



US Vapor Commercial steam cleaner

Owners and Instruction manual

Please read this manual carefully and fully before operation the machine. The **US Vapor** steam cleaner is an extremely safe device when used cautiously and safely. However, it is NOT to be used by children or individuals who do not realize the potential danger of hot steam vapor.



The US Vapor is a 120 volt appliance and meets all safety regulations for which it was designed. Any altering or misuse of the machine in any way will render the warranty void and free the manufacturer and retailer of all legal ramifications. The **US Vapor** is **CE** certified and manufactured in Italy

For service, repairs and any questions, please contact Hygea Natural at info@HygeaNatural.com

*Hygea Natural | www.HygeaNatural.com
1324 E 15th Street | Brooklyn, NY 11230
Tel: 718-517-2227 | Fax: 718-679-9656*



Technical specifications of the US Vapor

- 120 volts
- 1600 watts
- 8-14 minutes heating time
- Continuous operation
- 11 foot hose
- 2.5 liter refill tank
- Stainless steel body
- Stainless steel 1.5 liter boiler
- Maximum pressure of 7 bar (100 PSI)
- Maximum temperature of 330 degrees
- 1600 watts
- Full attachment kit

Safety devices built into the US Vapor for maximum user protection

- Pressure relief valve to guard against over-pressurization
- Thermo sensor to monitor temperature both internal and external
- Pressure shut offs
- Main power on/off switch
- Low voltage trigger switch
- Auto diagnosis at every initial turn on
- Low water cut offs
- Insulated boiler
- Carry handle
- Protection IPX4

Safety warnings for operation

- For use on 120 volt circuits with 15 amp service only and properly grounded outlets

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- Do not point or aim the steam wand at any other human or animal as it is super heated water vapor and will cause severe burns
- Never spray steam at or near any other electrical device or electrical outlet.
- Only authorized personnel shall use the appliance
- This machine is not to be used as a space heater
- Do not lay the machine on its back or on its side at any time
- Do not use chemicals of ANY kind inside the machine. It is designed for use with distilled or clean and drinkable tap water
- Never pull the machine around by its electrical cord or by its vapor hose. Damage can occur and warranty will be voided.
- While using the accessories, never touch anything with a metal tip. This area will be extremely hot and will cause burns
- Always make sure any accessory is locked into position on the steam hose and gun
- Never spray water directly on the machine in an attempt to clean it.
- Never unplug the machine while in use. If the machine needs to be turned off, press the power switch on the front to the "off" position and then gently unplug the cord from the outlet
- Never pull the plug from an outlet by the cord. Grasp the molded part of the plug and pull from there
- If the machine needs to be lifted to a desired location, be extremely careful as the bottom of the machine is extremely hot. This is where the boiler is housed. Lift the machine by the grab handle on the top of the body
- Do not overfill with water. The refill tank holds approximately 2.5 liters of water. This tank does not need to be completely full as the boiler is filled automatically. If the alarm sounds for water refill, add water slowly and carefully and wait for the alarm to shut off. Simply add water for another 5 or 6 seconds and go back to work
- In the case of a malfunction, never open the machine unless instructed to by an authorized retailer. Call for service immediately and listen to the instructions given
- Never drain the boiler when the machine has been operating or under pressure. Even if no pressure is present in the machine, the boiler will still

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hold very hot water for up to 5 hours after operation has ceased. Wait at least 5 hours before draining the boiler

Proper use and operation of the US Vapor

1. Plug the **US Vapor** molded plug into a 110/120 voltage grounded receptacle. It is not recommended to use extension cords with this machine. If one needs to be used, be sure it's of the proper gage wire and no longer than 15 foot long
2. Remove the rubber fill cap on the top of the body and add approximately 1.5 liters (1.8 quarts) of clean tap water (or preferably distilled water) into the refill tank. The refill tank holds 2.5 liters of water but it is not needed or recommended to overfill the tank on initial operation. Replace the rubber fill cap
3. Turn the power on by depressing the top portion of the main power switch. The light will illuminate and the pump will come on. This is a normal operation. The pump will buzz as it is automatically filling the boiler
4. The pump at some point will stop and heating will begin. If the machine requests more water, and alarm will sound indicating that the boiler needs more water and the pump also will no longer be in operation
5. There will be a hissing or percolating noise coming from within the machine. This is normal. The water is being heated and turned into steam pressure
6. It will take anywhere from 8-14 minutes for the machine to be fully pressurized and operational. The temperature will rise on the display to roughly 320 degrees. The steam "ready" light will come on, indicating its ready for use

Connecting the hose and using accessories

1. The **US Vapor** is conveniently made with a detachable hose for easy transport and storage. It needs to be plugged into the machine prior to use. It uses a low voltage trigger switch on the handle for extreme safety. Line the hose up with the mouth of the machine so that the electrical connector and round vapor hose outlet meet one another
2. Press the hose into the mouth of the machine gently but firmly and wait for the "click". The steam hose is now locked in place
3. Choose the accessory needed and also "click" that into the handle or gun side of the hose and make sure its locked in place.

