Review full instructions prior to use for important safety information. Always check Rockler.com to confirm that you are using the most recent version of instructions for your product.
GENERAL SAFETY WARNINGS

This product is designed only for specific applications as defined in the instructions and should not be modified or used for any manner not described in these instructions. Use only recommended accessories. Before using the Vacuum Pump Kit: READ, UNDERSTAND and FOLLOW ALL INSTRUCTIONS AND SAFETY WARNINGS. KEEP THESE INSTRUCTIONS READILY AVAILABLE FOR FUTURE REFERENCE.

> Always confirm that you are using the most recent version of the Instructions and safety warnings for your product (see the Instructions link on the product page at Rockler.com).

> Before using another tool with this product, always read, understand and follow the instructions and safety warnings in the owner’s manual for that tool. If you do not have the owner’s manual, obtain one from the tool’s manufacturer before using it with this product.

> Before using any chemical with this product, always read, understand and follow all safety warnings and guidelines in the manufacturer’s Safety Data Sheet (SDS; formerly called “MSDS”), especially regarding:
  - How to safely use the chemical, including potential hazards and recommended first aid measures;
  - Personal safety equipment required to safely use the chemical (e.g. gloves, eye protection, mask/respirator, etc.);
  - Proper and safe handling, storage and disposal of the chemical.

> Before using this product, review and verify that all tools to be used with it have safety equipment installed and are in proper working order as defined by the tool’s owner’s manual.

> Do not use this product until you have read and are confident you understand:
  - Parts List (p. 3);
  - Assembly (p. 4).

> The user assumes all risk and responsibility for the proper and safe use of this product and for ensuring product suitability for the intended application.

> It is the sole responsibility of the purchaser of this product to ensure that any anyone you allow to use this product reads and complies with all instructions and safety precautions outlined in this manual prior to use.

> Follow all standard shop safety practices, including:
  - Keep children and bystanders away from the tool operating area;
  - Do NOT use power tools in explosive environments, or in the presence of flammable liquids, fumes or dust;
  - TURN OFF AND UNPLUG all power tools BEFORE making any adjustments or changing accessories;
  - Remain alert and use good judgment. Do not use this product if you are in any way impaired by medications, alcohol, drugs or fatigue;
  - Keep your work area well lit and clean;
  - Dress appropriately. Secure loose clothing, remove all jewelry and tie up long hair before using this product;
  - ALWAYS wear safety glasses, hearing protection and respiratory protection that complies with NIOSH/OSHA/ANSI safety standards;
  - Use dust collection tools and dust face masks to reduce exposure to dust;
  - Use safety equipment such as featherboards, push sticks and push blocks, etc., when appropriate;
  - Maintain proper footing at all times and do not overreach;
  - Do NOT force woodworking tools.

> These warnings and instructions do NOT represent the total of all information available regarding tool safety, use and technique. Always seek out opportunities to learn more and improve your skills and knowledge.

⚠️ WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known of the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.
## PARTS LIST - VACUUM PUMP KIT

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gast Vacuum Pump</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Pressure Gauge</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Air Filter</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Roll of Vinyl Tubing, 3/8” I.D. x 1/2” O.D. x 9’ Long</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>1/4” FNPT Crossed Brass Intersection Fitting</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>1/4” MNPT Plug</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>1/4” FNPT to 1/4” Barbed Fitting</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>1/4” MNPT to 3/8” Barbed Fittings</td>
<td>4</td>
</tr>
</tbody>
</table>
Assembly

1. Cut two 4"-6" long sections from the roll of 3/8" I.D. Vinyl Tubing (4).

2. If they are present, remove the plastic plugs from the intake and outlet ports on the Vacuum Pump (1). Note the arrows cast into the top of the pump; they indicate airflow direction. Fig. 1.

3. Thread one 1/4" MNPT to 3/8" Barbed Fitting (8) into the intake port on the Vacuum Pump (1) and tighten. The arrow above the intake port points toward the center of the cylinder.

**NOTICE**

If leakage is detected on this or any fitting after assembly, unthread the fitting, wrap Teflon tape around the threads and rethread the fitting.

4. Press one end of one of the 4"-6" sections of 3/8" I.D. Vinyl Tubing (4) as far as possible onto the barbed end of the 1/4" MNPT to 3/8" Barbed Fitting (8).

5. Thread the Pressure Gauge (2) into one port on the 1/4" FNPT Crossed Brass Intersection Fitting (5) and tighten.

6. Thread the 1/4" MNPT Plug (6) into the port opposite the Pressure Gauge (2) on the 1/4" FNPT Crossed Brass Intersection Fitting (5) and tighten.

7. Thread two 1/4" MNPT to 3/8" Barbed Fittings (8) into the remaining two ports on the 1/4" FNPT Crossed Brass Intersection Fitting (5) and tighten.

8. Press the open end of the 4"-6" section of 3/8" I.D. Vinyl Tubing (4) from Step 4 as far as possible onto the barbed end of one of the 1/4" MNPT to 3/8" Barbed Fittings (8) on the 1/4" FNPT Crossed Brass Intersection Fitting (5). Make sure that you will be able to read the Pressure Gauge after the tube is connected.

**NOTICE**

Do not use liquid soap or any other lubricant when pressing the Tubing onto fittings. Use of a lubricant could damage the Vacuum Pump.

9. Press one end of the other 4"-6" section of 3/8" I.D. Vinyl Tubing (4) onto the barbed end of the other 3/8" Barbed Fittings (8) on the 1/4" FNPT Crossed Brass Intersection Fitting (5). Press the tube on as far as possible.

10. Press one barbed port of the Air Filter (3) as far as possible into the open end of the 4"-6" section of 3/8" I.D. Vinyl Tubing (4) from Step 8.

11. Press one end of the long section of 3/8" I.D. Vinyl Tubing (4) as far as possible onto the other barbed port of the Air Filter (3).

12. Press the barbed end of the remaining 1/4" MNPT to 3/8" Barbed Fitting (8) as far as possible into the open end of the long section of 3/8" I.D. Vinyl Tubing (4).

13. Thread the 1/4" FNPT to 1/4" Barbed Fitting (7) onto the 1/4" MNPT to 3/8" Barbed Fitting (8), and press the barbed end of the 1/4" Barbed Fitting (7) as far as possible into the tube from your Rockler Vacuum Clamp Pod Kit (53418, sold separately).

Check Rockler.com for updates. If you have further questions, please contact our Technical Support Department at 1-800-260-9663 or support@rockler.com