

Central Pneumatic B008RL480W

20 Lb. Pressurized Abrasive Blaster User Manual

Model: B008RL480W

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your 20 Lb. Pressurized Abrasive Blaster. Please read this manual thoroughly before use and retain it for future reference.

SAFETY INFORMATION

General Safety Warnings

- Always wear appropriate personal protective equipment (PPE), including eye protection, respiratory protection, and gloves, when operating the abrasive blaster.
- Ensure the work area is well-ventilated to prevent accumulation of dust and abrasive particles.
- Never point the nozzle at yourself or others.
- Disconnect the air supply before performing any maintenance or adjustments.
- Do not exceed the maximum recommended working pressure.
- Use only dry, clean abrasive media. Moisture can cause clogging and reduce performance.
- Keep children and bystanders away from the operating area.
- Read and understand all instructions before operating the unit.

Air Compressor Safety

This device is air-powered. Ensure your air compressor is properly grounded and maintained according to its manufacturer's instructions. Always follow the safety guidelines provided with your air compressor.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 20 Lb. Pressurized Abrasive Blaster Unit
- PTFE tape
- Funnel
- Blasting hood
- Manual (this document)

- Auto closing nozzle



Figure 1: The 20 Lb. Pressurized Abrasive Blaster shown with its components, including the red tank, black hose, funnel, and blasting hood.

SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Assembly:**
 - Attach the hose to the blaster unit and the nozzle assembly. Use PTFE tape on all threaded connections to ensure an airtight seal.
 - Ensure all connections are tight before pressurizing the unit.
3. **Abrasive Media Loading:**
 - Ensure the unit is depressurized before loading media.
 - Use the provided funnel to carefully pour up to 20 lbs. of dry, clean abrasive media (e.g., silica, silicon carbide, aluminum oxide) into the tank.
 - Do not overfill.
4. **Air Supply Connection:**
 - Connect a 1/4 inch-18 NPT air hose from your air compressor to the blaster's air inlet.
 - Ensure your air compressor can provide the required air consumption: 6 CFM @ 60 PSI, 25 CFM @ 125 PSI.
 - A moisture separator is included and should be used to prevent moisture from entering the tank.

OPERATING INSTRUCTIONS

1. **Preparation:**
 - Wear all necessary PPE.
 - Prepare the surface to be blasted, ensuring it is clean and free of loose debris.
 - Ensure the work area is clear of obstructions and well-ventilated.
2. **Pressurizing the Unit:**
 - Close all valves on the blaster unit.
 - Slowly open the air supply valve from your compressor.

- Monitor the pressure gauge (if equipped) and ensure the working pressure is between 60-125 PSI. The safety valve will activate if pressure exceeds safe limits.

3. Blasting Operation:

- Point the nozzle at the target surface.
- Gradually open the abrasive media shut-off valve. There are four different shut-off valve locations for adjusting media flow.
- Begin blasting. Adjust air pressure and media flow as needed for optimal performance.
- Maintain a consistent distance and angle for even abrasive removal.

4. Shutting Down:

- Close the abrasive media shut-off valve.
- Close the air supply valve from your compressor.
- Slowly open the pressure relief valve to depressurize the tank.
- Once depressurized, disconnect the air supply.

MAINTENANCE

• After Each Use:

- Depressurize the unit completely.
- Empty any remaining abrasive media from the tank to prevent moisture absorption and clogging.
- Clean the nozzle and hose to remove any abrasive residue.

• Regular Maintenance:

- Inspect the hose for cracks, kinks, or wear. Replace if damaged.
- Check all connections for leaks. Tighten or re-tape as necessary.
- Periodically inspect the safety valve to ensure it is free from obstructions and functions correctly.
- Drain moisture from your air compressor's tank regularly.

• Storage:

- Store the abrasive blaster in a dry, clean environment, away from extreme temperatures.
- Ensure the tank is empty and depressurized before storage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No abrasive flow	Abrasive media is wet or clogged. Nozzle is blocked. Media shut-off valve is closed. Insufficient air pressure.	Use dry media; clear any clogs. Clean or replace nozzle. Open media shut-off valve. Increase air pressure from compressor.
Low blasting power	Low air pressure. Air leaks in connections. Worn nozzle.	Check compressor output; ensure adequate CFM. Check all connections for leaks; tighten or re-tape. Replace nozzle.

Problem	Possible Cause	Solution
Unit not holding pressure	Loose connections or leaks. Faulty valve. Safety valve activated.	Inspect all connections for leaks; tighten or re-tape. Inspect and replace faulty valves if necessary. Reduce input air pressure if safety valve is activating prematurely.

SPECIFICATIONS

Feature	Detail
Product Model	B008RL480W
Brand	Central Pneumatic
Abrasive Media Capacity	20 lb.
Air Consumption	6 CFM @ 60 PSI, 25 CFM @ 125 PSI
Working Pressure	60-125 PSI
Air Inlet Size	1/4 in-18 NPT
Hose Length	9 ft.
Product Height	24-1/4 in.
Product Length	19-1/4 in.
Product Width	14 in.
Shipping Weight	27.50 lb.
Material	Steel / Alloy Steel
Color	Red
UPC	792363689946

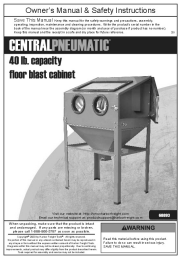


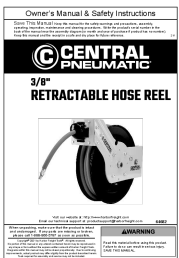
WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the manufacturer's official website or contact their customer service department. Protection plans may be available for extended coverage.

For additional support, you may visit the product page on Amazon:[Amazon Product Page](#)



Related Documents

	<p>Central Pneumatic 40 lb. Capacity Floor Blast Cabinet Owner's Manual & Safety Instructions</p> <p>Comprehensive owner's manual and safety guide for the Central Pneumatic 40 lb. capacity floor blast cabinet. Includes setup, operation, maintenance, troubleshooting, and warranty information.</p>
	<p>Central Pneumatic 18 Gauge Brad Nailer Replacement Parts</p> <p>Find replacement parts for the Central Pneumatic 18 Gauge 3/8 In. to 2 In. Brad Nailer (Item# 46309). Includes part number 29174 (SAFETY (NEW)) with diagram reference 56 and price \$1.98.</p>
	<p>Central Pneumatic 18 Gauge 2-in-1 Air Nailer / Stapler Owner's Manual & Safety Instructions</p> <p>Comprehensive guide to the Central Pneumatic 18 Gauge 2-in-1 Air Nailer / Stapler, covering safety precautions, setup, operation, maintenance, troubleshooting, and warranty information.</p>
	<p>Central Pneumatic 3/8" x 25 ft. Retractable Air Hose Reel Owner's Manual & Safety Instructions</p> <p>This owner's manual provides essential safety warnings, operating instructions, maintenance procedures, and warranty information for the Central Pneumatic 3/8" x 25 ft. Retractable Air Hose Reel (Model 64682).</p>