



WAL-PRO® OPERATING INSTRUCTIONS  
Item No. 52-005

Included in your purchase:

- Gun Body
- Heavy Duty Large Capacity Hopper
- Small, Medium & Large Material Orifices
- Air Shut-Off Valve
- Quick Disconnect

The WAL-PRO® Hopper Gun is a precision tool designed to spray wall textures, ceiling textures and ceiling acoustics utilizing a compressor that produces 7 CFM (cubic feet per minute) at 25 PSI (pounds per square inch).

**CAUTION: Always wear appropriate protective devices, including eye protection.**

**ASSEMBLY:**

**Step 1:** You need to determine the type of compressor you will be using. For use with a Rotary Vane Compressor, thread the Quick Disconnect (50-025) into the bottom of the gun handle. For use with a Piston/Tank Compressor, first thread the Air Shut-Off Valve (50-052) into the bottom of the gun handle and thread the Quick Disconnect (50-025) into the air shut-Off Valve.

**CAUTION: THE AIR SHUT-OFF VALVE SHOULD ONLY BE USED WITH A COMPRESSOR THAT HAS A PRESSURE SWITCH FOR CONTROLLING ON/OFF FUNCTIONS. DO NOT USE THE AIR SHUT-OFF VALVE WITH THE WALLBOARD PORTA-COMPRESSOR. IMPROPER USAGE MAY RESULT IN DAMAGE TO YOUR EQUIPMENT AND PERSONAL INJURY.**

**Step 2:** You will need to attach the hopper gun to the gun body by placing the hopper upside down on the floor or a table. Place the hopper clamp over the neck of the hopper. Position the gun body so the handle is facing toward the rear of the hopper and push down firmly until it is seated. Tighten the hopper clamp.

**SET-UP** Mask off areas you don't want textured and use heavy-duty drop cloths to protect floors, furniture, etc. Plan how you intend to move during spraying and remove any obstacles in your path. Mix enough material to complete the job or section before starting to spray.

**TEXTURE TABLE**

This table shows the basic parameters in preparation for spraying. We recommend that you spray test panels using drywall, plywood or cardboard. Use a compressor that produces 7 CFM at 25 PSI. The air supply must be consistent or the texture pattern will change accordingly.

Texture Pattern	Mixture Thickness	Material Orifice	Pressure (PSI)	Trigger Pull
Light Splatter	Thick Paint	Small	23 - 25	1/3
Orange Peel	Thick Paint	Medium	20 - 23	1/2
Medium Splatter	Thick Paint	Medium	17 - 20	2/3
Heavy Splatter	Thin Pancake Batter	Large	10 - 15	Full
Acoustic	Manufacturer's Specs.	Large	17 - 20	Full

The texture pattern you select will determine the following:

**Mixture Thickness:** If you are using commercially available wall or ceiling texture mix, follow the manufacturer's instructions. If you are thinning down all purpose joint compound or topping mix, you will want a mixture thickness as described above.

**Material Orifice:** The smaller the material orifice - the finer the texture pattern and the larger the material orifice - the larger the texture pattern. You should always use a large material orifice with acoustic material.

**Atomizing Pressure:** A lower PSI will produce a heavier texture and an increase in pressure will produce a finer texture. The range in pressures will generally be between 10 - 30 PSI.

**Trigger Pull Distance:** If you have consistent air supply and air pressure, adjusting the trigger pull distance allows for the fine control of the texture pattern. To adjust the trigger pull distance, turn the knurled knob on the back of the gun clockwise or counter clockwise. Maximum adjustment is 7 turns or when the trigger touches the handle when pulled. Applying a consistent trigger pull distance is critical to consistent texture patterns.

**SPRAYING**

**Vertical (walls) and Angled (vaulted ceilings) Surfaces**

1. Fill your hopper 2/3 to 3/4 full with texture material.
  2. Start the compressor and open the shut-off valve, if installed, allowing air to discharge through the hopper gun.
  3. Stand 3 to 4 feet from the surface to be textured (except horizontal surfaces).
  4. Lift your hopper gun toward the top of the surface to be sprayed (at a corner or edge).
  5. Pull the trigger and start moving vertically, down the surface until you are near the bottom.
  6. Without stopping, move sideways and start up the surface vertically, until you are near the top.
  7. Without stopping, move sideways and start down the surface vertically, again.
  8. Repeat until all of the desired surfaces have been sprayed. Refill the hopper as necessary.
- If a "knock-down" texture is desired, wait until the top of the texture pattern changes from glossy to dull in appearance (normally 15 to 20 minutes) & **gently flatten** the texture with a Wallboard knock-down knife, taping knife or trowel.

WARRANTY / PARTS INFORMATION: PLEASE SEE PAGE 8.

