

# BlueEvolution

## User Manual



**BlueEvolution®**  
POWER STEAM TO BUSINESS

7940 Rodeo Trail, Ste 360  
Mansfield, Texas 76063  
(817) 297-7745



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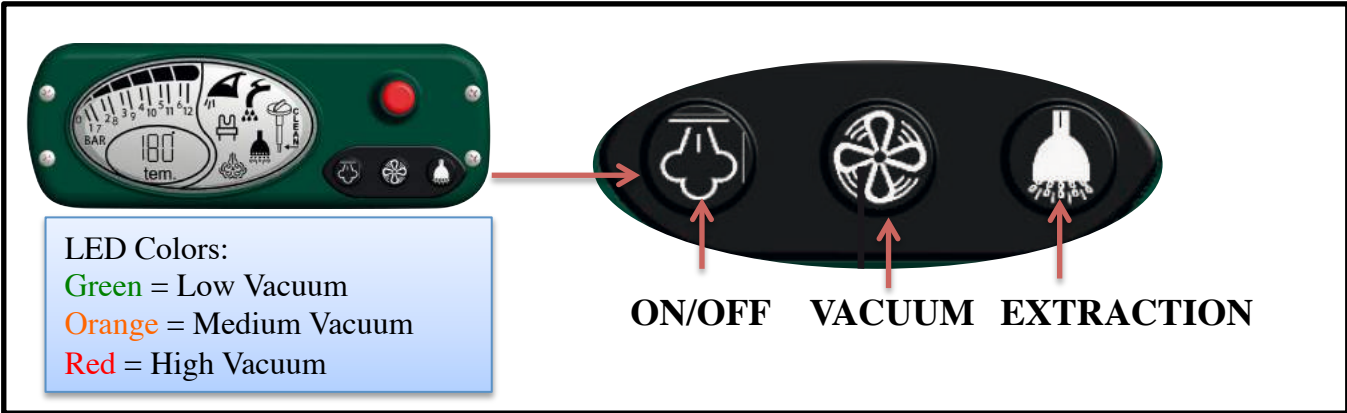
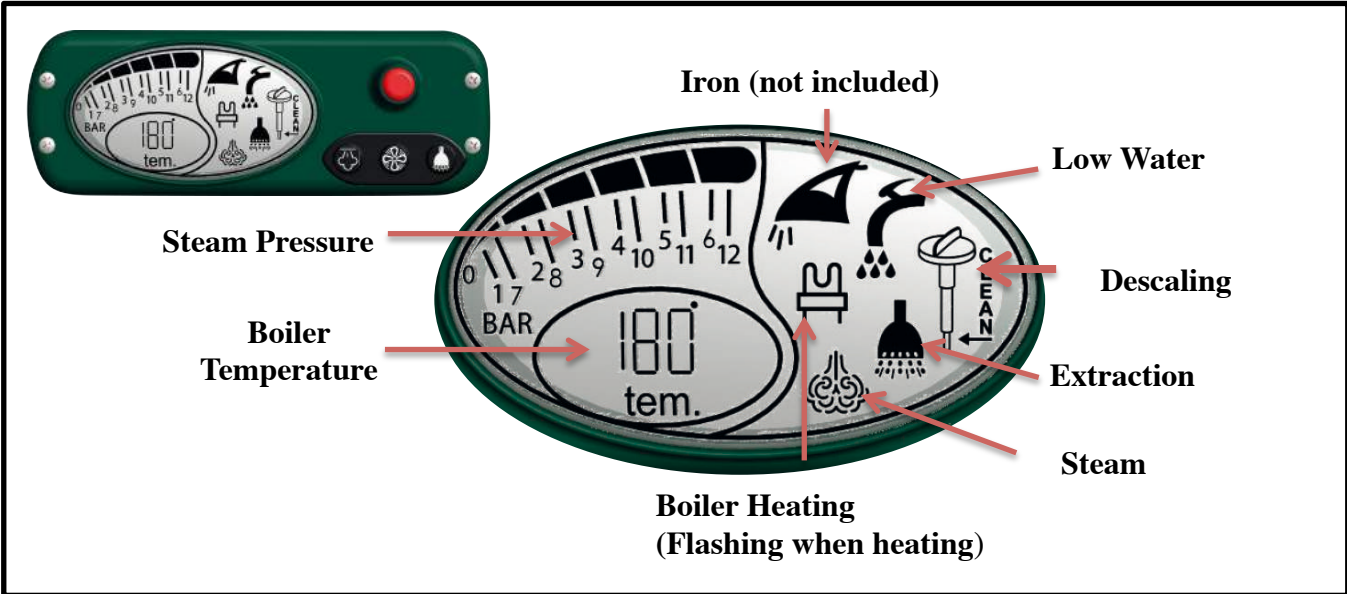
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## **WARNING**

