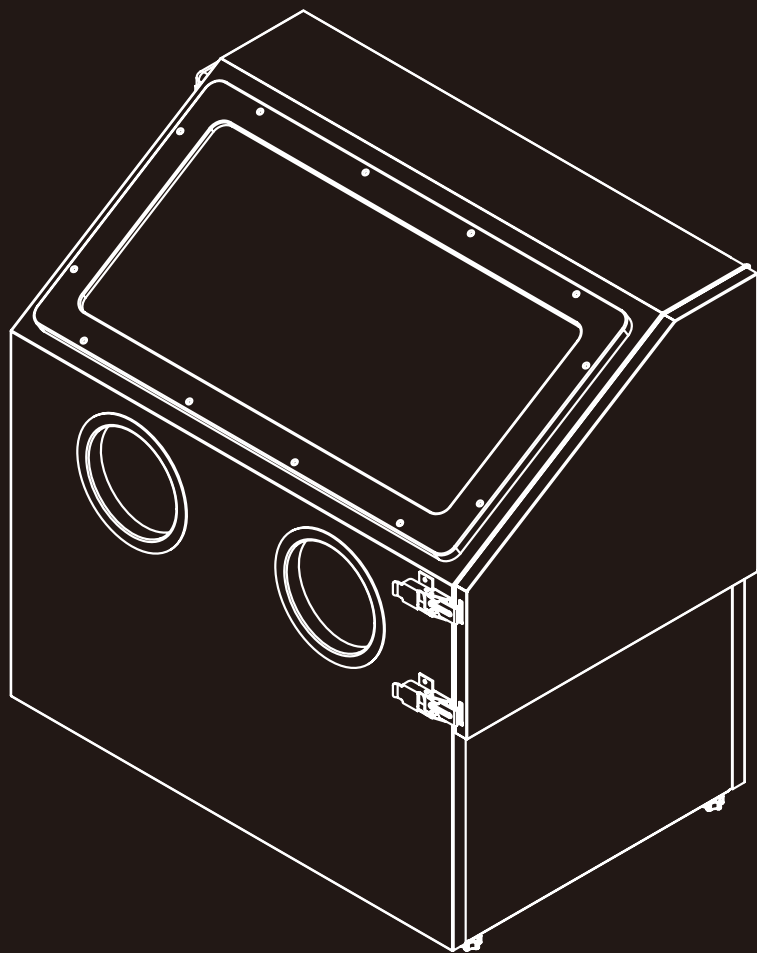




100L Sandblasting Cabinet

Instruction Manual



Manufactured and packaged for SRGS PTY LTD ABN 23 113 230 050
751 Gympie Road, Lawnton, Queensland 4501, Australia
MADE IN CHINA



100L Sandblasting Cabinet

Instruction Manual



PLU 394020

Please read and save these instructions. Read through this owner's manual carefully before using product. Protect yourself and others by observing all safety information, warnings, and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property. Please retain instructions for future reference.

Description

This sandblasting cabinet is designed for cleaning, polishing and finishing with dry abrasive ONLY.

Unpacking

After unpacking unit, inspect carefully for any damage that may have occurred during transit. Check for loose, missing, or damaged parts.

Specifications and Dimensions

Max. Work Pressure (PSI)	Air Inlet Size(inch)	Media Capacity (Liters)	Dimensions (cm)		
			Length	Width	Height
100	1/4	24	75.5	46	70

12V FLUORESCENT WORK LIGHT WITH 100-240V~50/60Hz input

12V 1000mA output

Recommend Vacuum Air flow: NOT more than 3 CBM / Hour

General Safety Information

This sandblasting cabinet will produce a powerful flow of abrasive particles. Please avoid personal injury and property damage. Study this manual thoroughly before assembling, operating or servicing this sandblasting cabinet.

⚠ WARNING

1. During operation, do not expose the hands or skin directly in the line of the sandblasting gun's nozzle.
2. Ensure all components seal properly after assembly.
3. Do not exceed the maximum operating pressure (100PSI) of the sandblasting cabinet.
4. Disconnect the cabinet from the air supply before changing accessories or attempting to install, service, relocate or perform any maintenance.
5. Do not cover the rear air inlet during operation.
6. Check hoses and air lines for weak or worn condition before each use. Make sure all the connections are secure before use.
7. Do not point the sandblasting gun at anyone or objects.



8. Check wear parts.(i.e. nozzles, orifices and gloves).
9. Check abrasives. Abrasives wear out and need to be replaced regularly.
10. Avoid moisture in the air lines and abrasive.
11. Check door seal for leaks regularly.
12. Do not use over 70 watt, 12 volt light bulb.

⚠ DANGER

The dust can be created when you sweep, blast, cut, sand, drill or grind materials such as wood, paint, metal, concrete, cement, or other masonry. This dust often contains chemicals known to cause cancer, birth defects, or other reproductive harm. Wear protective gear.



