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LAPIDARY ROCK GRINDER POLISHER

MODEL:VV-JH-6P

We continue to be committed to provide you tools with competitive price.

"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

VEVOR[®]

TOUGH TOOLS, HALF PRICE

LAPIDARY ROCK
GRINDER POLISHER

MODEL:VV-JH-6P







NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

✉ CustomerService@vevor.com

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

	Warning-To reduce the risk of injury, user must read instructions manual carefully.
	This symbol, placed before a safety comment, indicates a kind of precaution, warning, or danger. Ignoring this warning may lead to an accident. To reduce the risk of injury, fire, or electrocution, please always follow the recommendation shown below.
	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)This device may not cause harmful interference, and (2)this device must accept any interference received, including interference that may cause undesired operation.
	Warning- Be sure to wear gloves when using this product.



IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS FIRST

For your own safety, be sure to read, understand and follow all warnings, safety rules and instructions in this instruction manual and on the machine before use. Failure to do so can result in serious personal injury.

SETUP SAFETY

KNOW YOUR POWER TOOL.Read this instruction manual carefully.Learn the applications, limitations, specific warnings, and hazards related to this machine.

KEEP GUARDS IN PLACE AND SECURED.Never operate this machine without hoods. Make sure all guards are operating and properly secured before each use.

INTENDED FOR INDOOR USE ONLY.

AVOID DANGEROUS ENVIRONMENTS. Do not use this machine near gasoline or other flammable liquids.

MAKE SURE MACHINE IS SECURELY MOUNTED. Abide by the proper mounting instructions before connecting the tool into a power supply.

USE ONLY RECOMMENDED ACCESSORIES. The use of improper accessories on this machine may cause risk of injury.

CHECK FOR DAMAGED PARTS. Before use of this machine, always check for any damaged guards or parts to determine that it will operate properly and perform its intended function. Check for proper alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged must be properly replaced through the manufacturer of this machine to avoid risk of injury.

USE ONLY IDENTICAL PARTS FOR REPLACEMENT PARTS. Use of any other parts may create a hazard or cause product damage.

ELECTRICAL SAFETY

USE ONLY GROUNDED OUTLET OR GFCI OUTLET. All electrical cords must either be securely grounded, connected to a surge protected outlet, or preferably, connected to a GFCI (Ground Fault Circuit Interrupter) outlet. A GFCI is highly recommended to prevent electric shock. Do NOT use an extension cord.

DON'T ABUSE THE CORD. Never carry the machine by the cord or yank the machine and pull it straight out of the socket. Keep cord away from heat, oil and sharp edges.

USAGE SAFETY

NEVER DISCONNECT MOTOR,LAMP OR PUMP WITH WET HANDS.Though the motor is sealed, you must make sure to keep all electrical connections dry. Avoid touching the pump when connected to the power.

ALWAYS WEAR PROPER EYE PROTECTION.Enclosed are safety goggles to protect you from any debris that may fly out while grinding. We recommend wearing the enclosed goggles or safety glasses with side shields. Everyday eyeglasses are NOT safety glasses. If anyone is around the machine while it is in use, they must wear safety glasses.

WEAR PROPER APPAREL. Do not wear any loose clothing, gloves, neckties or jewelry that can get caught in the machine's moving parts. Long hair must be secured with a rubber band or hair tie.

KEEP WORK AREA WELL LIT,CLEAN,AND UNCLUTTERED.

ADULT SUPERVISION IS REQUIRED AT ALL TIMES. Never leave the machine running unattended.

DO NOT TOUCH MOTOR HOUSING.Avoid contact with the motor housing when in use. The motor is totally enclosed and non-ventilated so it produces high temperatures. The running temperature can reach around 220°F.

DO NOT OPERATE THIS MACHINE WHILE UNDER THE INFLUENCE OF DRUGS, ALCOHOL OR ANY MEDICATION.

