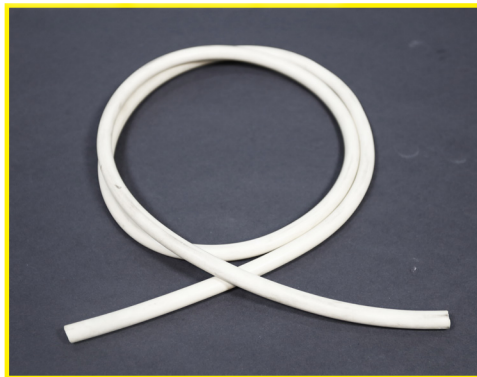
What's In the Box?

The **5 Gallon Vacuum Degas Chamber** Unit comes with the following items:

Clear Vacuum Chamber Lid



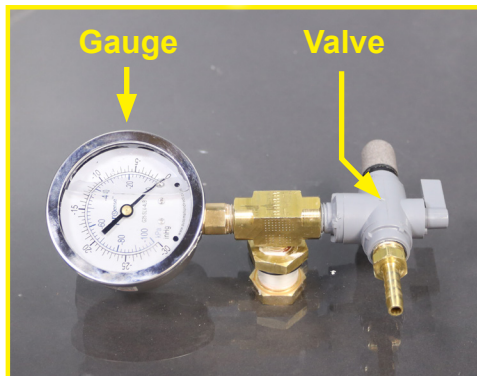
Rubber Vacuum Hose



Vacuum Chamber with Gasket

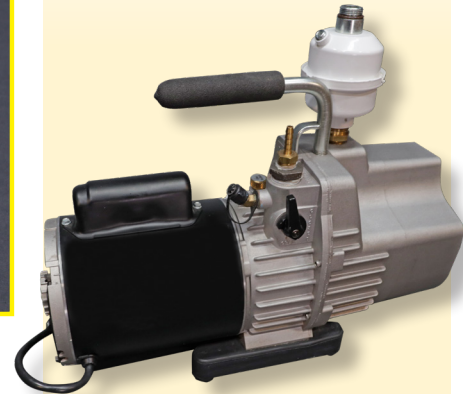


Valve Assembly



What Else Do I Need?

You will also need a Vacuum Pump (not included).



Minimum Vacuum Pump Rating

Vacuum Pump must be able to draw at least 29 inches of mercury (1 Bar) from the vacuum chamber at 8 cubic feet/min (cfm).

Be sure to inspect each item before assembly and use. Replace any damaged components before using. **Do not operate this device if any of these items are damaged or missing.**

Watch the video at:
www.smooth-on.com/5gallonvacuum



Assembling the Vacuum Chamber

1



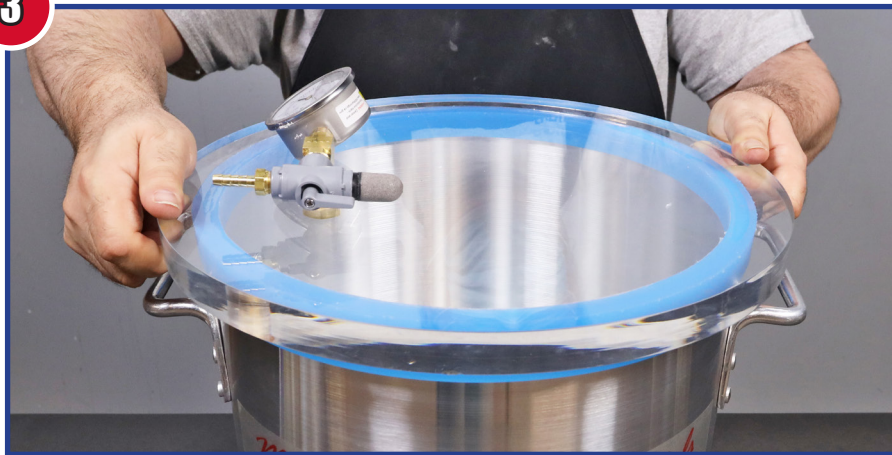
Check that the Blue Gasket is seated properly.