⚠ DANGER

Fire or Explosion Hazard! DO NOT USE a sandblasting cabinet around combustible or flammable liquids, dusts, gases, oily rags, or other materials that can explode or burn quickly. Some abrasives create sparks when they hit metal. Abrasives similar to aluminum oxide may generate static electric sparks which will cause fires or explosions in an unsafe environment.



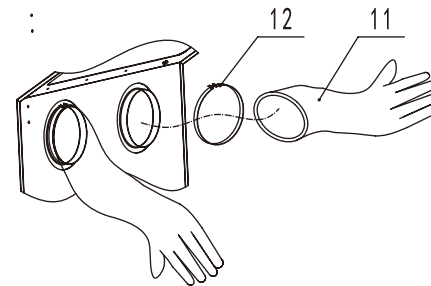
⚠ DANGER

Static electric shocks can be painful. Please wear leather or rubber soled shoes or boots and stand on the ground to avoid static electricity. A grounded wire attached to the sandblasting gun will safely remove the static electricity.

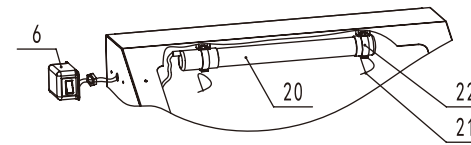
Assembly

This product has been pre-assembled by Manufacture. Follow assembly instruction when need maintenance or replacing parts.

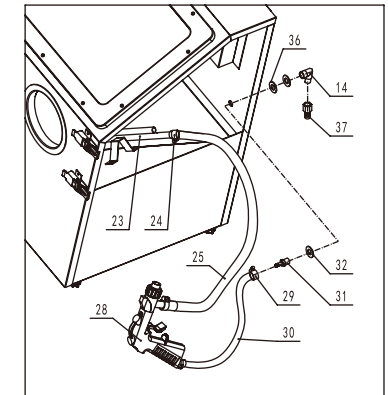
Step 1: Secure the glove (11) with glove clamp (12) onto the front panel as illustrated.



Step 2: Push the fluorescent light (20) forward into light clip (22). Make sure to lock both side with light clips.



Step 3: Press the other end of air hose (30) fully onto barbs of air hose connector (31). Place and securely tighten an air hose clamp (29) around section of hose covering barb.

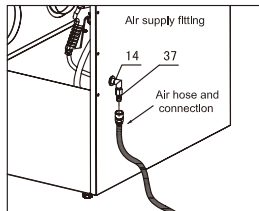


Step 4: Connecting siphon hose(25) onto sand suction tube(23) tightened by siphon hose clamp(24).

Operation

Please follow these instructions before supplying air to the cabinet.

1. Place cabinet on a workbench where you will be working and mount four adjustable foot pads (17) onto bottom of the cabinet.
2. Connect air supply (max. 100 psi) to the air fitting (37) on the back of the cabinet.



3. Check if there are any air leaks. If any, repairing or adding Teflon tape is needed.
4. Plug the 12V power supply into a 100V-240V wall outlet. Ensure the switch is in the OFF position, plug the other end of 12V power supply cord into the switch box (6) on the cabinet.
5. Check if the light works.
6. Stick a plastic film (4) to the inside surface of the glass (3).
7. Eye protection needs to be worn before filling abrasive media. Fill approximately 10 litres of abrasive media into the tank of cabinet. Don't cover the vent tube end of suction tube. Excessiveness will cause the ineffective performance.
8. Close cabinet door (19).
9. Protect your hands in gloves (11), aim sandblasting gun (28) at surface to be cleaned and pull trigger.
10. Move the blast stream continuously over the part in an even and circular motion.
11. It is recommended that you set up a vacuum dust collector (not included) to remove media dust while blasting. Attach the vacuum hose through the air outlet tube socket (9). When using a vacuum dust collector, clean the filter periodically to maintain good suction and effectiveness of the vacuum. Use the appropriate vacuum for the job.

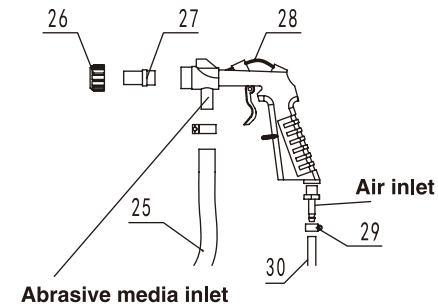
Maintenance

NOTE: Disconnect sandblasting cabinet from air supply and electrical outlet before performing maintenance.

Cleaning: please clean the sandblasting cabinet and parts with a soft cloth. DO NOT use solvents to clean. Clean inside of cabinet regularly.