**STEAM GENERATED BY THE BLUE EVOLUTION IS EXTREMELY HOT AND MAY CAUSE INJURY IF THE STEAM COMES IN DIRECT CONTACT WITH THE SKIN OR EYES. USE AS ONLY AS DIRECTED BY THE THIS MANUAL AND ONLY AIM THE STEAM HANDLE AT THE CLEANING AREA.**

## **Technical Data**

Steam Max pressure	117 PSI	Voltage	120V 60Hz
Boiler Max temperature	338°F	AMPS:	13.5
Dimensions (in)	15 x 28 x 37	Maximum power	1800W
	(W x L x H)	Max Boiler Powder	1000 + 700W
Shipping Weight	98 pounds	AISI 304 stainless steel boiler	
Power cord Length	10 ft.		
Hose Length	10 ft.	Vacuum motor power	1200W max
Tank Capacities		Vacuum Water Lift	83 inches
Steam reservoir tank:	½ gal	Vacuum Air flow	47CFM
Extraction reservoir tank:	½ gal		
Vacuum collection tank	.8 gal		



# Quick Start-Up

## Add Water

Before turning **ON** the Blue Evolution

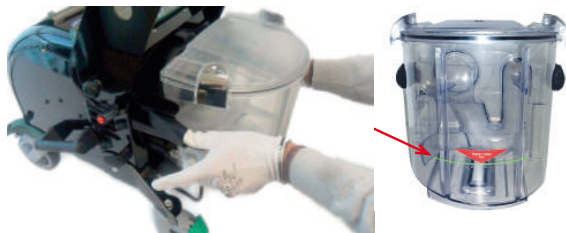
- Remove tank caps and add water to the steam and extraction tanks.
- Replace tank caps.

### Extraction Steam



½ gallon capacity for each tank

- Add water to the vacuum collection tank to the fill line and re-attach. (See page 8)



## Plug into Electrical Outlet

- The Blue Evolution should be the only appliance plugged into the electrical outlet.
- If an extension cord is required:
  - Use only a 12 gauge / 15AMP rated or higher extension cord.
  - 50ft maximum length
- The Blue Evolution will power up and then turn OFF. This is normal.
- Push the **ON/OFF Button** to turn-on.

Blue Evolution is Ready when:

- Temperature  $\geq 330$  °F
- It will take 10 minutes for the steamer to heat and reach working temperature.

## Insert Hose & Select Cleaning Attachment

- Lock front wheels.
- Insert the hose and press until you hear it click.




## Cleaning Functions

### Steam (page 6)

- Squeeze the **RED** trigger to release steam.




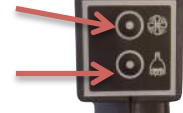
### Vacuum (page 6)

- Push the  button on the handle.



### Extraction (page 7)

- Push  button on hose handle.





ON/OFF



# Steam

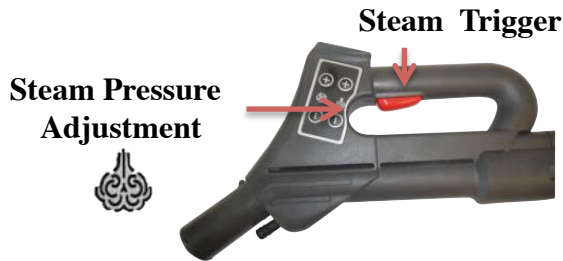
# Vacuum

- The steam symbol  will illuminate on the console signaling the Blue Evolution is in **Steam Mode**.
- This symbol  will start flashing, signaling the boiler is heating.

