

VEVOR[®]

TOUGH TOOLS, HALF PRICE

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ULTRASONIC CLEANERS

USER MANUAL

**MODEL NO.: MH-009G, MH-010G, MH-020G, MH-030G, MH-031G, MH-040G,
MH-060G, MH-080G, MH-100G**

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.

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NEED HELP? CONTACT US!

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

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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:**

Please read this manual carefully before using the product. Failure to do so may result in serious injury.

SAFETY PRECAUTIONS

When using electrical appliances, basic safety precautions should always be followed including the following:

Read all instructions carefully.

Keep it away from children!

This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be done by children without supervision.

To avoid electrical shock:

- 1) DO NOT run the cleaner continuously for more than one hour at a time, as doing so can damage the internal components.
- 2) DO NOT operate the unit without fluid in the tank. Always ensure the fluid is no higher than the max mark, always ensure there is a minimum depth of 7cm.
- 3) DO NOT drop any item into the tank as this may cause damage to the transducer. Always place the items gently into the tank and use the basket whenever possible.
- 4) The more items that you place in your cleaning bath the less efficient it will clean. It is not advised to overlap items. Always allow plenty of clear space between the items.
- 5) Do keep the lid on during use. This will prevent splashes and reduce evaporation of the fluid.
- 6) Never immerse the machine or power cord in water or other liquid.
- 7) DO NOT touch the power plug with wet hands, especially when inserting or removing the plug.
- 8) DO NOT touch the unit if the machine has fallen into water during

operation. Remove the power plug from the socket first.

9) DO NOT disassemble the machine, except by professionals.

10) UNPLUG the power source while filling or emptying the tank.

11) DO NOT spray water or liquid over the device and the control panel.

12) DO NOT operate the cleaner without proper grounding.

13) DO NOT place the device on a soft surface, where the vents could be blocked.

14) Upon completion of the cleaning cycle, turn the heater knob off and isolate the machine from the power source.

15) Take care when adding or removing items from the cleaning tank as the fluid is likely to be hot and displaced fluid can damage the internal components. Any displaced fluid must be dried up immediately.

16) In the event of a malfunction/emergency, disconnect the power supply by removing the power plug from the electrical outlet.

17) When heating is required, the water level should not be less than 2/3 full

18) If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.

19) The connector must be removed before the appliance is cleaned and the appliance inlet must be dried before the appliance is used again.

20) 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.

SAVE THESE INSTRUCTIONS

USE PRECAUTIONS

TO PREVENT SERIOUS INJURY AND DEATH FROM TIPPING:

1. DO NOT SIT OR STAND ON THIS ITEM.

2. When the machine is used several times continuously, in order to avoid the damage and failure of the parts caused by overheating, the machine will enter into a system of self-protection, it can be resumed after about 5

- minutes.
3. Do not get water directly from the tap- Flooding of the device and power switches will lead to malfunction.
 4. Do not add anti-toxic , sterilizing or acidic solvents into the cleaning water.
 - May cause deterioration of resin and damage of stainless steel.
 5. Do not clean pearls and other low surface hardness articles Morse hardness of less than 8).
 - Can cause damage discoloration or loss of luster.
 6. Do not wash rings , necklaces with gems and diamonds for long periods of time.
 - May cause gems / diamonds to fall off
 7. DO NOT use the same socket as TV , radio and computer.
 - Can affect the picture clarity or cause noise.
 8. Prevent the device from falling and a violent shaking- This can cause breakage deformation, and malfunction.

Items Not Suitable For Ultrasonic Cleaning

Soft Jewelry: Pearls, emerald, ivory, coral.

Agate, sea turtle shells, etc. Welded, Plated and Glued Items: Welded or plated metal items, glued items.

Watches: Except diver's watches with depth rating over 50m(150ft).

Others: Ceramic, camera filters with preexisting cracks.

