

2 Gallon Vacuum Degas Chamber

Step-By-Step Instructions



Please read the following instructions for the **2 Gallon Vacuum Degas Chamber** carefully before using this device.

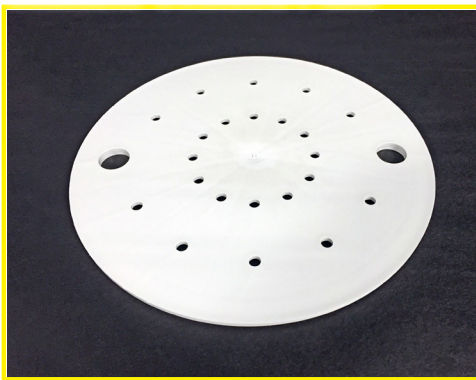
What's In the Box?

The **2 Gallon Vacuum Degas Chamber** Unit comes with the following items:

Clear Vacuum Chamber Lid



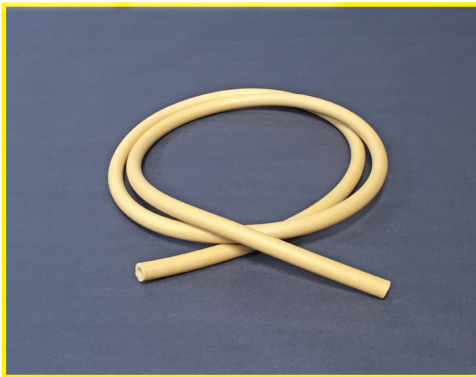
Chamber Overflow Plate



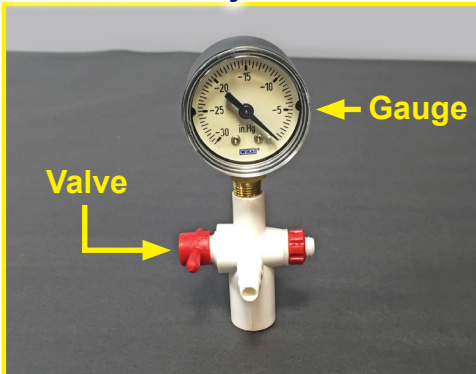
Vacuum Chamber Bowl



Rubber Vacuum Hose



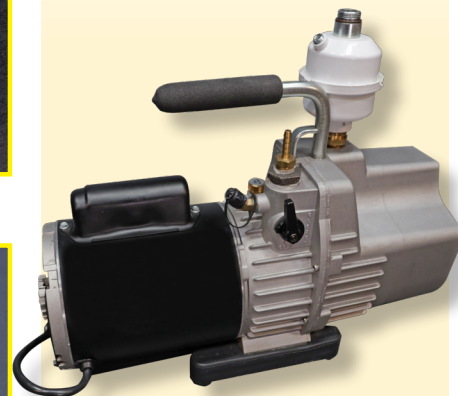
Valve Assembly



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.**

What Else Do I Need?

You will also need an **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).

Watch the video at:
www.smooth-on.com/2gallonvacuum



Assembling the Vacuum Chamber

1



Insert Chamber Overflow Plate into the Vacuum Chamber Bowl. Make sure the plate is level.

2



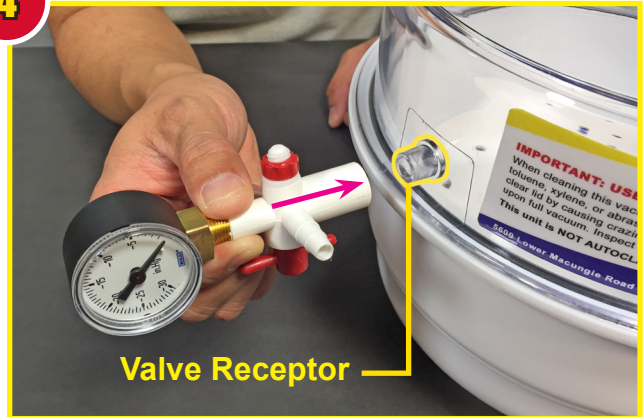
Check that the Black Gasket is seated properly in the gasket channel.

3



Place the Clear Vacuum Chamber Lid over the Chamber Bowl. Check that it is aligned properly to create a vacuum tight seal.