Blue Evolution is Ready when:

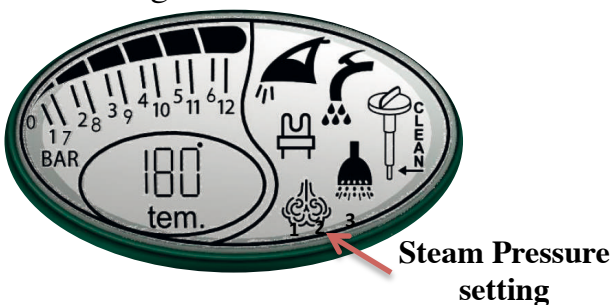
- Temperature  $\geq 330$  °F
- It will take 10 minutes for the steamer to heat and reach working temperature


- Squeeze the **RED** trigger on the hose handle to release steam.
- Steam Pressure can be increased (+) or decreased (-) on the side of hose handle.




### Steam Pressure Setting:

- 3 – Heavy soil or grease
- **2 – Recommend for most cleaning**
- 1 – Light soil / Delicate surfaces



This symbol  will flash during operation indicating the Blue Evolution is reheating.

The wet/dry vacuum on the Blue Evolution can be used independently or with the **Steam** and **Extraction**. Utilize the vacuum to reduce surface moisture while cleaning.

- Fill the collection tank with water before using the vacuum (see page 8).
- Do not exceed the **GREEN** max fill line on the tank.
- Activate the **Vacuum** by pushing the  symbol on the hose handle



**Green** = Low Suction  
**Orange** = Medium Suction  
**Red** = High Suction

- The vacuum has three suction settings indicated by the color of the LED light on the console.



- Suction can be increased (+) or decreased (-) on the side of hose handle.




The Blue Evolution vacuum tank can hold ½ gallon of water. If you exceed this amount the suction will stop and the LED will blink.

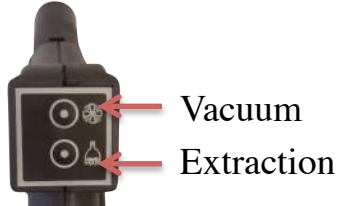
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# Extraction

The Blue Evolution's *Extraction* feature allows the user to clean with hot water. Extraction increases cleaning performance, and when used with the *Vacuum*, leaves a relatively dry surface.

- Activate the *Extraction* by pushing the  button on the hose handle.

- Turn **ON** the *Vacuum* by pushing vacuum symbol  on the hose handle.



- The  symbol will illuminate on the display while the Blue Evolution is in *Extraction* mode.
- You will hear the pump when activated.
- Extraction spray can be increased or decreased in 10% increments by pushing  button on the console.
  - Default Setting: 60%
  - 010 - Lowest Setting minimum amount of water
  - 100 - Highest Setting Maximum amount of water
- To turn **OFF** the *Extraction* and return to *Steam only*, push the  button on the hose handle.

# Shut Down

## After Each Use:

It is important to clean accessories and brushes.

- Run the vacuum for 30 seconds to remove any water from the hose.
- Use hot soapy and water to clean brushes and nozzles.
- Empty and use hot soapy water to clean the collection tank and remove all debris.
- If using the Blue Evolution on an extremely dirty or greasy surface, clean hose after use by activating the vacuum mode and suck water through the hose on low suction.
- If working in a healthcare environment, the hose can be cleaned with a disinfection solutions.

## Every 3 Months

- Check Boiler cap and descale (see Page 13).
- Descale the reservoir tanks and boiler. (see page 12).
- Check HEPA filter clean or replace. (see page 10).
- Check O-Rings on hose and extension wands. If damaged, replace.

## Every Year

- Replace HEPA filter
- Change the O-Rings on the hose and extension wands (page 10)

# Assembly

## Collection Tank

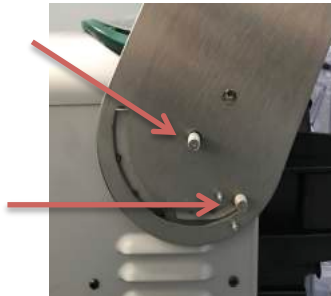
- Remove by pulling latches out, located on the sides of the tank, and slide off.
- Remove the lid and fill the tank with water to the **GREEN** fill line.
- Secure the lid to the tank before re-installing.
- To install the tank, pull out the latches and slide tank onto the back of the Blue Evolution.
- Use the latches to lock tank in place. It should slide smoothly and fit tightly.



The collection tank can hold ½ gallon of water. If you exceed this amount, the fill level sensor will stop suction and the warning display will flash.

