

The Soda Works

Environmentally Safe Coatings Removal & Surface Restoration Systems

Soda Blast Equipment & Media Sales

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1-800-267-8098

Operating Instructions



Buster Blaster 100 Mobile Soda Blast Unit Including Compressor, Compressed Air Cooling & Drying System

WARNING:

Always use and/or wear approved personal protective equipment (PPE) including hearing, respiratory, vision and body protection.

Carefully un-pack and inspect all components of your new Soda Works soda blast equipment. Report any damage to The Soda Works before operating your new equipment.

Parts list:

Sullivan-Palatek mobile air compressor. Capacity: 210 cfm @ 150 psi.

Buster Blaster 100 soda blast pot.

Twin air cooler unit.

Centrifugal moisture separator.

50' blast hose.

50' blast extension hose.

#3 (3/16") and #5 (5/16") SWAN nozzles.

Water adaptor line for nozzles.

12 volt electric trigger with 55' electric line.

55' blast extension hose electric line.

"Ball & Chain" trigger lock.

Soda pot fill funnel.

Use:

1 - Close drains on the air cooler and moisture separator.

2 - Close soda pot air fill valve and soda pot blow down valve.

3 - Connect 50' blast hose.

4 - Add desired amount of soda blast media to pot. **100% pure soda blast media only – nothing else!**

5 - Completely read compressor operating instructions found inside on instrument panel door of compressor.

6 - Start compressor following operating instructions.

- 7 - Supply air from compressor to system. **150 psi max.**
- 8 - Open drain valves of air cooler and moisture separator enough to expel any moisture. Leave these two drain valves slightly open during blast operations to expel any moisture in the system. Check for airflow from these two valves regularly during blasting operations.
- 9 - **Before opening air supply valve to soda blast pot**, operate the trigger to verify the rotor valve on at the bottom of the pot is operating properly. You can verify this by watching the outside stem of the actuator turning ¼ turn when you depress the trigger.
- 10 - Ensure blow down valve is closed and fill cap is on securely.
- 11 - Slowly open air supply valve to the blast pot.
- 12 - Operate trigger on blast hose. You should have blast pressure air and media.
- 13 - Adjust media flow with the black knob on top of the blast pot. Adjust in the following manor: **clockwise for less media, counter clockwise for more media.** First time use, the media flow adjustment knob may be completely closed. Therefore, you may have to back the knob off several revolutions to start media flow. Once media starts to flow, adjustments are usually only 1/8 to ¼ turn of the adjustment knob. Maximum flow rate of soda is approximately 1 lb. per minute using a #5 (5/16") nozzle.

Filling Pot During Soda Blast Operations:

To add soda blast media to the blast pot without shutting down air supply:

- 1 - Close air supply to blast pot.
- 2 - Slowly open blow down valve on side of blast pot to relieve air pressure.
- 3 - Remove fill cap and add soda blast media using fill funnel. **Soda blast media only – nothing else!**
- 4 - Check fill cap gasket for cleanliness and securely re-install fill cap.
- 5 - Close blown valve.
- 6 - Slowly open air supply to blast pot.
- 7 - Resume soda blast operations.

Shut Down:

- 1 - Close air supply to blast pot.
- 2 - Close or shutdown air supply from compressor. Follow air compressor shutdown procedures.
- 3 - Slowly open blow down valve on side of blast pot to relieve air pressure.
- 4 - Slowly open drains of air cooler and moisture separator. Leave completely open when not in use.

Technical Assistance:

Call your regional dealer/distributor or call the Soda Works at 1-800-267-8098