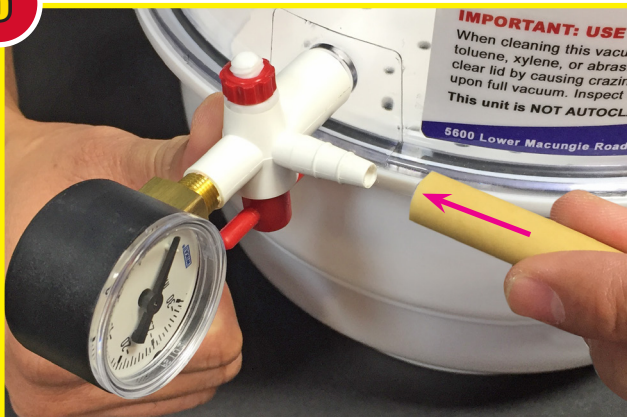
4



Valve Receptor

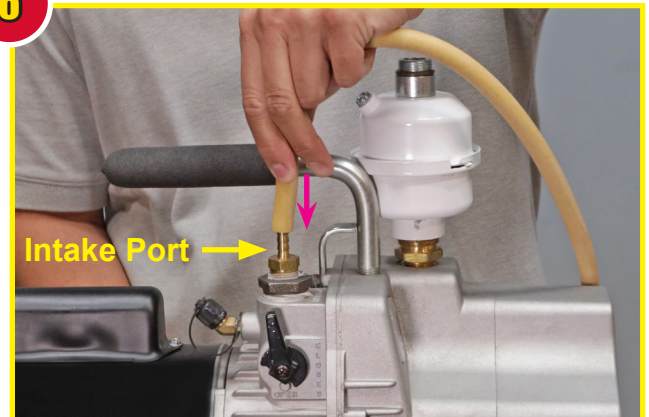
Use gentle pressure to attach the Valve Assembly to the Chamber Lid Valve Receptor located on the side of the Chamber Lid. (highlighted in photo above.)

5



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

6

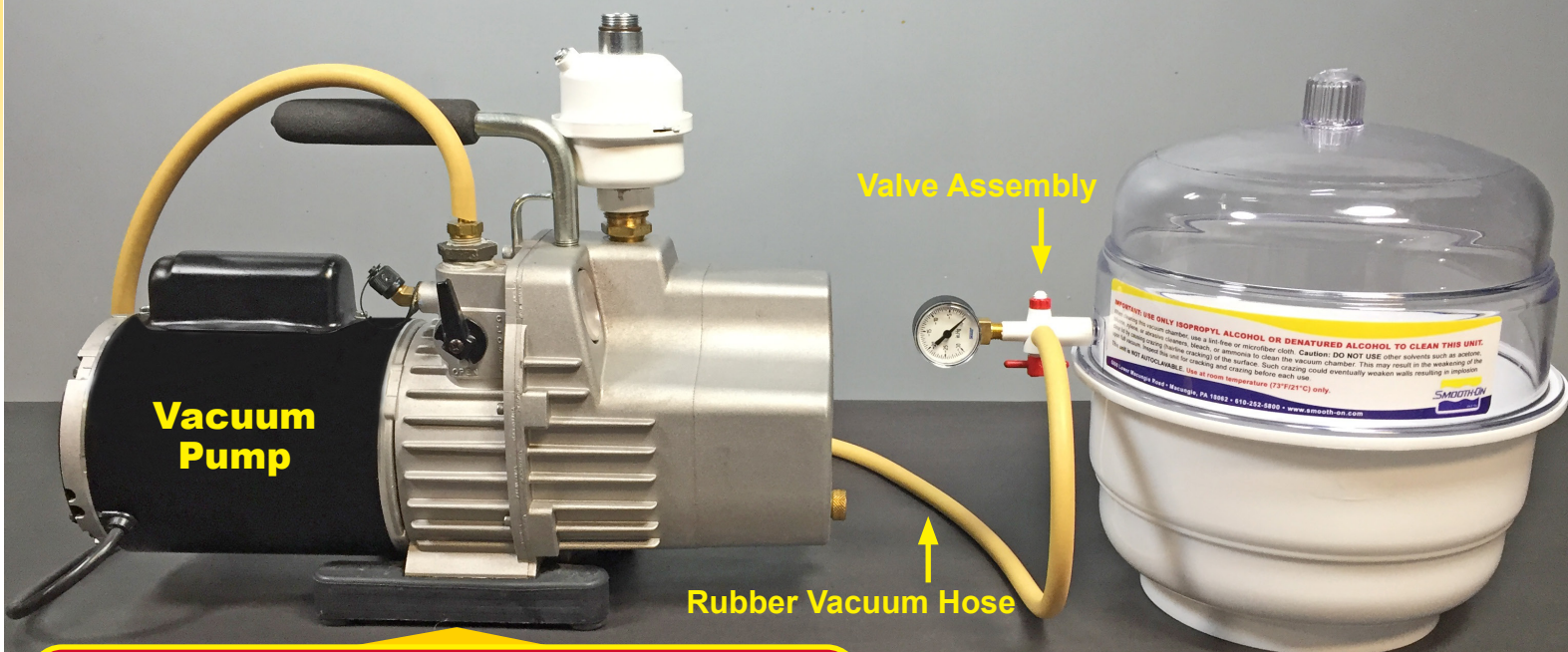


Intake Port

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



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).

Operating the Vacuum Chamber



Place material to be vacuum degassed into the Vacuum Chamber Bowl and close the Chamber Lid to create an air tight seal.



Turn on the Vacuum Pump.

Watch the video at:
www.smooth-on.com/2gallonvacuum



Operating the Vacuum Chamber

3



Turn the Valve a quarter turn to open and draw vacuum into the Vacuum Chamber.

4



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

5



Observe material as it expands under vacuum. The material will rise, so be sure the container is large enough to accommodate the expansion! If material looks like it's going to overflow, release pressure using the valve.

6



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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