NEVER RUN WHEELS DRY. Make sure there is adequate water used while grinding so that rock dust is not formed. The dust can contain chemicals that are harmful to the lungs and can cause cancer, birth defects or other reproductive damage.To reduce your exposure to these Chemicals,work in a well ventilated area and wear a dust mask if the grinding operation is dusty.

USE ONLY WATER AS COOLANT.

SOME ROCKS CONTAIN POISONOUS ELEMENTS.Avoid grinding rocks that

contain uranium,mercury,lead, arsenic, etc. Know the material you are grinding.
DO NOT FORCE THE TOOL or attachment to do a job it is not designed to do.

DIRECTION OF FEED. Be aware of the wheel rotation direction before use.

ALWAYS EASE THE WORKPIECE AGAINST THE RESIN WHEELS.A harsh impact can break the wheel. Use light pressure when starting to grind. Too much pressure can cause the wheel to crack.

NEVER GRIND MORE THAN ONE WORKPIECE AT A TIME.

NEVER START THE MACHINE IF A WHEEL IS IN CONTACT WITH A WORKPIECE.

WHEELS CONTINUE TO SPIN AFTER TURN OFF eventually slowing to a stop.

AVOID AWKWARD OPERATIONS AND HAND POSITIONS.Make sure you have good balance while working on this machine. A sudden slip could cause your hand to move into the wheel.

ALWAYS STAY ALERT. You must be focused while working on this machine. It is possible for stones to catch on the wheels and be ejected out of the grinding area.

MAINTENANCE SAFETY

ALWAYS DISCONNECT POWER BEFORE SERVICING.Disconnect machine, lamp and water pump from power before making adjustments and when not in use.

DO NOT OPEN MOTOR. No user serviceable parts inside.

CLEAN AND DRY MACHINE AFTER USE.

SPARE PARTS LIST

1	MOTOR	1
2	BASEBOARD	1
3	LED LAMP	1
4	DRIP PAN	2
5	HOOD	2
6	HAND REST	2
7	PAN SPLASH GUARD	2
8	DRIP PAN TUBING	4
9	WATER PUMP	1
10	FLANGE WRENCH	2
11	280# RESIN WHEEL	2
12	600# RESIN WHEEL	1
13	1200# RESIN WHEEL	1
14	3000# RESIN WHEEL	1
15	80# GRINDING WHEEL	1
16	220# GRINDING WHEEL	1
17	TRANSPARENT STORAGE BOX	1
18	8" SAW BLADE	1
19	GUARD SUPPORT	1
20	SPACER	1
21	WATERPIPE	1
22	TRIDENT ADAPTER	1



3. Please check the parts list to ensure that all parts appear on the machine and in the accessory box. If you find any missing or damaged parts, please call (+626) 275-4507 (for the United States) directly or send an email to service@vevor.com.



MACHINE USAGE

The machine comes with two electroplated diamond wheels, four resin diamond wheels, one full face diamond flat lap and one canvas polishing pad. The direct drive motor on eliminates belts and other exterior motor parts to maintain or replace. The unique water system and allows you to independently control the water spray on the wheels. Always use adequate water while in use to avoid running the wheels dry. If the wheels become covered with stone residue, increase the water flow. We recommend wearing the included apron to keep you from getting wet while you work.

Another advantage of our water system is that you can adjust the direction of spray on each wheel. This allows you to use wheels of different widths. This is achieved by locating the y-split under the hood. Adjust the two nozzles inserted into the Y-split by twisting to the left or right.

Use rocks, glass, synthetic materials and metaL to polish and polish various shapes and designs. The most popular use is to make cabinets.

Grinding starts with the electroplated diamond wheel on the left axle to complete the grinding process. The grinding process shapes your cabinet and eliminates any surface irregularities so that stones can be smooth and polished. Hold your stone free hand or on a pigeon stick. Start with 80 # electroplated diamond wheel. Grind the surface of the stone completely with enough water. If the stone is not completely ground, it will be scratched. Ensuring that all scratches are removed is the most important part of grinding debris. We recommend that you often dry your clothes with paper towels or clean rags to expose the remaining scratches during work. Repeat this process for 220 # electroplated diamond wheel.

