SBC90

Abrasive Blast Cabinet
Assembly & Operating Instructions

READ ALL INSTRUCTIONS AND WARNINGS BEFORE USING THIS PRODUCT.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

This manual provides important information on proper operation and maintenance. Every effort has been made to ensure the accuracy of this manual. We reserve the right to change this product at any time without prior notice.

STOP! DO NOT RETURN THIS PRODUCT TO THE RETAILER.

Questions? Problems? CONTACT CUSTOMER SERVICE.

If you experience a problem or need parts for this product, visit our website http://www.buffalotools.com or call our customer help line at 1-888-287-6981, Monday-Friday, 8 AM - 4 PM Central Time. A copy of the sales receipt is required.
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RECOGNIZE SAFETY SYMBOLS, WORDS AND LABELS

What You Need to Know About Safety Instructions

Warning and Important Safety Instructions appearing in this manual are not meant to cover all possible
conditions and situations that may occur. Common sense, caution and care must be exercised when
assembling or using this product.

Always contact your dealer, distributor, service agent or manufacturer about problems or conditions you
do not understand.

⚠️ WARNING  This is a safety alert symbol. It is used to alert you to potential personal injury hazards.
Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠️ CAUTION  This is a safety alert symbol. It is used to alert you to potential personal injury hazards.
Obey all safety messages that follow this symbol to avoid possible injury or death.
GENERAL PRODUCT SPECIFICATIONS

FEATURES:
• Abrasive Blast Cabinet
• 4 Assorted Ceramic Nozzle
• Rubber Gloves
• Blasting Gun With Trigger
• Dust Collector Port
• Hopper & Screen

SPECIFICATIONS
• Tank Volume 32 Lb Max Capacity
• Working Pressure 40-80 PSI
• Air Consumption 5 CFM

KEEP THIS MANUAL, SALES RECEIPT & APPLICABLE WARRANTY FOR FUTURE REFERENCE.

READ ALL INSTRUCTIONS AND WARNINGS BEFORE USING THIS PRODUCT.
When unpacking, check to make sure all parts listed are included. If any parts are missing or broken, please call Customer Service at 1-888-287-6981.

FOR CONSUMER USE ONLY – NOT FOR PROFESSIONAL USE
IMPORTANT SAFETY RULES

COMMON SENSE AND CAUTION ARE FACTORS WHICH CANNOT BE BUILT INTO ANY PRODUCT. THESE FACTORS MUST BE SUPPLIED BY THE OPERATOR.

**WARNING**

Keep your work area clean and well lit. Cluttered work benches and dark work areas may cause accidents or injury.

Do not operate the abrasive blaster in explosive areas, such as in the presence of flammable liquids, gases or dust. Tools create sparks which may ignite the dust or fumes.

Keep bystanders, children and visitors away while operating the abrasive blaster. Distractions can cause you to lose control.

**CAUTION**

Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.

Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.

**DANGER**

Always check to make sure that the power switch is turned off before connecting blaster to power source. Tool may cause damage to property or person if plugged in while power switch is on.

**WARNING**

All work areas should be clean and well lit. Accidents can occur in poorly lit and cluttered areas.

Keep children, and other distractions at a distance while operating the Blast Cabinet.

**WARNING**

Use common sense while operating this abrasive blast cabinet.

Do not use this tool if you are:

- Feeling tired or are under the influence of alcohol or drugs.
- Wearing loose clothing or jewelry. Keep long hair pulled back and away from moving parts.
- Overreaching or have improper footing. Handling the tool in this way could cause serious injury.
- When using this blast cabinet, always:
  - Wear the proper safety equipment, such as safety goggles, dust masks, non-skid shoes, etc.
  - Check that the power switch is in the “OFF” position before plugging the unit into an electrical outlet.

**CAUTION**

Use the correct tool for the job. Using the correct tool is safer and faster.

Keep out of reach of children, or any untrained person. Store tools in a safe and dry place.

Check to be sure all moving parts are free from binding and are properly aligned.

Use only accessories that are recommended by the manufacturer for your tool model.

**WARNING**

Safety glasses and ear protection must be worn during operation.
SERVICE

Tool service must be performed only by qualified repair personnel. Service or maintenance by unqualified personnel could result in a risk of injury.

When servicing a tool, use only identical replacement parts and follow instructions in the manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of shock or injury.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

This manual contains important information regarding safety, operation, maintenance and storage of this product. Before use, read carefully and understand all warnings, cautions, instructions and labels. Failure to do so could result in serious personal injury, property damage or even death.