## Push Handle

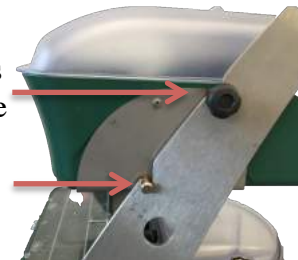
- Attach by placing over fixed screw studs located on each side and secure with the 2 small knobs. Use the washers with small knobs.
- Secure handle with the larger knobs, by turning clockwise until tight.



## Accessory Box

The accessory box fits securely on the handle using two fixed knobs. Tighten by turning knobs clockwise.

- Attach screw knobs located on each side
- Sits in groove on handle





# Accessories



Hose  
Part # 9618



Extension Wands  
Part # 9615



Adaptor  
Part # 802210



Floor Brush  
Part # 8022

Adaptor must be used to connect the extension wands to the floor brush



Small Extraction Nozzle  
Part # 9621

No brush



Carpet, Upholstery, and mattress



Rubber tip with brush  
Part # 802102



Glass, windows, and mirrors



Nylon Brush  
Part # 802015



Pre-Cleaning in heavy soiled area



Large Extraction Nozzle  
Part # 9620

No Brush



Carpet, upholstery, and mattress



Rubber tip with brush  
Part # 80202



All Hard surfaces, tile, and wood



Short Spot-Jet Nozzle  
Part # 9612



Suction Nozzle  
Part # 8010



1" Nylon / Part # G0018  
1" Brass / Part # G0126  
1" Steel / Part # G0125



Long Spot-Jet Nozzle  
Part # 9613



3" Round Brush  
Part # 7109

# Maintenance

## HEPA Air Filter

We recommend the HEPA filter be cleaned monthly or when there is a noticeable drop in vacuum suction. The filter should be replaced at least once per year.

### To clean or replace the HEPA filter:

- Remove the exhaust cover on underside of the Blue Evolution by loosening the center screw.
- The HEPA filter is located on the back of the exhaust cover.
- Clean by using air hose to blow out dirt and dust. Make sure to clean both sides of the filter.



### Warning

Do not tilt or lay the Blue Evolution on its back or side. Doing so could cause damage and void the warranty.

## Accessory Cleaning

It is important to clean accessories and brushes after each use to maintain cleaning performance.

- Use hot soapy and water to clean brushes and nozzles.
- Rinse hose with water after each use by activating the vacuum and sucking water through the hose.
- Empty and use hot soapy water to clean the collection tank and remove all debris. Rise with water removing all soap.

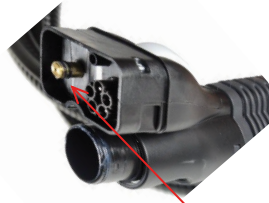
## O-Rings

O-Rings must be checked regularly for damage. If O-rings are damaged or missing, please call US Steam to purchase replacement rings. (817) 297-7745.