TECHNICAL SPECIFICATIONS

Digital Ultrasonic Cleaner

Model	MH-009G	MH-010G	MH-020G
Tank Dimensions (L*W*H)(mm)	150*135*70	150*140*100	240*135*100
Product Dimensions (L*W*H)(mm)	180*165*205	177*163*210	264*162*229
Packing Size (L*W*H) (mm)	223*207*235	220*210*263	310*215*285
Net Weight (kg)	2.2	2.2	2.95

Gross Weight (kg)	2.5	2.55	3.4
Capacity (L)	1.3	2	3
Ultrasonic Frequency(kHz)	28/40		
Ultrasonic power (W)	60	60	120
Heating power (W)	100	100	100
Set time (min)	0-30		
Set temperature (°C)	0-80		

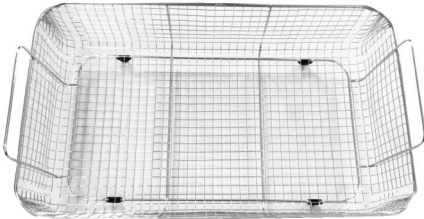
Model	MH-030G	MH-031G	MH-040G
Tank Dimensions (L*W*H)(mm)	300*150*100	300*150*150	300*235*150
Product Dimensions (L*W*H)(mm)	325*175*230	325*175*275	330*270*275
Packing Size (L*W*H) (mm)	395*225*280	395*230*328	400*307*330
Net Weight (kg)	3.8	4.4	6.3
Gross Weight (kg)	4.4	5.2	7.2
Capacity (L)	4	6	10
Ultrasonic Frequency(kHz)	28/40		
Ultrasonic power (W)	180	180	240
Heating power (W)	100	300	300
Set time (min)	0-30		
Set temperature (°C)	0-80		

Model	MH-060G	MH-080G	MH-100G
Tank Dimensions (L*W*H)(mm)	330*300*150	500*300*150	500*300*200
Product Dimensions (L*W*H)(mm)	355*325*275	530*330*275	530*330*330
Packing Size (L*W*H) (mm)	430*385*330	635*410*345	635*410*395

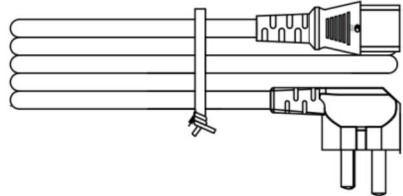
Net Weight (kg)	7.55	10.7	12.4
Gross Weight (kg)	8.55	12.05	13.8
Capacity (L)	15	22	30
Ultrasonic Frequency(kHz)	28/40		
Ultrasonic power (W)	360	480	600
Heating power (W)	400	500	500
Set time (min)	0-30		
Set temperature (°C)	0-80		

*Products such as specifications, appearance, and design are subject to modification without prior notice.

PACKAGE CONTENTS

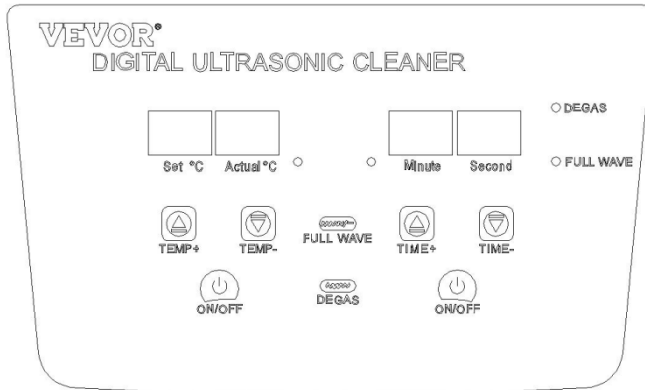
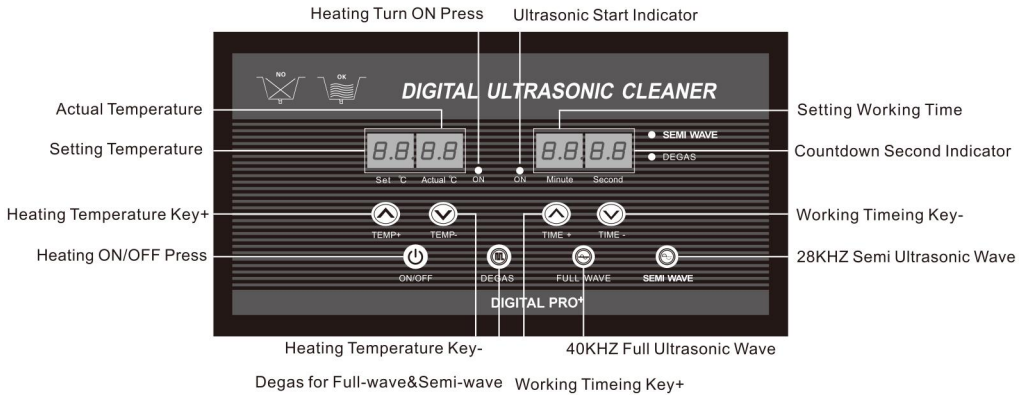


