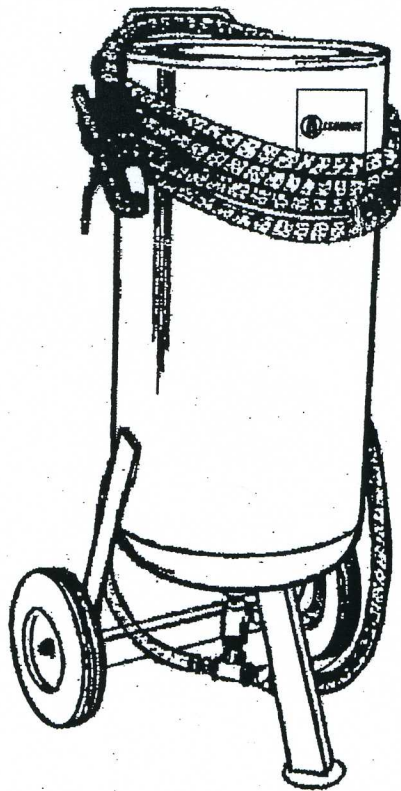


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**41600**  
**PRESSURE BLASTER**  
with Deadman Control System

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OPERATION GUIDE



5200 Richmond Road • Cleveland, OH 44146  
Phone 216-831-0550 • Toll Free 800-253-9726 •



### **WARNING!**

Do not use an ALLSOURCE Pressure Blaster until you have read this manual and you understand its contents and warnings. These warnings are included for the health and safety of the operator and those in the immediate vicinity. Keep this manual for future reference.

Dust created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemical known to cause cancer, birth defects of other reproductive harm and respiratory illnesses. Some examples of the chemicals include:

- Lead from lead based paints
- Crystalline silica from bricks, cement and other masonry products
- Arsenic and chromium from chemically-treated lumber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: Work in a ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

Abrasive blasting produces harmful dust. Everyone in the blasting area must wear a properly fitted and properly maintained NIOSH-approved supplied-air respirator.

### **SILICOSIS AND OTHER DUST WARNINGS:**

Breathing dust from silica sand may cause silicosis, a fatal lung disease. Breathing dust during blasting operations may also cause asbestosis and/or other serious or fatal diseases. A NIOSH-approved, well-maintained air-supplied abrasive blasting respirator must be used by anyone blasting, anyone handling or using media containing toxic substances or media with more than one percent free crystalline silica and anyone in the area of the dust. Harmful dust can remain suspended in the air for long periods of time after blasting has ceased, causing serious injury or death.

Before removing respirator, use an air monitoring instrument to determine if atmosphere is safe to breathe. Contact local OSHA or NIOSH office to determine the proper respirator for your particular application.

Supplied-Air respirators do not remove or protect against carbon monoxide (CO) or any other toxic gas. Use a carbon monoxide removal device and monitoring device with the respirator to ensure grade D quality air. Follow all applicable OSHA standards and OSHA regulation 1910.134(d).

### **SAVE THESE INSTRUCTIONS**

You will need these instructions for the safety instructions, the operating procedures, the parts list and the warranty. Put them in a safe and dry place for future reference.

### **IMPORTANT SAFETY INSTRUCTIONS**

**WARNING:** When using tools such as your air compressor, whether powered by electric motor or gasoline engine, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury.

You should review the safety instructions for your air compressor before beginning abrasive blasting with this tool.

## ASSEMBLY INSTRUCTIONS

**NOTE:** Refer to diagrams on pages 12 when assembling.

1. Attach wheel assemblies to wheel support as shown in inset #1(P.12). Do not tighten nut snugly against wheel hub, as some movement is required to allow free rolling of wheels. Tighten hex nut directly against wheel support housing to lock wheel assembly in place.
2. Abrasive regulator valve has been preassembled and attached to the bottom of the tank. Pipe dope has been used on all fittings for positive sealing. Apply pipe dope on the bottom of the plumbing. Connect hose assemblies as shown in illustration with enclosed hose stems and hose clamps.
3. Attach abrasive hose and air by-pass hose to tank base. Proceed with assembly of air intake, choke valve, and pressure gauge assembly as shown in diagram. Optional air filter assembly as shown in diagram should be attached during this step. Manufacturer recommends the use of pipe dope on all fittings for positive sealing. Several subassemblies have been completed at the factory for your convenience. Be certain all pipe fittings and hose clamps are tight before using blaster.

### **WARNING!**

Disconnecting hose while Unit is under pressure could cause serious injury or death. Use safety lock pins and safety cables in all coupling connections to help prevent hose couplings from accidental disconnection.

If twist-on type air hose couplings are used, they must be secured by safety lock pins or wires to prevent accidental disconnection while under pressure. Hose disconnection while under pressure could cause serious injury.

4. The Deadman Valve Assembly has been preassembled and attached to the abrasive hose. It allows single-handed operation with safety shut-off when operator's hand is removed or valve is dropped. (Do not over-tighten retainer nut against ceramic nozzle. Excessive tightening may cause damage to nozzle.) **IMPORTANT:** The sealing block/nut and bolt assembly must be adjusted after inserting ceramic nozzle.
5. Recheck all pipe fittings and hose clamps to ensure they are securely tightened.

## PRESSURE BLASTER SAFETY PROCEDURES

**CAUTION:** READ THESE SAFETY PROCEDURES IN THEIR ENTIRETY- PARTS OF THE OPERATING INSTRUCTIONS ARE WITHIN THESE WARNINGS.

These procedures are not intended to be exhaustive due to the many variables in the abrasive blasting field. Therefore, we INSIST that the hands, ears, mouth, nose and eyes be covered with appropriate safety protection at all times.

**ADDITIONAL WARNINGS!**  
**CAUTION MUST BE EXERCISED BY USER AT ALL TIMES**

1. Do not place fingers, any body parts or any components in the filler plug seal area when the blast machine is being pressurized. Failure to keep body parts from the filler plug area will result in serious injury.
2. Do not exceed maximum working pressure of 125 PSI. Failure to keep maximum working pressure below 125 PSI can cause the blast machine to burst, causing death or serious injury.
3. Everyone in the blast area including the equipment operator should correctly use and maintain a NIOSH-approved air-supplied respirator, even after blasting has ceased. Harmful dust can remain suspended in the air for long periods of time after blasting has ceased causing injury or death.
4. Before using the pressure blaster: Put on safety glasses, gloves, and NIOSH-approved respirator. Always wear these protective items when operating and while servicing your abrasive blaster. While a protective hood is provided to help protect you from flying particles as you use the machine, the hood does not provide protection from air borne particles. A well maintained air supplied blasting respirator must be used by anyone blasting.
5. Use thick gloves with gauntlets to protect your hands.
6. Use backboards to prevent overspray from hitting someone or something else because the dust will travel a long distance. Blast in a large open area to minimize abrasive accumulation in surrounding areas.
7. Do not pull media tank around by the abrasive hose or let tank fall over as a fitting may break rendering the machine unsafe. Media and air under 125 PSI have a very high destructive force. Never leave a pressurized machine unattended. If an emergency occurs, such as a burst blast hose, shutdown the machine immediately.