IMPORTANT SAFETY INSTRUCTIONS

Before using this tool, you need to become familiar with its operation. If you are unsure about the operation of the tool, or have any questions about its proper use, call the Customer Service Department at 1-888-287-6981. Follow these instructions for safe handling of the tool:

• Close and latch the door before operating the Blast Cabinet.
• Check for damaged parts before use. Do not operate the Blast Cabinet if there are damaged parts.
• Maintain proper footing. Make sure you have secure footing and balance.
• Clean spills and sand abrasive in the work area.

SPECIFIC SAFETY RULES AND/OR SYMBOLS

SYMBOLS

The following symbols may be used on your tool. Be familiar with and learn the symbols to operate the tool safely.

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>Volts</td>
<td>Voltage (Potential)</td>
</tr>
<tr>
<td>A</td>
<td>Amperes</td>
<td>Current</td>
</tr>
<tr>
<td>Hz</td>
<td>Hertz</td>
<td>Frequency (Cycles per Second)</td>
</tr>
<tr>
<td>W</td>
<td>Watt</td>
<td>Power</td>
</tr>
<tr>
<td>Kg</td>
<td>Kilograms</td>
<td>Weight</td>
</tr>
<tr>
<td></td>
<td>Alternating Current</td>
<td>Type of Current</td>
</tr>
<tr>
<td></td>
<td>Direct Current</td>
<td>Type of Current</td>
</tr>
<tr>
<td></td>
<td>Alternating or Direct Current</td>
<td>Type of Current</td>
</tr>
<tr>
<td></td>
<td>Earthing Terminal</td>
<td>Grounding Terminal</td>
</tr>
<tr>
<td></td>
<td>Class II Construction</td>
<td>Denotes Double Insulation</td>
</tr>
<tr>
<td>min</td>
<td>Minutes</td>
<td>Time</td>
</tr>
<tr>
<td>s</td>
<td>Seconds</td>
<td>Time</td>
</tr>
<tr>
<td>ø</td>
<td>Diameter</td>
<td>Size of Drill Bits, Grinding Wheels, etc.</td>
</tr>
<tr>
<td>( n_0 )</td>
<td>No Load Speed</td>
<td>No-load Rotational Speed</td>
</tr>
<tr>
<td>.../min</td>
<td>Revolutions per Minute</td>
<td>Revolutions, Surface Speed, Strokes, etc. per Minute</td>
</tr>
<tr>
<td>1,2,3...</td>
<td>Ring Selector Settings</td>
<td>Speed, Torque or Position Settings</td>
</tr>
</tbody>
</table>
 PACKAGE CONTENTS
• Abrasive Blast Cabinet
• 4 Assorted Ceramic Nozzle
• Rubber Gloves
• Blasting Gun With Trigger
• Dust Collector Port
• Hopper & Screen

 COMPONENTS
 1. Blast Cabinet
 2. Glove Port
 3. Power Switch
 4. Window
 5. Window Lift Knob
 6. Lid Swivel Clamp

 ASSEMBLY

 **WARNING**
Be certain the Blast Cabinet is not connected to a power source before assembly. Plug the Blast Cabinet into a power source only when assembly is complete.

Refer to the Parts Diagram and Parts List to assist with assembly.
1. Peel the thin plastic overlay off of the glass lens.
2. Remove any protective backing that is found on the cabinet or on the door or other part.
3. Attach Air Hose to the Air Tube to the Blast Gun. Place the air hose inside the Cabinet with the long end facing to the back.
4. Attach the Air Hose to the connect Air Hose.

 OPERATION

 **CAUTION**
Always wear your hood, dust mask and heavy duty canvas gloves when operating the abrasive blaster.

 **WARNING**
Before operating your abrasive blaster, inspect each connection, double checking to make sure that all are tight and properly sealed.

 **WARNING**
THIS MACHINE IS NOT INTENDED FOR USE WITH SILICA BASED ABRASIVES. SILICA BASED ABRASIVES HAVE BEEN LINKED TO SEVERE RESPIRATORY DISEASE. ALWAYS USE SILICA SUBSTITUTES WHEN ABRASIVE BLASTING!

Open the Blast Cabinet Window and fill the cabinet with fine abrasive material. Use about 10 pounds.

The Sand will feed from the air tube. The air hose is attached to the base of the gun. Connect the air compressor. Set the compressor pressure regulator to 80 PSI. Do not exceed 80 PSI.

Open the cabinet window and place the work piece in the center. Close the window securely.