Small cleaning basket



Power cord
(The plug is for reference only, subject to the material object.)

PRODUCT FUNCTIONS



Features

- Ultrasonic frequency of 40 kHz.
- Digital display of temperature and time.
- Adjustable temperature from 20-80°C.
- Cleaning time with individually adjustable from 1-30min.
- All devices have a useful basket for cleaning parts.
- 6 liter and above size with 1/2" drainage.
- Material tank and casing: Stainless steel.

OPERATIONS

- 1: Please inject the water or water solution into the cleaning tank by the proportion, the minimum water level must not be less than 70mm, and the maximum should not exceed the tank volume of 3/4. (The drain valve should be closed when water is injected into the tank to avoid overflow)
- 2: We should put the items into the cleaning rack, and then put the cleaning rack into the cleaning tank, absolutely can not put the items directly into the bottom of the cleaning tank, so as not to affect the cleaning effect and damage the equipment
- 3: Connect the ultrasonic cleaner to the three-pin power socket (grounding must be used for power supply)
- 4: Turn on the power, the power switch lies in the bottom right of the machine back, press ON, the machine is powered on; the digital controller shows the numbers and the buzzer has a sound, and shows the power is ok.
- 5: Working Time Setting: On the right side of the digital control shows "Time setting" by fault. The TIME+ key is pressed once. The display increases by one minute. Each press of the time TIME- key once reduces one minute. The long press can continue to add/subtract. After the value and the working time are set, tap "ON/OFF" once, the working indicator light turns on, and the ultrasonic wave starts to work. The time countdown starts until the "00 00" ultrasonic LED indicator is off and it automatically stops working. The working time of the machine ranges from 1 to 30 minutes. If you need to terminate the cleaning in advance, you need to press the "ON/OFF" button once and their commended working time is 15-20 minutes.
- 6: Temperature setting: On the left of the digital controller shows the default and actual temperature. Press the temperature TEMP+ button once, the temperature is increased by 1°C, and each time the temperature TEMP- button is pressed, decreases by 1°C. Press "ON/OFF" lightly, the digital heater light is on, and the temperature LED lights up in the heating situation! Until the temperature reaches the set value, the heating is stopped and the heating LED is automatically turned off. The temperature range is 0 to 60°C. Press and hold the button for a long time

to increase/decrease the value of the temperature. The temperature setting is based on the product setting and the recommended setting is between 30°C and 50°C. Temperature display value, as long as the power is turned on to display the actual temperature (whether the ultrasonic wave is turned on or the digital heater is turned on will display the actual temperature)

7: 3 CLEANING MODEL: Full wave cleaning style: 40KHZ ultrasonic wave to clean stuff with the complex-shaped surface, and blind holes; Semi wave cleaning Style :28KHZ for small or simple items, Create millions of microscopic bubbles that powerfully remove stains on the surface. Degas: Upgrade with degassing & cavitation function. Help to reduce residuary bubbles, increase the loss of ultrasonic transmission, and lower the blast strength of cavitation during the cleaning process. Thus, it can remove ultrasonic fatigue to improve cleaning effect.

