

VEVOR SBC220BF

VEVOR 90 Gallon Sandblasting Cabinet

MODEL: SBC220BF

Brand: VEVOR

1. Safety Information

Read and understand all safety warnings and instructions before operating this sandblasting cabinet. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, gloves, and a respirator, to protect against abrasive media and dust.
- **Ventilation:** Ensure adequate ventilation in the work area to prevent the accumulation of dust and fumes.
- **Air Pressure:** Do not exceed the recommended air pressure of 120 PSI. Always depressurize the system before performing maintenance or changing nozzles.
- **Abrasive Media:** Use only recommended abrasive media. Improper media can damage the cabinet or the workpiece.
- **Electrical Safety:** Ensure the power supply for the dust collector and LED lighting is properly grounded and meets local electrical codes.
- **Stability:** Ensure the cabinet is placed on a stable, level surface to prevent tipping.

2. Product Overview

The VEVOR 90 Gallon Sandblasting Cabinet (Model SBC220BF) is designed for efficient surface treatment and cleaning tasks. It features a large capacity, integrated dust collection, and bright internal lighting for

optimal visibility.

Key Features:

- **Efficient Surface Treatment:** 90-gallon capacity, holds up to 203.4 lbs of abrasive material. Includes a 1.6 HP dust collector and material recovery system. Operates efficiently with 5 CFM at 40-120 PSI.
- **Clear Vision, Optimal Efficiency:** Features a large acrylic window and bright LED lighting for high visibility. Includes 4 lens protection devices.
- **Durable Construction:** Made from high-strength cold-rolled steel with a powder-coated surface for enhanced corrosion and rust resistance.
- **Clean Workspace:** Pre-installed sealing strip, sealing material, and air filter effectively prevent dust leakage.
- **Versatile Application:** Comes with a high-quality sandblasting gun and 4 ceramic nozzles (4.5mm, 5mm, 6mm, 7mm) for various abrasive media like glass beads, silicon sand, and aluminum oxide. Ideal for polishing, cleaning, rust removal, paint removal, and oxidation layer removal.



The advertisement features the VEVOR logo at the top left, with the tagline "TOUGH TOOLS, HALF PRICE". The main title is "90 GALLON LARGE CAPACITY BLASTING CABINET" in large, bold, orange letters. Below the title, the text "Efficient surface treatment and cleaning tasks" is displayed. Three key specifications are highlighted with icons: "40-120 PSI Working Pressure" (gauge icon), "203.4 lbs Sand Loading Capacity" (stacked boxes icon), and "90 Gallon Cabinet Capacity" (square with L icon). The central image shows the orange blasting cabinet on a stand, with a large acrylic window and two circular viewing ports. To the left, two inset images show a metal part "Before" and "After" sandblasting, demonstrating the cleaning process.

Image: The VEVOR 90 Gallon Sandblasting Cabinet, showcasing its large capacity, working pressure, and sand loading capacity.

SPACIOUS OPERATIONAL AREA

Strong sealing to prevent leakage



Built-in Parts Tray
Keep small parts organized

Image: Interior of the sandblasting cabinet, highlighting the spacious operational area, integrated gloves, and a built-in parts tray for organizing small items.

4PCS CERAMIC NOZZLES

Meet different sandblasting precision requirements



4.5 mm



5 mm



6 mm



7 mm



Image: The high-quality sandblasting gun with four ceramic nozzles of different sizes (4.5mm, 5mm, 6mm, 7mm) for precise control and varied applications.