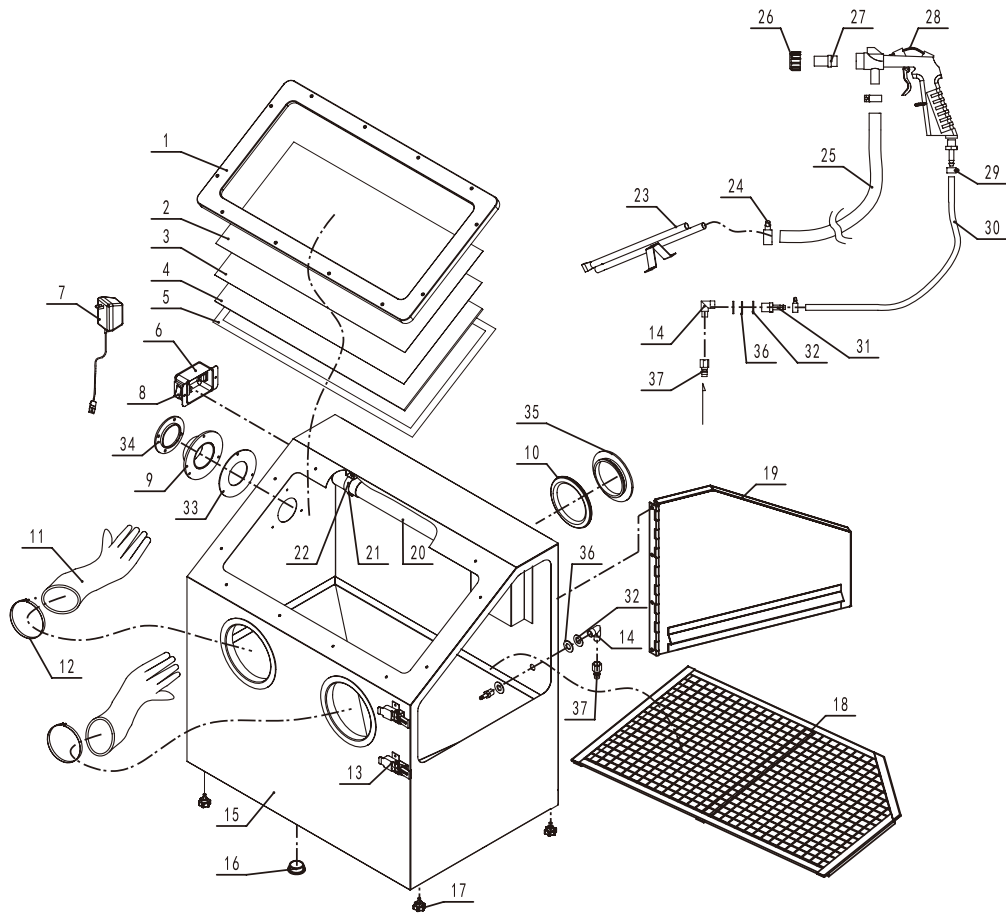
Avoiding Block: the moist media will cause the block of nozzle. Try dislodging the media with a drill bit.

Sandblasting Gun Connection: When a sandblasting gun (28) need replaced. Make sure not reverse the air inlet and media inlet. Connect inlet as below.



Troubleshooting Chart

Symptom (s)	Possible Causes(s)	Corrective Action(s)
Excessive dust in the cabinet	<ol style="list-style-type: none"> 1. Exhaust vent or air flow block 2. Air fittings and connections loosing. 3. Overload abrasive media inside of the cabinet. 	<ol style="list-style-type: none"> 1. Clean the vent and keep it away from any wall. 2. Tighten fittings and make sure all the connections are secure. 3. Remove the excessive media.
Improper speed or Inefficient blast	<ol style="list-style-type: none"> 1. Abrasive media worn. 2. Pressure too low 	<ol style="list-style-type: none"> 1. Replace media 2. Increase inlet pressure and make sure control valve is fully opened
Gun will not shut off Trigger stuck	Damaged o-rings in air valve	Remove and replace o-rings



Part No.	Description	Qty.
1	Window frame	1
2	Plastic top	2
3	Glass	1
4	Plastic film	5
5	Foam pad	1
6	Switch box	1
7	Switching adapter	1
8	switch	1

Part No.	Description	Qty.
9	Air outlet tube socket	1
10	Rear inlet retainer	1
11	Gloves	1 Pair
12	Glove clamp	2
13	Latch	1
14	Elbow coupler	1
15	Tank	1
16	Plastic plug	1
17	Adjustable foot pad	4
18	Grate	1
19	Cabinet door	1
20	Fluorescent light	1
21	Nylon cable tie	2
22	Light clips	2
23	Sand suction tube	1
24	Siphon hose clamp	2
25	Siphon hose	1
26	Nozzle nut	1
27	Ceramic nozzle	4
28	Sandblasting gun	1
29	Air hose clamp	2
30	Air hose	1
31	Air hose connector	2
32	Flat washer	2
33	Exhaust pipe gasket	1
34	Exhaust pipe cover	1
35	Back-inlet cover	1
36	Air inlet gasket	1
37	Air fitting	1