The sequence of resin wheel starts from 280 # resin wheel, then continues to 600 #, 1200 #, and finally 3000 #. Thoroughly grind and smooth your stone on each wheel and move to the next wheel to finish. After you finish the resin wheel sequence, your cabinet will be ready for polishing. Adjust the lamp to provide additional light while working.

ASSEMBLY INSTRUCTIONS

1. Assemble and determine a suitable and well-lit place to place your studio. This machine weighs about 60 pounds, needs a solid table and surface, and has a transparent space of 3 feet wide and 2 feet deep. Place the machine on a stable workbench (such as marble flat table, iron table, etc.). It is not recommended to install it on a lightweight table, which will cause great vibration.
2. Open the box and remove all loose foam and accessories. Please put this package aside if you need it later. Lift the machine directly through the bottom plate, remove the unit from the box and place it in the predetermined position. Do not lift the machine with the hood or indicator light. We recommend two people to help carry out this step. As an option, you can keep the foam under the substrate as it will help support and vibrate. Please note that there is a rectangular rubber at the bottom of the base plate, so the machine will not sit completely flat.
3. To complete the left wheel assembly, you need to install the 80 # and 220 # grinding wheels contained in the accessory box. Use the provided flange wrench to remove the lap adapter on the left shaft and turn it clockwise. Remove the two 3/4 inch shims. Leave the 1-inch shim on the shaft. Slide the 220 # wheel onto the left axle, ribbed side, facing the motor. Then slide two more 3/4 inch shims. Finally, slide the 80 # wheel onto the left shaft with the rib side facing the motor, tighten the lap adapter, and use the flange wrench to turn it counterclockwise. After the left wheel is assembled, there should be two 3/4 inch intervals between 80 # and 220 # wheels, and one 1 inch interval between 220 # and 280 # wheels.
4. Place the transparent stone tray on the top of the left and right head covers. The stone tray is used to store your stones and workpieces. Insert your hand into the drip tray and slide the splash guard onto both sides of the drip tray. Adjust the position of the splash-proof device according to the splashing situation.
5. Optionally, connect the side panel to the hood. They have magnetic connections for easy installation. Install one side panel on the left engine hood and the other on the right engine hood, farthest from the engine. Just move the black side spray

pipe upwards to connect and remove the side panel. These side panels help control water splash, but without installing them, they provide easier access to diamond rings and canvas mats.

FINAL ASSEMBLY

6. Turn the water control knob on the left and right engine hoods to the closed position. Screw the two side valves on the side spray pipe to the closed position. When the black arrow on the side valve points to the left, they are in the closed position.

7. The GFCI safety adapter plug is built into the motor power line. It is strongly recommended to use the GFCI safety plug to prevent electric shock. Connect the motor power cord to a power outlet. Although the motor is sealed, you must ensure that all electrical connections are dry.

8. Connect the power cord of the lamp and the water pump to the power socket protected by the surge. The pump has no on/off switch, so it will start to work once you connect it to the power supply. Always unplug the water pump from the power supply Not in use. Avoid contacting the water pump in the bucket when starting. Do not unplug the plug or touch the power cord with wet hands.

9. Adjust the two transparent wheel splash protection devices on the engine hood so that the wheels will not contact them. Make sure that the wheels do not come into contact with any components Before opening the machine, the wheels must rotate freely. You can turn on the machine now. The wheels rotate at 1800 rpm. Typically, the motor makes a winding sound when starting and a slight buzzing sound when closing. In some cases, the motor may produce a high-pitched sound. This is probably caused by the space between the unit and the table surface. You can reduce the sound by placing a cloth under the device. When the machine is turned off, the wheels are stationary.

10. Turn the water control knob to the open position to start dripping. Don't open them all at once, or you will waste too much water. We recommend opening one at

a time when you work on that wheel. Our unique water system allows you to drip water on each wheel separately. You can adjust the water-saving knob according to your preference. When using, ensure that there is enough water to keep the wheel from drying. Never let the wheels dry. To use canvas pads or side spray of diamond discs.