HEAVY DUTY COLD-ROLLED STEEL STRUCTURE

Rust and corrosion resistant, built to last



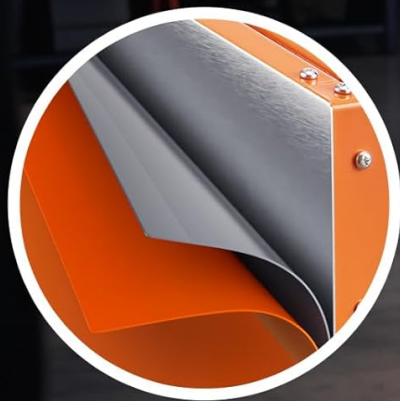
Anti Corrosion



Rust Resistant



Non Deformation



Powder Coated Finish
Enhance surface durability



Image: Illustration of the cabinet's heavy-duty cold-rolled steel structure, emphasizing its anti-corrosion, rust-resistant, and non-deformation qualities, along with a powder-coated finish.

EFFICIENT SURFACE TREATMENT

Precision finishing perfected on various materials

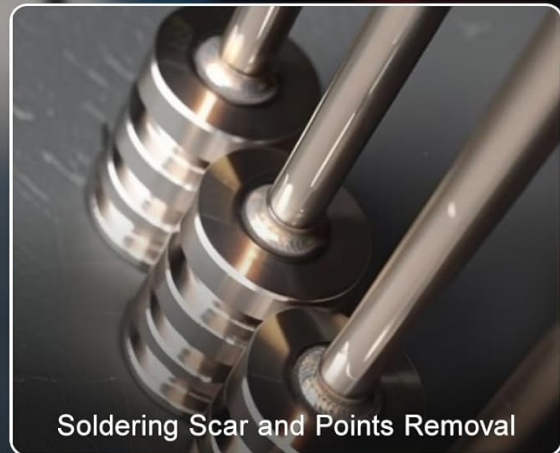
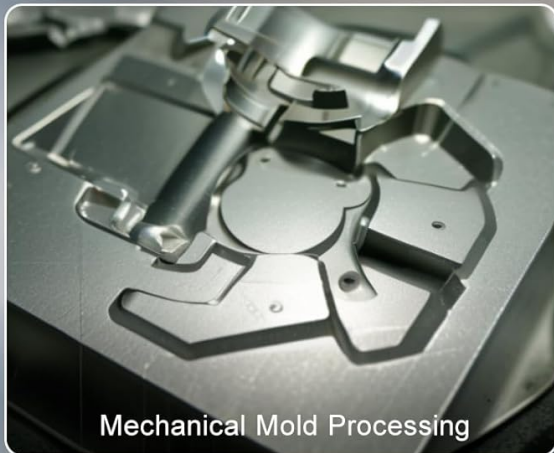


Image: Visual examples of the sandblasting cabinet's efficient surface treatment capabilities, including external paint surface removal, rust and oxidation layer removal, mechanical mold processing, and soldering scar and points removal.

Your browser does not support the video tag.

Video: A 360-degree view of the VEVOR sandblasting cabinet, demonstrating its overall design and features.

3. Setup

Careful assembly and proper setup are crucial for safe and efficient operation.

1. **Unpacking and Inspection:** Carefully unpack all components. Inspect for any damage during shipping.
2. **Assembly:** Assemble the cabinet according to the provided diagrams. While assembly is generally straightforward, some users have noted that the instructions can be vague. It is recommended to lay out all parts and refer to the diagrams carefully. Ensure all panels are properly aligned and secured.
3. **Sealing:** Apply the provided sealant to all panel joints and seams to prevent dust leakage during operation. This step is critical for maintaining a clean workspace and optimal performance.

4. **Connect Air Source:** Connect your air compressor to the cabinet's air inlet. Ensure your compressor can provide the required 40-120 PSI and at least 5 CFM for efficient operation.
5. **Install Sand Suction Hose and Sandblasting Gun:** Attach the sand suction hose and the sandblasting gun. Ensure all connections are secure.
6. **Load Abrasive Media:** Open the top lid and pour the desired abrasive media (e.g., glass beads, silicon sand, aluminum oxide) into the cabinet. The cabinet can hold up to 203.4 lbs of media.
7. **Install Lens Protectors:** Place the lens protection devices over the viewing window to prevent scratching and ensure clear visibility.