Hose Handle



Hose



Extension Wands



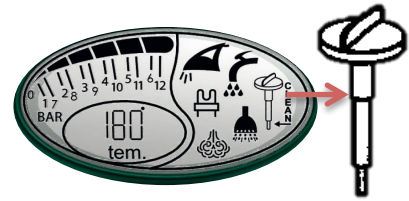
# Trouble Shooting

PROBLEM	SOLUTION	
<p>The Blue Evolution does not turn on.</p>	<ul style="list-style-type: none"> <li>➤ The Blue Evolution should be the <b>ONLY</b> appliance plugged into the electrical outlet.</li> <li>➤ Check the fuse box for tripped circuit breaker.</li> <li>➤ If using an extension cord it must meet the following requirements:                             <ul style="list-style-type: none"> <li>➤ <b>Use only a 12 gauge / 15AMP rated or higher extension cord.</b></li> <li>➤ 25 ft. max length</li> </ul> </li> </ul>	
<p>The Blue Evolution powers ON after plugging into the electrical outlet and then turns OFF.</p>	<ul style="list-style-type: none"> <li>➤ This is normal.</li> <li>➤ Push the ON/OFF Button on the console to power ON the Blue Evolution.</li> </ul>	
<p>During the warm-up phase the Blue Evolution’s alarm goes off.</p>	<ul style="list-style-type: none"> <li>➤ The boiler pulled all the water from the steam reservoir tank</li> <li>➤ Refill the steam reservoir tank</li> <li>➤ Push the ON/OFF button on the console to reset.</li> </ul>	
<p>No Vacuum Suction <b>Warning alarm goes off</b></p>	<ul style="list-style-type: none"> <li>➤ Empty and clean the collection tank.</li> <li>➤ Refill with water to the green fill line.</li> </ul>	
<p>No Vacuum Suction <b>No warning signals</b></p>	<ul style="list-style-type: none"> <li>➤ Collection tank lid is not attached correctly.                             <ul style="list-style-type: none"> <li>➤ Lid must sit flush on the and locked into position.</li> <li>➤ It’s helpful to attach the lid to the tank before installing.</li> </ul> </li> <li>➤ Check hose for foreign objects or dirt.</li> <li>➤ Check and replace the HEPA filter as needed.</li> </ul>	
<p>Error Codes Will show on console screen</p>	<p>01 – Refill Steam tank</p> <p>02 – Refill Extraction tank</p> <p>03 – Boiler did not refill</p> <p>04 – Collection tank is full</p> <p>05 - Descale boiler</p>	<p>06 – Replace UVC lamp</p> <p>07 - High steam temperature</p> <p>08 - Replace anti-scaling filter</p> <p>09 – High motor temperature</p> <p>10 – Service required</p>



# Descaling

Hard water will cause limescale to build up in the boiler. Limescale can damage the boiler if not removed by descaling. We recommend descaling the tanks in the Blue Evolution every 60 days or earlier if the warning indicator light starts flashing.



## Step 1: Drain the Steam, Extraction, and Boiler Tanks.

Drain plugs are located on the bottom of the Blue Evolution. The exhaust cover must be removed to access the drain plugs. **DO NOT PLACE THE BLUE EVOLUTION IN ITS SIDE TO DESCALE.**

### Tools Required:

- 5mm allen wrench
- 13mm socket wrench
- Catch container
- 1 gallon container for descaling solution.

- ① The Blue Evolution must be cool and at room temperature before descaling.
- ② Place the Blue Evolution on a flat surface and lock all 4 wheels.
- ③ Tilt the Blue Evolution and remove the exhaust cover (see figure 1).
- ④ Remove the boiler cap pressing down and turning counter-clockwise (figure 2)
- ⑤ Tilt the Blue Evolution to expose the boiler tank plug. Use a 13mm wrench to remove. Place a catch pan to collect draining water.
- ⑥ Using 5mm allen wrench, remove the water tank plug (blue) and extraction tank plug (yellow).
- ⑦ Replace all drain plugs.
  - Boiler plug is tight when it stops turning.
  - The (blue) steam and extraction (yellow) tank plug have a snug fit and will NOT stop turning. DO NOT OVERTIGHTEN.
- ⑧ The boiler tank is now ready for descaling.

Boiler Tank Drain Plug (13mm)

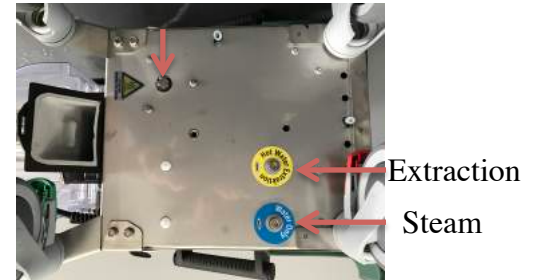


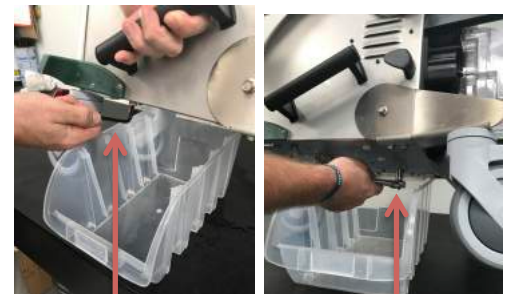
Figure 1: Remove Exhaust Cover



Figure 2: Remove boiler cap



Figure 3: Remove drain plug



5mm Allen

13mm socket

# Descaling

## Step 2: Descaling the Steam and Boiler Tanks

Descaling Solution is a mixture of ½ gallon of vinegar and ½ gallon of tap water.