2



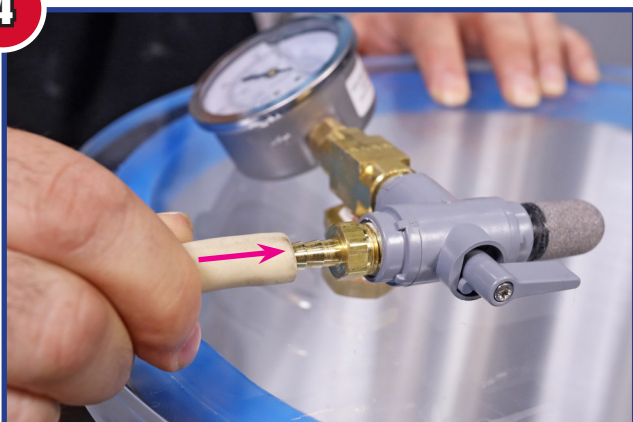
Place the Clear Vacuum Chamber Lid onto the Chamber.

3



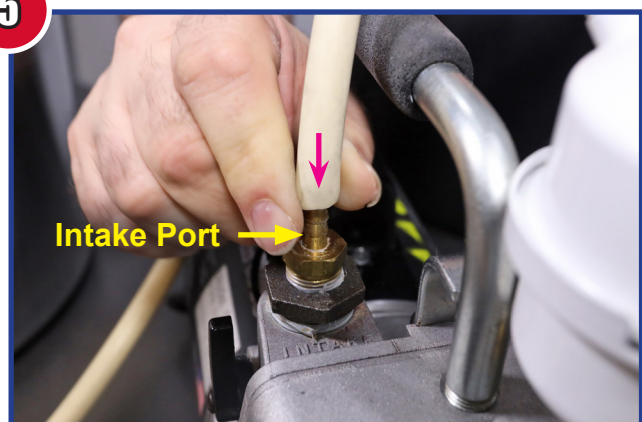
Check that the Clear Chamber Lid is centered on the chamber in order to create a tight seal.

4



Attach the Rubber Vacuum Hose to the Valve Assembly as shown to secure in position.

5



Attach the other end of the Rubber Vacuum Hose to the Intake Port on the Vacuum Pump. Push the Rubber Vacuum Hose down to secure in position.

Please review the general set up diagram below and check that everything is set up correctly before you begin.

Vacuum Chamber Set Up Overview

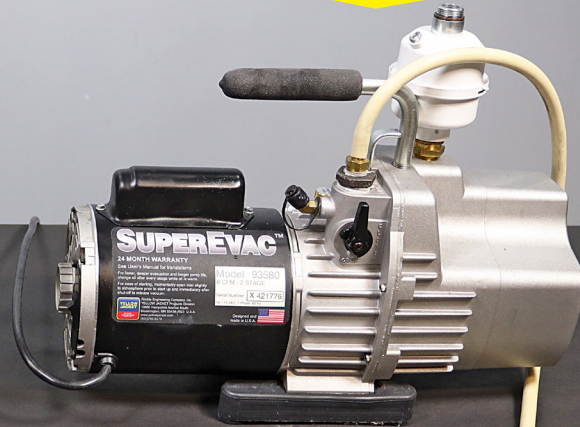
Valve Assembly



Vacuum Chamber

Minimum Pump Rating:

Vacuum Pump must be able to draw at least 29" of mercury (1 Bar) from the vacuum chamber at 8 cubic feet/min (cfm).



Vacuum Pump

Rubber Vacuum Hose

Operating the Vacuum Chamber



Dispense and mix material according to instructions. Pour material into a new container that is large enough to contain the rise of material during vacuuming (up to 5x expansion).



Place container with material into the Vacuum Chamber.



Center the Chamber Lid on top of the Blue Gasket to create an air tight seal.

Watch the video at:
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Operating the Vacuum Chamber

4



Turn on the Vacuum Pump.

5



Turn directional Valve to open position and draw vacuum into the Vacuum Chamber.

6



Vacuum should pull 29" of Mercury (1 Bar) in the chamber for proper degassing.

7



IMPORTANT: Do not walk away! Always monitor the rise of material. Use the valve to prevent it from going too high and into the air intake port.

8



After material collapses, wait about 60 seconds before turning off the Vacuum Pump. Turn the Valve to release the vacuum from the chamber. Once the vacuum has been released from the chamber, open the lid and remove the degassed material.

For Spills and Overflow

Clean the Vacuum Chamber with a lint-free or microfiber cloth. Use only isopropyl alcohol or denatured alcohol to clean this unit. **Caution: DO NOT USE** other solvents such as acetone, toluene or xylene, or abrasive cleaners, bleach, or ammonia to clean the vacuum chamber.

This unit is **NOT AUTOCLAVABLE**. Use at room temperature (73°F/23°C) only.

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