

AWP-158/214 Electric Wet Polisher

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AWP-158/214 Electric Polisher is a state of the art polishing tool designed for most common production applications in the shop as well as on the job site. The **AWP-158/214** Electric Polisher allows you to shape and polish natural stone or glass with precision in the most demanding environments. For safety, the unit is double insulated and has an installed Ground Fault Circuit Interrupter (GFCI).

Specifications:

Working Power Supply.....Single-phase AC, 50/60Hz
Voltage.....110V (AWP-158) / 220V(AWP-214)
Amperage.....7.8A / 3.8A
Wattage.....800W
RPM.....3000 (NO LOAD)
Polishing Disc Size.....3", 4" or 5"
Spindle size.....5/8"-11 (AWP-158) / M14-2 (AWP-214)
Weight.....6 Lbs. (2.7 Kg)
Water Volume.....1.5 Gal per minute(Est.)

Standard Equipment:

Flat Polishing Caster
Side Handle
Carbon Brushes
GFCI
Rubber Guard
Wrench
Hose Fitting
C-Handle
Carrying Case

Recommended Accessories:

Alpha Twistouch Polishing System
Alpha Backer Pads w/ Alpha Ceramica Polishing System or Alpha Sandpaper
Alpha PVA-Quick Change
Alpha Core Bits

HOW TO USE

1. Select the desired accessories for the polishing application you need.
2. Attach Alpha Twistouch Adapter or Alpha Backer Pad to the spindle of the AWP-158/214 for velcro backed accessories.
3. Attach the polishing accessory to the adapter or backer pad.
4. Connect water supply hose to a standard garden hose.
5. Plug unit in - extension cords up to 30m in length can be utilized.
6. Open water control valve to the desired volume
7. Depress start switch to begin polishing.
8. Follow correct polishing procedures to ensure high quality results
9. To shut the AWP-158/214 off, simply depress the rear of the switch.
10. Shut off the water control valve.

COMMON QUESTIONS

If my AWP-158/214 breaks down, whom should I contact for repair?

You can contact the dealer where you purchased the tool from or you can send it to Alpha Professional Tools directly.

What is the warranty for this AWP-158/214?

Alpha Professional Tools warrants the AWP-158/214 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 that were repaired.

What shall I do if my AWP-158/214 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 the only warranty service center and can turn your tool repair around in a 3-5 day period pending upon repair authorization. Please contact our tool repair department for alternative solutions.

Does the AWP-158/214 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 unusual noise during the operation of the AWP-158/214, we recommend that you send it in to our repair department for some preventative maintenance.

How can I get the parts list and schematic for the AWP-158/214?

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 and through our fax on demand system at 1-888-29-ALPHA. You can also contact our customer service department or our tool repair department at 1-800-648-7229.

Can I use my AWP-158/214 for grinding applications?

Alpha Professional Tools does not recommend the use of the AWP-158/214 as a grinding tool. The weight of heavy grinding wheels is too abusive for the gears and bearings. Ultimately, excessive use as a grinding tool will cause gear or bearing failure. We do recommend the use of the Alpha DS style wheel for light intermittent grinding. Grinding wheels such as Alpha's DW style are better suited for high rpm grinding tools. Magnesite abrasive wheels are also too heavy for polishing tools such as the AWP-158/214.

Can I use my AWP158/214 as a wet cutting tool with a diamond blade?

Absolutely not. The AWP-158/214 only has a 3000 no load RPM rating. This is not enough rpm for cutting applications with a diamond blade. It is unsafe to use the AWP-158/214 as a cutting tool. Do not attempt to cut with the AWP158/214.

Can I use my AWP-158/214 for dry polishing applications?

Yes, the AWP-158/214 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 4000 RPM.

What is the largest diameter accessory that the AWP158/214 will accept?

The AWP-158/214 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 AWP-158/214 can provide. Operating the AWP-158/214 under these conditions will result in overheating failure due to operator abuse.

Can I use magnesite abrasive wheels on my AWP-158/214?

Magnesite wheels are too heavy for prolonged use on the AWP-158/214. The AWP-158/214 is designed for use with light weight polishing accessories such as velcro backed diamond discs, PVAQC or sandpaper. Do Not use Magnesite Bonded Wheels on your AWP-158/214.

Can I use the AWP158/214 for drilling applications such as faucet holes?

The AWP-158/214 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.

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.

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

HELPFUL HINTS

1. If your AWP-158/214 does not start, check the carbon brushes for proper seating.
2. If the AWP-158/214 does not re-start, check the GFCI.
3. If the problem persists, blow dry compressed air through the cooling vents. Dust from polishing accumulates in the motor casing and can cause the brushes to seize.
4. You can attach Alpha Diamond Core Bits (Series DCB) to make anchor holes for sinkholes or faucet holes. Please see tech note No 121 for more information on core bits.
5. Avoid dragging the AWP-158/214 on top of stone surfaces. The aluminum body may leave marks on the surface.
6. Take care to follow the recommend polishing practices for the best results.