

## Technical Notes

### AWP-158

The new generation of electric wet polishers, the AWP-158, is designed for polishing, shaping, core drilling and light grinding. This 7.8 amp, 800-watt, 3,000 RPM machine is a powerful workhorse suitable for use in the shop or on the job site. The AWP-158 features several improvements over previous generations of polishers. In addition to the increased power and spindle speed, there are two types of handles included: a side handle for edge profiling and polishing and a "C" handle for core drilling and flat surface polishing. There is a flat polishing caster designed to improve stability during scratch removal operations for a better final finish. The AWP-158 is double insulated and equipped with a power cord that is 10 feet long and has a built-in GFCI (Ground Fault Circuit Interrupter) for safety. Also for safety and abrasive longevity, the polisher has a center water-feed and water supply with convenient garden hose attachment. All these components are packed in a handy carrying case suitable for transporting and storing the AWP-158 and its accessories. Designed to perform polishing and several other operations, the AWP-158 is suitable for use with the Alpha® DS Style Shaping Wheel, the Alpha® Profiler and Alpha® Core Bits, as well as, the entire line of Ceramica polishing pads. This is a must-have tool for all fabricators/installers of granite, marble, engineered stone and porcelain slab and all tile contractors.

#### Sections:

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



Part No.	Description
AWP-158	Electric Polisher - 110V
AWP-214	Electric Polisher - 220V

### How to Use

1. Select the desired accessories for the polishing application you need.
2. Attach the accessories onto the 5/8"-11 spindle of the polisher.
3. Connect water supply hose to a standard garden hose.
4. Plug unit in (extension cords up to 30m (30M or 100 feet) in length can be utilized). When an extension cord is used the GFCI and plug should not be laying on the ground.
5. Open water control valve to the desired volume.
6. Depress start switch to begin your application. Excessive pressure is not needed and will only shorten the life of the tool.
7. To shut the AWP-158 off, simply depress the rear of the switch.
8. Shut off the water control valve.

### Frequently Asked Questions (FAQs)

#### What applications is the Alpha® AWP-158 recommended for?

The Alpha® AWP-158 is recommended for wet and dry polishing, wet core drilling, profiling and grinding.

#### What is the warranty for this AWP-158?

Alpha Professional Tools® warrants the AWP-158 against defects in material and workmanship for a period of 180 days from the date of original retail purchase (proof of purchase required for warranty repairs).

Be sure to include a copy of your original sales receipt. 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 that were repaired.

#### What is the RPM of the AWP-158?

The Alpha® AWP-158 has a no load RPM of 3,000.

**Does the AWP-158 have a maintenance program?**

Alpha Professional Tools® does not offer any type of maintenance program. However, we do recommend periodic replacement of the carbon brushes for extended service life. If you should hear or detect an unusual noise during the operation of the AWP-158, we recommend that you send it into our repair department for some preventative maintenance.

**What shall I do if my AWP-158 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 AWP-158 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 AWP-158 as a wet cutting tool with a diamond blade?**

No. The AWP-158 only has a 3,000 no load RPM rating. This is not enough RPM for cutting applications with a diamond blade. It is unsafe to use the AWP-158 as a cutting tool. Do not attempt to cut with the AWP-158.

**Can I use my AWP-158 for dry polishing applications?**

Yes. The AWP-158 can be used for dry polishing applications. Use only dry polishing abrasives such as PVA Quick Change, Sandpaper or other dry polishing pads that can be used under 4,000 RPM.

**How can I get the parts list and schematic for the AWP-158?**

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 largest diameter accessory that the AWP-158/AWP-214 will accept?**

The AWP-158 will accept accessories up to 5" Backer pads, etc . Do not attempt to use accessories larger than 5" for safety reasons. In addition, large accessories require more torque than the AWP-158 can provide. Operating the AWP-158 under these conditions will result in overheating failure.

**Can I use the AWP-158 for drilling applications such as faucet holes?**

Yes. The AWP-158 can be used with Alpha® Core Bits to drill faucet mounting holes. We recommend using the provided C-Handle attachment and a template. Allow the bit to do the work, excessive pressure will shorten the life of the tool.

**How many gallons of water does the Alpha® AWP-158 use per minute?**

The AWP-158/AWP-214 has a throughput of 1.5 gallons per minute with the water valve fully open.

**What is the spindle thread size of the Alpha AWP-158?**

The spindle thread size is 5/8"-11 for our 110V tools in the USA, and 14mm for our 220v tools sold outside the USA.

**What is the Flat Polishing Caster utilized for?**

The flat polishing caster is designed to stabilize the tool when performing applications such as surface touch up or flat surface polishing.

**Helpful Hints**

- Avoid dragging the AWP-158 on top of stone surfaces. The aluminum body may leave marks on the surface.
- If your AWP-158 does not start, check the carbon brushes for proper seating and fouling for the armature commutator. You can re-seat the carbon brushes and clean the commutator with a medium grade cleaning stone.
- If the AWP-158 does not re-start, check and reset the GFCI.
- 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).