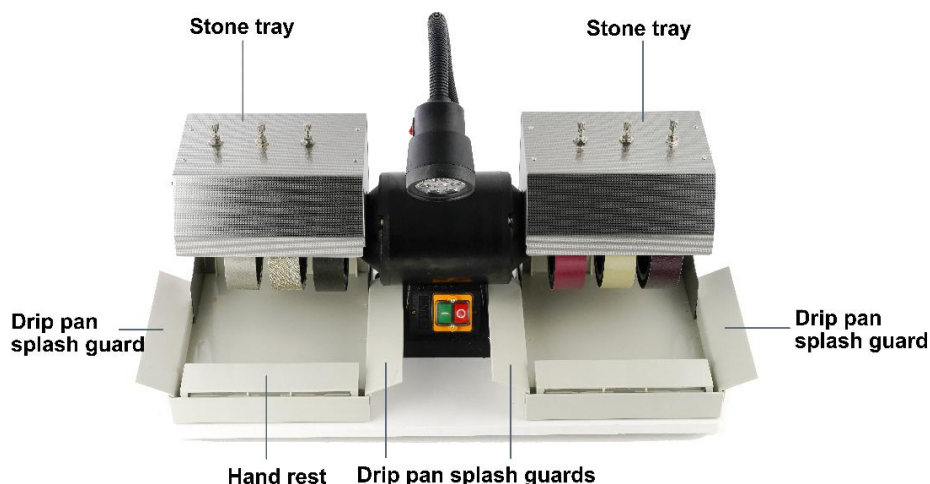
11. You are now ready to read the rest of this instruction manual, especially the safety instructions, before use to avoid the risk of injury.

MAINTENANCE

Designed as a maintenance-free unit. There are no belts, pulleys, gears or other parts to actively maintain. However, all parts should be cleaned manually.

Changing the wheels - The wheels included with are 6" diameter X 1.5" width with 1" arbor holes, only uses wheels with 1" arbor holes. Color of wheel hub may vary.

The wheels are attached onto two assemblies of three wheels each. Each separate assembly is spun onto the left and right side of the motor. The left and right wheel assemblies are shown in FIG. 1 below. BEFORE REMOVING EITHER WHEEL ASSEMBLY, TURN OFF MACHINE AND WAIT FOR THE WHEELS TO COAST TO A STAND STILL.





Install the Vientiane wheel

1. Take out the universal wheel, align the wheel with the screws on the base plate, and then tighten it. There are 6 universal wheels on the bottom.

2. Take out the universal wheel, align the wheel with the screws on the base plate, and then tighten it. There are 6 universal wheels on the bottom.

Install the polishing wheel



Fig. 1

First take out the metal polishing wheel (for example, Fig. 1)



Fig. 2

Insert the long aluminum tube into the shaft) Pay attention to the direction of the aluminum tube, and the grooved one will match the inner flange) (for example, Figure 2)



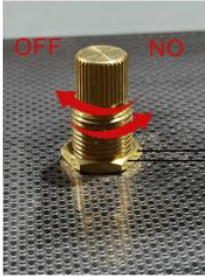
Fig. 3

Insert the long aluminum tube into the shaft) Pay attention to the direction of the aluminum tube, and the grooved one will match the inner flange) (for example, Figure 2)



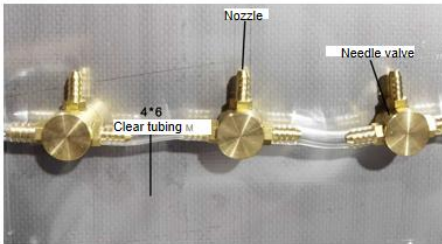
Fig. 4

Finally, put the water baffle in it.
(For example, Figure 5)



Before opening, position all screws in the closed state

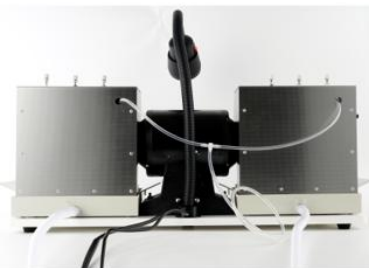
One of the key features to the is the single pass,contamination-free water system. The water system will remain trouble-free as long as you use a fresh.