- ① Pour 1/4<sup>th</sup> of the descaling solution into the steam tank.
- ② Pour 1/4<sup>th</sup> of the descaling solution in the extraction tank.
- ③ Pour 1/4<sup>th</sup> of the descaling solution directly into the boiler tank.
  - Water may drain from the overflow hose.
  - Do not replace the boiler cap until completely finished descaling.
- ⑤ Turn ON the Blue Evolution to pump the descaling solution into the boiler. It should take 1 minute before you hear the alarm.
- ⑥ When you hear the low water alarm, push the OFF button. The descaling solution should remain in the boiler tank for at 15 minutes.


## Step 3: Clean the Descaling Sensor.

Attached to the boiler cap is the water fill sensor. The sensor must be cleaned each time the Blue Evolution is descaled.

- ① Remove the sensor and soak in remaining descaling solution until all minerals are removed.
- ② Rinse sensor with tap water and replace cap and tighten by pushing down and turning clockwise.



## Step 4: Descal the Extraction Tank.

- ① Attach the hose to the Blue Evolution.
- ② Turn ON the Extraction function on the hose handle by pushing the  button on the hose handle.
- ③ Allow the descaling solution to pass through the hose for 1 minute. Use a catch pan to collect the descaling solution as it exits the hose handle.



The low water alarm will sound while descaling the hose and extraction tank.

# Descaling

**Step 5: Drain Tanks** (See **Step 1** instructions for draining tanks.)

## **Step 6: Rinse Tanks**

The descaling solution must be removed from the tanks before using. Two rinse cycles may be required.

- ① Fill the *Steam and Extraction* tanks with  $\frac{1}{4}$  gallon of tap water.
- ② Fill the boiler tank with  $\frac{1}{4}$  gallon of tap water and replace cap.
- ③ Turn ON the Blue Evolution allowing the water to be pulled into the boiler tank.
- ④ When you hear the low water alarm, turn OFF.
- ⑤ Remove all drain plugs, emptying the water in the tanks.
- ⑥ Replace drain plugs.
  - Boiler plug is tight when stops turning.
  - The (blue) steam and (yellow) extraction tank plug will have a snug fit and NOT stop turning.
- ⑤ Replace exhaust cover.
- ⑥ Refill the extraction and steam tanks with tap water
- ⑦ Blue Evolution is ready for use.

# Notices

**Read all instructions before using this steam cleaner.**

**WARNING: STEAM GENERATED BY THE BLUE EVOLUTION IS EXTREMELY HOT AND MAY CAUSE INJURY IF THE STEAM COMES IN DIRECT CONTACT WITH THE SKIN OR EYES. USE AS ONLY AS DIRECTED BY THE THIS MANUAL AND ONLY AIM THE STEAM HANDLE AT THE CLEANING AREA.**

## **WARNINGS**

- DO NOT leave the steam cleaner unattended while plugged in. Turn off all controls and unplug the electrical cord when not in use, when moving to another location and before servicing.
- DO NOT use with a damaged cord or plug. If the steam cleaner is not working as it should, has been dropped, damaged, left outdoors or dropped into water, call for service before using.
- NEVER attempt to disassemble this product in a way not instructed in this manual.
- DO NOT handle the electrical plug with wet hands.
- DO NOT use near children.
- DO NOT pull or carry by cord. Keep cord away from heated surfaces.
- Keep body, hands, and feet away from nozzle or brush steam. Steam can cause burns.
- ALWAYS set safety switch on hose handle into the locked position when not in use.
- Not setting safety switch to locked position could result in an injury.
- ALWAYS test a small area before cleaning a large area on any type of surface to make sure no damage will occur.
- DO NOT expose machine to freezing temperatures while not in use.
- DO NOT store gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

## **ELECTRICAL CONNECTIONS**

**The steam cleaner uses 110 Volts and will pull 13.1 Amps.** It should be the only appliance plugged into an outlet.

- *Use only a 12 gauge / 15AMP rated or higher extension cord.*
- Any alteration of electrical cord supply on this steam cleaner will void all warranties.
- Once electrical hook-up meets requirements, make sure all switches on front of unit are in the off position before plugging unit into electrical outlet. For circuit breaker protection, if possible plug the unit into an outlet isolated from other equipment, or turn the other equipment off while using the steam cleaner — the combined electrical amperage of other equipment and the steam cleaner together may cause a circuit breaker to trip.
- Always press the power button to OFF before you unplug the unit.
- Removing the ground prongs from the power cord will void any and all warranties and can cause risk of shock or injury