8: After cleaning, press the power "on / off, the machine stops working, then disconnect the power of the whole machine, take the rack from the cleaning tank, drain the cleaning liquid, clean the tank body and the periphery with a clean rag. Hot air drying and storage.

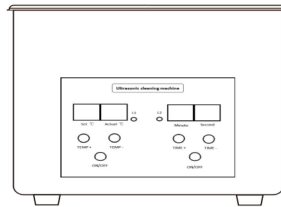
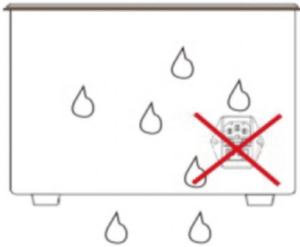
ITEMS TYPE

Industry	Cleaning workpieces and materials	Removed dirt
Semiconductor	Integrated circuits, power transistors, silicon wafers, gallium arsenide, diodes, lead frames, capillaries, trays, etc	Dust, etching oil, stamping oil, polishing wax, dust particles.
Electronics and Electrical	Electron tube parts, cathode ray tubes, printed circuit boards, quartz parts, electronic components, telephone interactive equipment, speaker parts, power meters, motors/rollers/ fixed plates on the water pump liquid crystal glass, core iron parts, computer floppy	Fingerprint, powder, cutting oil, stamping oil, iron filings, polishing material, walnut powder, polishing wax, paste, resin, dust, etc.

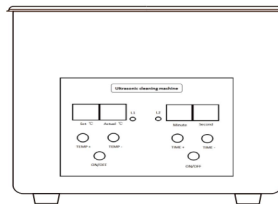
	disks, video tapes Parts, hoop components, magnetic heads, photo touch masks,etc.	
Precision Machine	Bearings, sewing machine parts, typewriters.textile machines, optomechanical devices, gas valves, watches, cameras and metal filter cartridges, etc.	Machine Cutting Oil、 Iron filings、 polishing powder、 finger print、 oil dust、 grease、 dust etc.
Hardware and Machinery	Bearings, gears, steel balls, metal castings.tools, adjustable valves and cylinder parts.burners, compressors, hydraulic presses, spray guns and ultracentrifuges, city taps, filters, filter cartridges,etc	Cutting oil, iron filings, grease, polishing powder, finger prints, etc.
Medical Devices	Medical Devices, Dentures, Filter Rods.Experimental Equipment Surgical Knife	Various oil stains, blood stains, residues, dirt on the inner wall of the container
Plating	Plating Parts、 Molds, stampings, etc.	Polishing iron chips, oil, black iron shell, rust,oxide shell, iron filings, polishing powder, stamping oil, dust, etc.
Automotive industry	Active rings, carburetors, fuel pumps, flow meter housings, rotating crank bottoms.automotive castings, electrical components, etc.	Iron filings, polishing powder, oil, stamping oil,dust, etc.
Chemical Fiber	Chemical or artificial fiber nozzles, filter protectors, chemical fiber texture	Chemical gels, glues, other solid materials dust, etc.
Educational	Laboratory Instruments, Chemical Beakers, Life Sciences	Bacteria Virus ,Various oil stains, Surface dirt

DAILY MAINTENANCE

1. Pour water into the tank with the measuring cup , half of tanks standard line . After washing with a soft sponge , rinse with the cleaning water.
2. Be careful not to seep water into the power connection at the bottom of the cleaning tank.



3. After cleaning , please rinse items with clean water once again Don't seep water into the power connection when cleaning.
4. When the stains are difficult to remove , please wet a clean cloth with water, then wipe them. Be careful not to seep water into the switch and power connection.
5. After wiping , dry the device with a dry cloth.



RECYCLING INFORMATION



Disposal information:

This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheeled bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices

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