

## Technical Notes

### VSP-120

Alpha® has improved the popular VSP series wet polisher with new features to perform above and beyond your expectations! The new VSP-120 comes with a variable speed control switch with an automatic speed feed-back system to maintain consistent RPMs with or without a load. This switch has also expanded the usable RPM range from 500 RPM to 2,800 RPM. The new RPM range reduces heat build-up when polishing Engineered Stone, which eliminates burning or scorching the work piece. Alpha® has also added a Splash Guard that can be trimmed to adjust the height for the best comfort and protection. Every stone fabricator should try the new VSP-120 variable speed wet polisher to achieve the best performance and high quality results.

#### Sections:

- How to Use
- Frequently Asked Questions (FAQs)
- Helpful Hints
- Reference



Part No.	Description
VSP-120	Variable Speed Wet Polisher - 120V

Specifications:	Equipment Included:
Rating.....120 Volts Amperage.....7 A Power.....800W Speed (Variable).....500-2800 RPM Weight.....7.3lbs/3.3 kg Spindle.....5/8"-11	<ul style="list-style-type: none"> <li>• Ground Fault Circuit Interrupter</li> <li>• Water Valve and Hose</li> <li>• Faucet/Garden Hose Adapter</li> <li>• Wrench</li> <li>• C-Handle</li> <li>• Side Handle (reversible)</li> <li>• Extra Carbon Brush Set</li> <li>• Ventilation Cap</li> <li>• Splash Guard</li> <li>• Carrying Case</li> </ul>

### How to Use

1. Select the desired accessories for the application to be performed.
2. Attach the accessory onto the 5/8"-11 spindle of the polisher.
3. Connect water supply hose to a standard garden hose.
4. Plug unit into power supply and reset the GFCI.
5. Set the variable speed control knob to the desired RPM.
6. Open water control valve to the desired volume.
7. Depress start switch to begin your application.

Refer to the polishing tool's owner's manual for proper usage of this tool.

### Frequently Asked Questions (FAQs)

#### What applications is the Alpha® VSP-120 recommended for?

The Alpha® VSP-120 is recommended for wet polishing, wet core drilling, profiling and grinding.

#### What is the warranty for this VSP-120?

Alpha Professional Tools warrants the VSP-120 against defects in material and workmanship for a period of 180 days from the date of original retail purchase (proof of purchase required). Please complete the warranty registration card upon receipt and mail immediately for prompt warranty service. Our obligation assumed under this warranty is limited to the repair or replacement of parts without charge. The warranty does not apply to tool accessories. The warranty for repairs is 30 days on the parts and labor.

#### Does the VSP-120 have a maintenance program?

Alpha Professional Tools® does not offer any type of maintenance program. However, we do recommend periodic checking and/or replacement of the carbon brushes for extended service life. If you should hear or detect unusual noise during the operation of the VSP-120, we recommend that you send it in to our repair department for some preventative maintenance.

**What is the largest diameter accessory that the VSP-120 will accept?**

The VSP-120 will accept accessories up to 5". Do not attempt to use accessories larger than 5" for safety reasons. In addition, large accessories require more torque than the VSP-120 can provide. Operating the VSP-120 under these conditions will result in overheating failure.

**How can I get the parts list and schematic for the VSP-120?**

There are several ways to obtain information such as this from Alpha Professional Tools®. It is available on our web site [www.alpha-tools.com](http://www.alpha-tools.com) or by contacting our Tool Dept Help Desk at 800-648-7229.

The GFCI is tripping frequently. What I can I do?

If the GFCI is tripping frequently, there could be several problems.

1. Water is getting inside the polisher. Dry the tool with compressed air and try to prevent water from getting into the polisher.
2. The voltage drops due to sharing the same power source in a work area.
3. Too much force is applied to the tool. Back-off on the pressure.
4. The outlet may be loose. Make sure the power cord plug is tightly inserted in the power outlet.
5. Contact Alpha Professional Tools® tool repair for further advice.

**What is the RPM range of the VSP-120?**

This polisher is a variable speed polisher with an RPM range of 500 – 2,800.

**What shall I do if my VSP-120 breaks down and I need to complete the job immediately?**

Please contact Alpha® for information or send tool to your nearest repair center. For warranty repairs, please include a copy of the sales receipt. Visit our website for address information: <http://www.alpha-tools.com/Contact.aspx>

**If my VSP-120 breaks down, whom should I contact for repair?**

Contact the dealer where you purchased the tool or Alpha Professional Tools directly at 800-648-7229.

**Can I use the VSP-120 for drilling applications such as faucet holes?**

Yes. The VSP-120 can be used with Alpha® Core Bits to drill faucet mounting holes. We recommend that you use the provided C-Handle attachment and a template.

**How many gallons of water does the Alpha® VSP-120 use per minute?**

The VSP-120 has a throughput of 1.1 gallon per minute with the water valve fully open.

**What is the proper RPM for polishing Engineered Stone?**

Any RPM range on this polisher will work for polishing engineered stone. Using slower RPM together with the Alpha® Ceramica EX will provide the optimum polish on engineered stone material.

**Can I use my VSP-120 for dry polishing applications?**

No. The VSP-120 is designed for wet use only. Alpha® recommends using our AWP-158/214 for dry polishing applications.

**Can I use my VSP-120 as a wet cutting tool with a diamond blade?**

No. The VSP-120 only has a 2,800 no load RPM rating. This is not enough rpm for cutting applications with a diamond blade. It is unsafe to use the VSP-120 as a cutting tool. Do not attempt to cut with the VSP-120.

**What is the purpose of the Speed Feed-Back Switch within the Alpha® VSP-120?**

The purpose of the Speed Feed-Back Switch is to adjust and maintain the RPM with load on the machine.

**What is the purpose of the Splash Guard?**

The purpose of the splash guard is to reduce exposure of water and mist to the motor housing. The splash guard comes in one length so the operator can cut the height of it according to the accessory used for the application desired.

**Helpful Hints**

- If your VSP-120 does not start, check the carbon brushes for proper seating.
- If the VSP-120 does not re-start, check and reset the GFCI.
- Avoid dragging the VSP-120 on top of stone surfaces. The aluminum body may leave marks on the surface.
- The C-Shape handle attached to the polisher is highly recommended for more stability of the polisher during certain applications such as: surface polishing, core drilling and profiling.

**Reference**

For more product information, visit us on the web at [www.alpha-tools.com](http://www.alpha-tools.com).