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4. Before beginning your cleaning operation on the desired area, it's necessary to exhaust the hose and boiler of its initial water vapor and condensation. Depress the steam trigger on the handle and point the wand or accessory AWAY from any human, animal or the object to be cleaned
5. There will be initial water from the hose, then steam. Once steam is escaping the gun at a continuous rate, stop the steam by releasing the trigger. Give it another couple of minutes to re-pressurize and now you are ready to clean!
6. To adjust steam pressure either higher or lower, turn the dial on the front of the machine either clockwise or counter clockwise to release more or less steam. **NOTE even at low pressure, the steam is still extremely hot and can and will cause burns if used carelessly or incorrectly**
7. When changing accessories, release the lock by pressing the plunger on the side and gently pulling the accessory out of the gun. Be careful not to touch anything metal on the wand. It is extremely hot. Always make sure the seam has been stopped for at least 10 seconds before replacing brushes or accessories

Refilling and adding additional water

1. Depending on the level of work being performed and the desired pressure being used, the refill tank will periodically empty itself. Do not worry. The boiler is still full and still under pressure, but the machine will cease operation if water runs out.
2. An alarm will sound and the display will light indicating the refill tank is out of water. Remove the rubber fill cap, add water until the light and the alarm go off, and count to an additional 5 or 6 and you are ready to work again immediately
3. If at any time, water is leaking from the machine, do not add any additional water. Turn the power switch off, unplug it and contact an authorized service center

Service and Maintenance

1. The **US Vapor** requires little maintenance but it is important to follow a few guidelines
2. The use of distilled water is recommended and will prolong the life of all major components and parts. If distilled water is not available, clean and

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drinkable tap water is to be used. However, tap water contains minerals and will cause some calcium build up over time. Calcium when coated on the internal components, passage ways, boiler, heating element, etc will cause a strain to the machine and over time will make it inefficient or not work properly

3. To clean the calcium we recommend boiler drainage once every 2 weeks. At the bottom of the machine there is a boiler drain plug. Unscrew the drain plug ONLY when the machine is cold. Do not and NEVER unscrew a boiler cap under pressurized conditions or when the water in the boiler is still very hot. This is an extremely dangerous condition and not to be done
4. When the boiler is drained there may be white and milky water that runs out. This is calcium build up. Fully drain the boiler until water runs out clear. Drain completely and reinstall the boiler plug
5. Once every couple of months it is recommended to fully clean the boiler. Do this as follows
6. With the boiler empty, fill the boiler from the plug side (underneath) with a 50/50 solution of white vinegar and water. Reinstall boiler plug and allow to sit overnight. **DO NOT HEAT THE MACHINE WITH VINEGAR IN THE BOILER!** Drain the boiler the next day, reinstall the boiler plug and add "only" water and use the machine as normal

What to do in case of malfunctions?

The **US Vapor** has been designed for commercial use in an all day, every day setting. It should provide long life and long hours of constant cleaning.

However, if something goes wrong or does not seem correct about the operation, please call the service center or the retailer it was purchased from. We know these machines inside and out and we are extremely good at diagnosing problems by giving us a call and explaining the issue.

Under NO circumstances is the user authorized to open the machine at any time unless instructed to by the authorized repair center. Taking it upon yourself to try and repair a steam cleaner is both unsafe, un-necessary and will void the warranty. We have the expertise and parts to repair the **US Vapor** very quickly.

Warranty of the US Vapor

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Every **US Vapor** is built to the highest standards and tested at the factory before being shipped. It should be in perfect operating condition when it arrives at your location. However, if a part or component malfunctions during the warranty period, it will be replaced at no cost to the user during the warranty period. The Warranty is as follows against manufacturer defects. The manufacturer determines and makes the final decision on all warranty claims

- Lifetime warranty on the AISI stainless steel boiler
- 3 year warranty on the heating element
- One year on all the internal electrical components

The warranty will cover...

- Parts replacement under the warranty period
- Labor to install the part
- Shipping back to the customer within the first 120 days
- Shipping from the customer from the first 30 days
- The warranty period begins from the date of the invoice to the customer

The warranty will **NOT** cover.....

- Parts and components subject to wear and tear such as O-rings, brushes, accessories that have failed from abuse or over use and not defects

The warranty will be terminated in the cases of tampering, unauthorized opening of the body, miss-use, abuse or neglect, using chemicals in the machine, using the wrong electrical source or extension cords.

If any part of this manual has been unclear or confusing and you need further assistance, please contact **Hygea Natural at: 212-737-8212.**

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