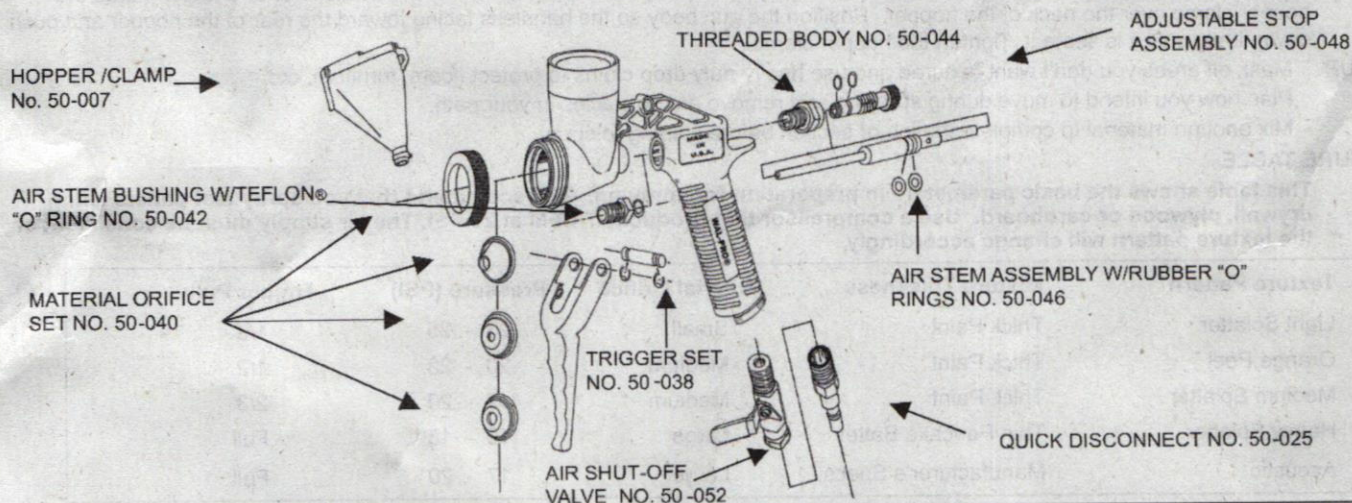


## SPRAYING

### Horizontal (flat ceilings) Surfaces

1. Fill the hopper 2/3 to 3/4 full with texture material.
2. Start your compressor and open the shut-off valve (if used) allowing air to discharge through the hopper gun.
3. Standing on the floor or other stable surface, lift the hopper gun until it is approximately 18" below and angled toward the surface at between 30 and 50 degrees at a starting point near the corner or edge.
4. Pull the trigger and move sideways until you reach the opposite corner or edge.
5. Without stopping, move backwards and start sideways in the opposite direction until you reach the starting corner or edge.
6. Repeat these procedures until you have textured the entire surface or are nearing a vertical surface.
7. If you are approaching a vertical surface, stop approximately 6 feet from the surface, turn around and repeat steps 3, 4 and 5.

### USE ONLY GENUINE WAL-BOARD® BRAND REPLACEMENT PARTS



#### TO CLEAN:

1. Flush out all remaining texture materials with water. Blow air through the gun to remove any texture materials or water that may have seeped into the air stem.
2. Turn the gun upside down and place 5 to 10 drops of light, lubricating household oil (such as 3 in 1®) in the Quick Disconnect with the Air Shut-Off Valve OPEN. This will allow the oil to lubricate the air stem and O-rings.
3. After oiling, pull the trigger several times and close the shut-off valve for storage.

#### MAINTENANCE / DISASSEMBLE:

1. Remove the Material Orifice.
2. Remove the Adjustable Stop by turning it counter clockwise until it is disengaged.
3. From the front of the gun, push the Air Stem toward the rear with your finger. The Air Stem may now be completely removed by pulling it out the back of the gun.
4. To remove or replace the trigger, remove one of the two "E" clips and slide the trigger retaining pin to one side.

#### MAINTENANCE / REASSEMBLE:

1. Prior to re-assembly, wipe a small amount of grease (such as a wheel bearing grease or any lithium-based grease) on the O-rings of the Adjustable Stop Assembly and the Air Stem Assembly.
2. Slide the air stem into the gun body from the rear of the gun.  
CAUTION: Avoid damaging the O-rings when re-assembling the air stem. The O-rings can rip on the threads or tear on the inside wall of the gun chamber.
3. Re-attach the Adjustable Stop by turning it clockwise until it is engaged. (Approximately 2 to 3 turns) and place the desired Material Orifice on the front of the gun and secure it with the Material Orifice Nut.

WARRANTY / PARTS INFORMATION: PLEASE SEE PAGE 8.



## TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Air blows continuously through the gun.	The WAL-PRO® Hopper Gun does not have an internal valve. It is normal for air to flow continuously.	Install the shut-off valve where the hose enters the gun to regulate and shut off the air. <b>CAUTION:</b> Do NOT use the shut-off valve with the Wallboard Porta-Compressor (P/N 83-025). Use the shut-off valve only with an air compressor with a reserve tank and an automatic shut-off switch.
Material will not properly atomize or shoot out of the gun.	<ol style="list-style-type: none"> <li>1. Material is not properly mixed or thinned.</li> <li>2. The compressor does not have enough CFM/PSI.</li> </ol>	<ol style="list-style-type: none"> <li>1. Thin all material per recommendations (See "Texture Table").</li> <li>2. Replace the compressor with one that delivers a greater available capacity and/or pressure. (The WAL-PRO® Hopper Gun requires 7CFM @ 25 PSI).</li> </ol>
The mud (liquid) separates from the Styrofoam while shooting ceiling acoustic.	<ol style="list-style-type: none"> <li>1. Incorrect product being used.</li> <li>2. Hopper neck is clogged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Insure that the material purchased is for use with hopper guns and mix the material per the manufacturer's instructions.</li> <li>2. While spraying continue to hold the trigger back and place your finger over the front of the material orifice. This will assist in unclogging the hopper neck and mixing the material.</li> </ol>
Material is being blown around after reaching the wall or ceiling.	<ol style="list-style-type: none"> <li>1. The air pressure is set too high</li> <li>2. You are too close to the surface being sprayed.</li> </ol>	<ol style="list-style-type: none"> <li>1. See the texture table for proper settings. If you are using a tank-type compressor regulate the air through the compressor.</li> <li>2. You should be 3 to 4 feet from walls. For ceilings, you should be 18" below with the hopper angled upward at 30 to 50 degrees.</li> </ol>
Excessive wear of material orifice.	<ol style="list-style-type: none"> <li>1. Use of very abrasive material.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use Stainless Steel Material Orifice (52-039) available as special order part.</li> </ol>

## RESOLUCIÓN DE PROBLEMAS

PROBLEMA	CAUSA	SOLUCIÓN
El aire pasa continuamente a través de la pistola.	La pistola WAL-PRO® Hopper Gun no tiene una válvula interna. Es normal que el aire fluya continuamente.	Instale la válvula de cierre de paso del aire donde la manguera entra en la pistola para regular y cerrar el paso del aire. <b>PRECAUCIÓN:</b> NO use la válvula de cierre de paso del aire con el compresor portátil Wallboard (N/P 83-025). Use la válvula de cierre de paso del aire únicamente con un compresor de aire equipado con tanque de reserva y un interruptor de cierre automático.
El material no se atomiza correctamente o no sale bien de la pistola.	<ol style="list-style-type: none"> <li>1. El material no está mezclado o diluido correctamente.</li> <li>2. El compresor no tiene suficiente capacidad (PCM/PSI).</li> </ol>	<ol style="list-style-type: none"> <li>1. Diluya el material según las recomendaciones (Véase la "Tabla de texturas").</li> <li>2. Sustituya el compresor por uno con suficiente capacidad de caudal y/o presión. (La pistola WAL-PRO® Hopper Gun necesita un caudal de 7 PCM a 25 PSI).</li> </ol>
El material (líquido) se separa de la espuma de estireno (Styrofoam) al aplicarlo sobre techos acústicos.	<ol style="list-style-type: none"> <li>1. Se está usando el producto erróneo.</li> <li>2. Está obstruido el cuello de la tolva</li> </ol>	<ol style="list-style-type: none"> <li>1. Verifique que el material comprado es para el uso con pistolas de tolva y mezcle el material de acuerdo con las instrucciones del fabricante.</li> <li>2. Mientras rocía continúe oprimiendo el gatillo y coloque un dedo sobre el frente de la boquilla de material. Esto ayudará a eliminar la obstrucción en el cuello de la tolva y mezclar el material.</li> </ol>
El material vuela en todas direcciones después de hacer contacto con la pared o el techo.	<ol style="list-style-type: none"> <li>1. La presión del aire es demasiado elevada.</li> <li>2. Usted está demasiado cerca a la superficie que está rociando.</li> </ol>	<ol style="list-style-type: none"> <li>1. Consulte la tabla de texturas para obtener los valores correctos. Si está usando un compresor con tanque, regule la presión por medio del compresor.</li> <li>2. Usted debe colocarse a 3 ó 4 pies de las paredes. Para techos, coloque la pistola a 18" de distancia e inclinada hacia arriba con un ángulo de 30 a grados.</li> </ol>
El uso excesivo de orificio material.	<ol style="list-style-type: none"> <li>1. El uso de la materia muy abrasiva.</li> </ol>	<ol style="list-style-type: none"> <li>1. Utilice Acero Inoxidable Orificio Material la pate como especial disponible de la orden.</li> </ol>