By design, all water system parts can be easily disassembled by pulling off or unscrewing and cleaned with soapy water. For routine maintenance, keep the nozzles,T- split and tubing clean with a small wire brush or the included pipe cleaner.



We recommend using a minimum 5 gallon bucket for both the water pump and drainage. You will typically go through an average of 1-2 gallons of water per hour, with the water control knobs on a light to medium drip. Monitor the water level in the bucket to make sure the water pump is always submerged in water. THE WATER PUMP SHOULD NOT BE RUN DRY.UNPLUG WATER PUMP FROM POWER SOURCE WHEN NOT IN USE.



Please use a separate intake bucket from the drainage bucket. A fresh supply of water will protect you from cross-contamination of grit which can occur in re-circulating systems that use bubbler or geyser.

Connect the clear drip pan tubing to the rear spout of the drip pans (FIG. C). Secure the connection by positioning the spring clasp so it covers the spouts. Tug on the tubes lightly to make sure they are secured.



Place the unconnected ends of the drip pan tubes into a large, five gallon empty bucket (not included, FIG. D), drain hole, or wherever you would like the dirty water from the pans to drain out. It is important that you have the drip pan tubes pointing downward from the machine. This will allow gravity to drain the water from the drip pans. If you notice the pans filling up with water, most likely the drain tubes are not sufficiently angled downward. Tilt the drip pans up and shake the tubing to drain. Once you have this properly setup, you can cut the tubing so there is no excess slack. This will further help to drain the pans.



MAKE SURE WATER PUMP IS NOT CONNECTED TO POWER SUPPLY. Remove the protective backing from the T-junction (found behind the motor) and place the sticky, adhesive side to the baseboard behind the motor, on either side of the lamp (FIG. E). Insert the clear tube from the T-Junction into the water pump (FIG. F). Lightly tug on the tubes to make sure they are secured. Place the water pump in a separate, large five gallon bucket (not included) filled fully with clean water. The length from the bucket to the unit should not be more than 6 feet.



Item name: VV-JH-6P

Model Number: Lapidary diamond polishing wheel

shape: 1A1 parallel wheel

Bond: Resin bond

Abrasive: Diamond

Body: Rubber plastic

Grit: 60#/140#/280#/600#/1200#/3000#/5000#/8000#/14000#/50000#

Usage: It is mainly used for special-shaped processing of hard and brittle materials such as gems, crystals, glass, artificial crystals, ceramics, etc., and carries out grinding and polishing from coarse-grained to fine-grained grinding wheels.

Application areas:

1. It can be used to polish precious ornaments such as gems and jade, which will not change the current status of gemstone jade surface during grinding;
2. Can be used for surface polishing of various artificial crystals, glass crafts, etc.;
3. It can be used for surface grinding of small crafts such as ceramic crafts, metal pendants, wood products, etc.;
4. Can be used for grinding and polishing of glass lenses;
5. Can be used for bracelet processing;
6. Can be used for metal materials processing.

Compared with ordinary abrasive flexible wheels:

1. High grinding efficiency and long service life;
2. High processing accuracy and small surface roughness of the workpiece;
3. Suitable for processing hard and brittle materials;
4. Less dust and less environmental pollution.

Main Features:

1. Has excellent flexibility and excellent cutting ability;
2. Can make the surface of the workpiece reach excellent finish and brightness;
3. There are special grinding and polishing equipment, easy to use, simple and safe operation;

About Installation

In order to avoid vibrations, customers can install the product on a marble table or an iron table for use. Wooden table is not recommended.

	items	Description
1	Name	Lapidary Rock Grinder Polisher
2	Model	VV-JH-6P
3	Parameter	Rating: 120VAC, 60Hz, 180W, 1620RPM, Wheel size: 6"
4	Package Size	735x430x360mm
5	G.W.	28.25KG

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