

## Technical Notes

### VSP-110

Once again, Alpha® has set a new standard for the wet polishing application. As an option, our newest wet polisher comes with step-down gear set to reduce spindle RPMs. Together with the variable speed control switch, you can set any speed range between 1,600 RPMs to 2,800 RPMs. Unlike competitive products in the industry, there is no limit on the usage of slow RPMs. Alpha® researched the polishing application of engineered stone and realized the benefits of slower RPMs to avoid the risk of burning resin. Every engineered stone fabricator should try our new variable speed wet polisher to achieve the next level of quality and performance.

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Part No.	Description
VSP-110	Variable Speed Electric Polisher - 110V
VSP-220	Variable Speed Electric Polisher - 220V

### 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-110 recommended for?**

The Alpha® VSP-110 is recommended for wet polishing, wet core drilling, profiling and grinding.

**What is the warranty for this VSP-110?**

Alpha Professional Tools® warrants the VSP-110 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-110 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-110, we recommend that you send it in to our repair department for some preventative maintenance.

**What is the RPM of the VSP-110?**

This polisher is a variable speed polisher with an RPM range of 1,700 – 2,800.

**What shall I do if my VSP-110 breaks down and I need to complete the job immediately?**

This largely depends upon the time frame involved. The first step would be to check and replace the carbon brushes. Alpha Professional Tools® has two warranty service centers and can turn your tool repair around in a 3-5 day period. Please contact Alpha® for information or send tool to your nearest regional 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>

For additional information or alternative solutions, please contact our tool repair department.

**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 department for further advice.

**If my VSP-110 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 my VSP-110 as a wet cutting tool with a diamond blade?**

No. The VSP-110 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-110 as a cutting tool. Do not attempt to cut with the VSP-110.

**Can I use my VSP-110 for dry polishing applications?**

No. The VSP-110 is designed for wet use only. Alpha® recommends using our AWP-158/214 for dry polishing applications.

**How can I get the parts list and schematic for the VSP-110?**

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.

**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.

**What is the largest diameter accessory that the VSP-110 will accept?**

The VSP-110 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-110 can provide. Operating the VSP-110 under these conditions will result in overheating failure.

**Can I use the VSP-110 for drilling applications such as faucet holes?**

Yes. The VSP-110 can be used with Alpha® Core Bits to drill faucet mounting holes. We recommend using the provided C-Handle attachment and a template.

**How many gallons of water does the Alpha® VSP-110 use per minute?**

The Alpha® VSP-110 has a throughput of approximately 1.1 gallons per minute with the water valve fully open.

## Helpful Hints

- If the VSP-110 does not start, check the carbon brushes for proper seating.
- If the VSP-110 does not re-start, check and reset the GFCI.
- Avoid dragging the VSP-110 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).