4. Operating Instructions

Follow these steps for safe and effective sandblasting:

1. **Prepare Workpiece:** Place the item to be sandblasted inside the cabinet.
2. **Close and Secure:** Close the cabinet lid and ensure it is securely latched.
3. **Activate Dust Collector and Lighting:** Turn on the dust collector and the internal LED lighting for clear visibility.
4. **Begin Sandblasting:** Insert your hands into the integrated gloves. Hold the sandblasting gun and direct the nozzle towards the workpiece. Press the trigger to begin blasting.
5. **Maintain Visibility:** The bright LED lighting helps maintain clear vision during operation. Replace lens protectors as needed if they become obscured.
6. **Adjust Nozzle:** Select the appropriate ceramic nozzle (4.5mm, 5mm, 6mm, or 7mm) based on the desired precision and abrasive media type.
7. **Monitor Air Pressure:** Ensure the air pressure remains within the recommended range of 40-120 PSI for consistent performance.
8. **Finish Operation:** Once blasting is complete, release the trigger, turn off the dust collector and lighting, and allow any remaining dust to settle before opening the cabinet.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your sandblasting cabinet.

- **Dust Collector:** Regularly empty the dust collector and clean its filter to maintain efficient dust removal and prevent reduced visibility.
- **Nozzle Replacement:** Inspect ceramic nozzles periodically for wear. Replace worn nozzles to ensure consistent blasting performance.
- **Sealing Inspection:** Check all seals and joints for wear or damage. Reapply sealant as necessary to prevent dust leakage.
- **Lens Protectors:** Replace the viewing window's lens protectors when they become scratched or opaque.

to maintain clear visibility.

- **Cabinet Cleaning:** Periodically clean the interior of the cabinet to remove accumulated dust and spent abrasive media.

6. Troubleshooting

Here are some common issues and their potential solutions:

- **Low Blasting Pressure:** Check air compressor settings, ensure sufficient CFM, inspect air lines for leaks, and verify the nozzle is not clogged or excessively worn.
- **Poor Visibility:** Ensure LED lighting is functional. Replace scratched or dirty lens protectors. Clean the dust collector filter.
- **Dust Leakage:** Re-check all panel seals and apply additional sealant where needed. Ensure the cabinet door is properly latched.
- **Abrasive Media Not Feeding:** Check the sand suction hose for blockages or if it has come loose from the bottom. Ensure the media is dry and free of clumps. Some users report the suction tube tending to float; ensure it is properly weighted or secured at the bottom.
- **Gloves Don't Fit:** If the provided gloves are not suitable, consider modifying the glove ports to accommodate personal protective gloves that fit correctly.
- **Bent or Deformed Panels:** If panels arrive bent, carefully straighten them with appropriate tools before assembly to ensure proper fit and sealing.
- **Inadequate Internal Lighting/Aspiration:** While the cabinet includes LED lighting and a dust collector, for very fine work or heavy dust generation, some users may find additional lighting or an external aspirator beneficial.

7. Specifications

| Specification | Value |
|---------------------------------|----------------------|
| Item Model Number | SBC220BF |
| Cabinet Capacity | 90 Gallon (340L) |
| Sand Loading Capacity (60 Grit) | 203.4 lbs / 92.24 kg |
| Working Pressure | 40-120 PSI |
| Main Material | Cold-Rolled Steel |

| | |
|---------------------|---|
| Net Weight | 111.9 lbs / 50.75 kg |
| Product Dimensions | 35.7 x 23.1 x 54.7 inches / 908 x 586 x 1390 mm |
| Power Type | AC |
| Included Components | Sandblasting Cabinet, Dust Collector, Sandblasting Gun, 4 Ceramic Nozzles, 4 Cabinet Inner Lens Protectors, Pair of Gloves, 50g Sealant, Mounting Hardware Set, User Manual |

8. Warranty and Support

For warranty information, technical support, or to purchase replacement parts, please refer to the official VEVOR website or contact VEVOR customer service directly. Keep your purchase receipt for warranty claims.