Insert your hands into the gloves. Be certain your fingers are properly positioned and you can move your hands easily and grip the work piece comfortably.
Point the nozzle and operate the gun to be certain that the blaster is working correctly. Make certain there is no leaks.

Hold the work piece, and position your fingers so that the glove is not in the way of the work piece. Reposition the work piece as needed in order to access the complete surface area.

Use a circular motion or side-to-side motion, and the nozzle should be 2 inches away from the work piece.

Once the work piece is completed, remove your hands from the gloves and turn the blaster and compressor off.

Dirt and water in the air supply are major causes of pneumatic tool wear. Use a filter/oiler for better performance and longer life of the tool. The filler must have adequate flow capacity of the specific application.

**MAINTENANCE**

> WARNING
>
> Keep your abrasive blaster clean, and protect it from damage.

Check for damaged parts before and after use. Replace any parts which appear worn. Call customer service for replacement parts if needed.

**PARTS DIAGRAM**
### PARTS LIST

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBC901</td>
<td>Grid</td>
</tr>
<tr>
<td>SBC902</td>
<td>Fluorescent Tube 12V</td>
</tr>
<tr>
<td>SBC903</td>
<td>End Connector</td>
</tr>
<tr>
<td>SBC904</td>
<td>Plastic Cover</td>
</tr>
<tr>
<td>SBC905</td>
<td>Input Cable Assembly</td>
</tr>
<tr>
<td>SBC906</td>
<td>Cable Gland Assembly</td>
</tr>
<tr>
<td>SBC907</td>
<td>Power Cable Assembly</td>
</tr>
<tr>
<td>SBC908</td>
<td>Main Filter</td>
</tr>
<tr>
<td>SBC909</td>
<td>Secondary Filter</td>
</tr>
<tr>
<td>SBC910</td>
<td>Retaining disc</td>
</tr>
<tr>
<td>SBC911</td>
<td>Rubber Gloves (pair)</td>
</tr>
<tr>
<td>SBC912</td>
<td>Worm Drive Clip</td>
</tr>
<tr>
<td>SBC913</td>
<td>Clear Plastic Lid</td>
</tr>
<tr>
<td>SBC914</td>
<td>Knob</td>
</tr>
<tr>
<td>SBC915</td>
<td>Lid Retaining Chain</td>
</tr>
<tr>
<td>SBC916</td>
<td>Replaceable Plastic Window</td>
</tr>
<tr>
<td>SBC917</td>
<td>Window Retaining Strip</td>
</tr>
<tr>
<td>SBC918</td>
<td>Lid Hinge</td>
</tr>
<tr>
<td>SBC919</td>
<td>Fluorescent Tube Clip</td>
</tr>
<tr>
<td>SBC920</td>
<td>Air Vent Foam Packing</td>
</tr>
<tr>
<td>SBC921</td>
<td>Lid Swivel Clamp</td>
</tr>
<tr>
<td>SBC922</td>
<td>Cable Transformer Box</td>
</tr>
<tr>
<td>SBC923</td>
<td>Cabinet Only (w/out lid)</td>
</tr>
<tr>
<td>SBC924</td>
<td>Nozzle adapter nut</td>
</tr>
<tr>
<td>SBC925</td>
<td>Abrasive Nozzle 4mm</td>
</tr>
<tr>
<td>SBC926</td>
<td>Abrasive Nozzle 5mm</td>
</tr>
<tr>
<td>SBC927</td>
<td>Abrasive Nozzle 6mm</td>
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<tr>
<td>SBC928</td>
<td>Abrasive Nozzle 7mm</td>
</tr>
<tr>
<td>SBC929</td>
<td>Abrasive gun</td>
</tr>
<tr>
<td>SBC930</td>
<td>Air Hose Adapter</td>
</tr>
<tr>
<td>SBC931</td>
<td>Worm Drive Clip Diameter 10</td>
</tr>
<tr>
<td>SBC932</td>
<td>Air Hose</td>
</tr>
<tr>
<td>SBC933</td>
<td>Flat Washer</td>
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<tr>
<td>SBC934</td>
<td>Air Adapter Nut</td>
</tr>
<tr>
<td>SBC935</td>
<td>Clamp</td>
</tr>
<tr>
<td>SBC936</td>
<td>Abrasive Intake Hose</td>
</tr>
<tr>
<td>SBC937</td>
<td>Metal Sand Tube</td>
</tr>
<tr>
<td>SBC938</td>
<td>Filter (on back of cabinet)</td>
</tr>
</tbody>
</table>

(SBC90201802)