

611-2360 (35-090) Vacuum Pump

Caution:
Oil must be added to the pump BEFORE plugging it in. Read instructions before operating.



Additional Materials Required

- Air line for connecting to experiments and demonstrations.

Warranty, Replacement Parts:

We replace all defective or missing parts free of charge. Additional replacement parts may be ordered. We accept Mastercard, Visa, American Express, and school P.O.s. All products warranted to be free from defect for 90 days. Does not apply to accident, misuse, or normal wear and tear.

Introduction:

The purpose of this device is to provide vacuum (negative pressure) or low pressure compressed air (positive pressure) for use in laboratory experiments and demonstrations.

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Care and Storage:

The pump is shipped with compressor oil and must be added prior to use. Oil access is granted under the hex cap on top of the pump. There is a round window on the end of the unit. This allows the user to view the level of oil in the unit. **Slowly add oil until it reaches the fill line. Do not overfill.** When the oil level falls below the red safety line, add compressor oil. **Check level with every use.** Store the compressor in a cool dry place.

How to use:

1. Add pump oil as described above. Do not overfill.
2. The pump is shipped with a hose connecting both the intake and output fittings. **Remove the hose before turning the unit on.** Do not remove the hex head screw cap.
3. Be advised that a small amount of oil may be discharged from the intake or output ports during the first few uses.
4. To operate the pump, make sure the hose is removed from the pump fittings, plug in, and flip the red switch on the base. The upper (larger) brass fitting will be the vacuum intake. The lower (smaller)

plastic fitting will be the air output. The air output is not designed for high pressure use. The fitting is smoothed to release a hose if the pressure is too high.

5. Connect the pump with pressure hoses to your equipment and operate. The vacuum is capable of reaching 30 inches of mercury. **Do not allow the pump to run beyond its capacity for very long or it will overheat and be damaged.**

6. Allow the pump to cool if it becomes hot during use.

Try vacuum experiments from Science First™:
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611-2345 Weight of Air Kit
611-2350 Guinea & Feather
611-2325 Magdeburg Hemispheres

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