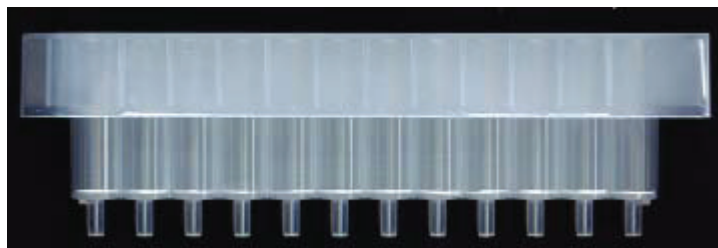


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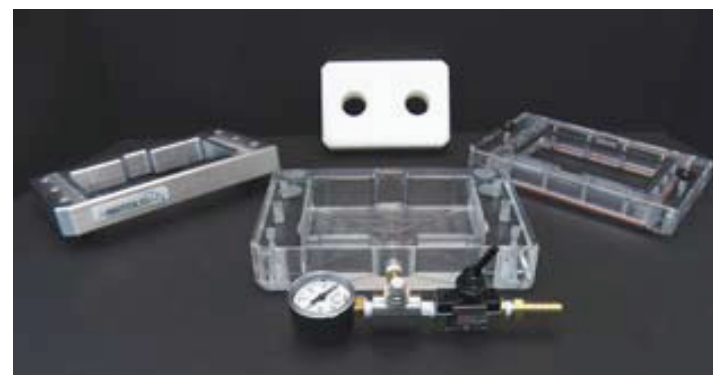


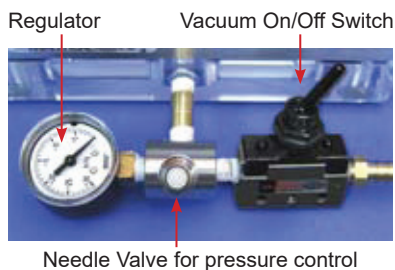
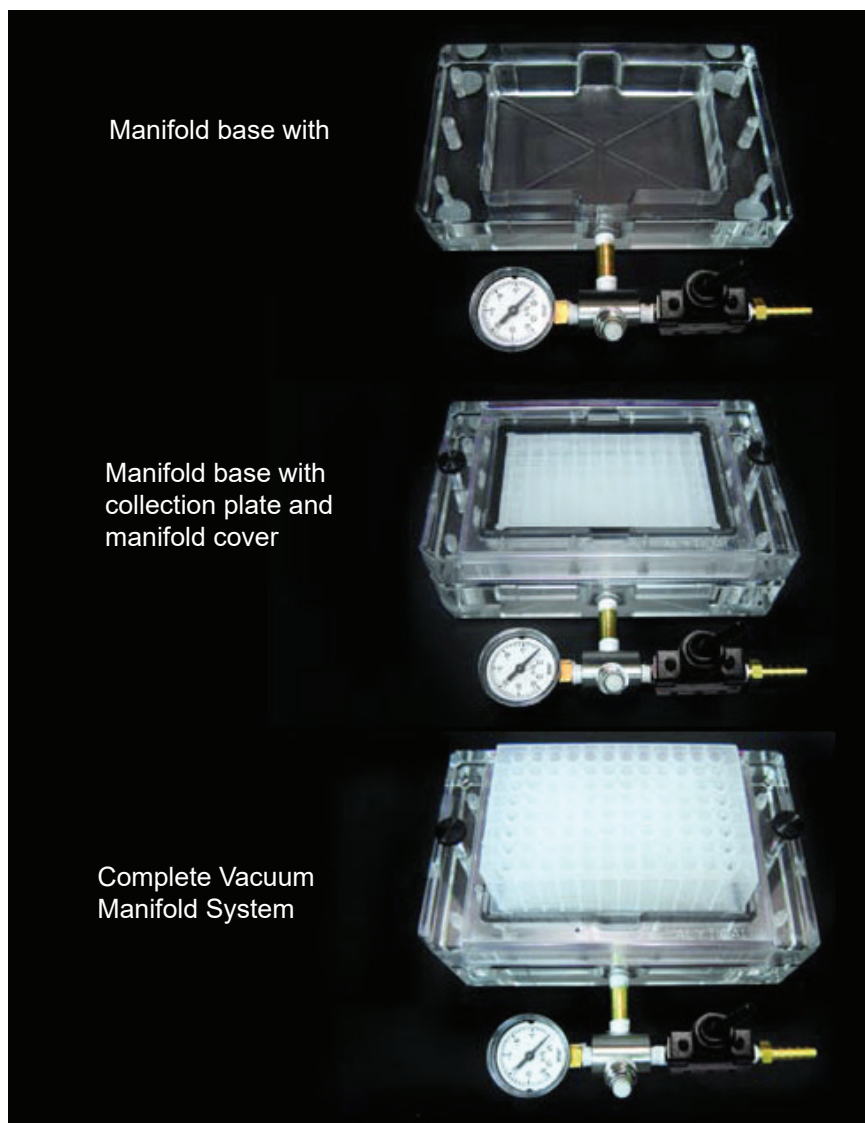
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Vacuum Manifold Filtration System

Operating Instructions





DISCLAIMER

The Vacuum Manifold needle valve is preset to 10in Hg. Exceeding 10in Hg may cause damage to the flat gasket. For best performance, centralize the product to the opening in the top of the manifold.

Operating Instructions

1. Separate the top of the unit from the body by lifting on the round knobs on top of the unit.
2. Place the storage/collection plate in the body of the unit. To accommodate a 300 μ L storage plate, use the spacer block provided.
3. Make sure all surfaces and seals are clean.
4. Connect the control valve to your in-house vacuum or standard vacuum pump.
5. Close the vacuum suction valve. (Pointing 90° to line)
6. Open the needle valve by turning it counter clockwise to start with a minimum amount of vacuum. By turning the needle valve clockwise, the vacuum pressure will increase.
7. Once the storage/collection plate is in the body of the manifold, fit the top onto the body by grasping the two knobs and positioning them using the locating pins. The locating pins engage in the two holes in the top surface of the body. Ensure that the top sits evenly on the body and rests on the O-Ring seal.
8. Place the filter bottom plate in the recess area in the top of the unit, making sure the bottom of the skirt on the filter bottom plate sits on top of the flat gasket.
9. Turn on the house vacuum and open the control valve. If the needle valve is closed clockwise the vacuum will increase. Watch the gauge while this is being done.
10. Observe the filtrate in the wells. The wells will begin to evacuate.
11. When all the filtrate has been vacuumed out of the filter bottom plate, turn off the vacuum supply and open the control valve to atmosphere to equalize the pressure in the manifold.
12. Remove the filter plate and place it aside or dispose of it properly.
13. Separate the top of the unit from the body by lifting the two lifting/positioning knobs.
14. Remove the storage/collection plate and observe the filtrate for proper levels.