**KEEP FOR YOUR RECORDS. THIS MANUAL MUST BE RETAINED FOR FUTURE REFERENCE. PLEASE READ, UNDERSTAND AND FOLLOW THE INSTRUCTIONS AND WARNINGS CONTAINED IN THIS MANUAL BEFORE USING THIS VAPOR STEAM CLEANER.**

In order to reduce the risk of fire, electric shock, personal injury or damage to property, follow these instructions carefully. When using electrical appliances, basic safety precautions should be followed.



# Warranty

Your steamer comes with a one year limited warranty which becomes effective on the date of shipment from US Steam and is granted to the initial customer and is nontransferable. Any claims under this warranty must be made before the end of the applicable warranty period. During such period if US Steam determines that a part or system is defective in material or workmanship, US Steam, at its option, will provide you with a repaired part or replace any part that is covered by the limited warranty. US Steam reserves the right to substitute functionally equivalent new or serviceable reconditioned parts or systems. US Steam's responsibility is limited to repair, replacement, credit or refund, any of which may be selected by US Steam at its sole discretion. The Warranty does not cover defects or damage arising from the disassembly or attempted disassembly of your steamer.

The limited warranty covers only defects arising from normal use and does not include malfunctions or failures arising from: misuse, abuse, neglect, alteration, usage not in accordance with user manual and instructions, depletion of consumables, acts of nature or damage caused by repairs where such repairs were made without US Steam's express approval.

Use of any replacement parts other than authorized US Steam parts voids all warranties and can cause bodily injury to the operator and damage equipment. Service performed by anyone other than factory authorized personnel will void warranty.

## **SERVICE AND SUPPORT**

Before you ship your steam cleaner for service, you must call (800) 613-3874 (M-F 9am-4:30pm Central Time) or contact us through the web at [www.ussteam.net](http://www.ussteam.net) our customer service representative will explain how you must package and ship your *Steamer* to prevent further damage

## **RETURN PROCEDURES**

Prior to returning the product(s) you must obtain a Return Merchandise Authorization (RMA) by calling (800) 613-3874. **No returns will be accepted without RMA #.** When packing the Steamer, you must use the original packing material to prevent damage in shipping. Make sure you include all items and accessories. You will be responsible for all shipping cost. Send returns to

US Steam  
7940 Rodeo Trail, Ste 360  
Mansfield, TX 76063

## **LIMITATIONS**

EXCEPT AS SET FORTH HEREIN, US STEAM MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, AND DISCLAIM AND NEGATE ALL OTHER WARRANTIES, INCLUDING WITHOUT LIMITATIONS, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR THE PARTICULAR PURPOSE AND CONFORMITY TO MODELS OR SAMPLES. SOME JURISDICTIONS DO NOT ALLOW LIMITATIONS ON IMPLIED WARRANTIES, SO THESE LIMITATIONS MAY NOT APPLY TO YOU.

## **GOVERNING LAW, JURISDICTION AND COSTS**

THESE LIMITED WARRANTIES ARE INCORPORATED INTO AND ARE ESSENTIAL AND MATERIAL PROVISIONS OF THE TERMS AND CONDITIONS OF SALE OR SELLER PRODUCTS TO YOU. ALL DISPUTES ARISING OUT OF OR RELATED TO THE LIMITED WARRANTY SET FORTH HEREIN (CUSTOMER DISPUTES) SHALL BE GOVERNED BY THE LAWS OF THE STATE OF TEXAS. THE CUSTOMER HEREBY CONSENTS TO THE JURISDICTION AND VENUE OF THE STATE COURTS OF TEXAS TO RESOLVE ANY AND ALL CUSTOMERS DISPUTES WITH BOSTON GREEN GOODS, INC., AND THE CUSTOMER WAIVES ALL DEFENSES TO SUCH JURISDICITON AND VENUE INCLUDING, BUT NOT LIMITED TO, ANY DEFENSE BASED ON INCONVENIENT FORUM. IN THE EVENT THE CUSTOMER AND BOSTON GREEN GOODS, INC. ARE UNABLE TO RESOLVE ANY CUSTOMER DISPUTE, AND ANY COLLECTION ACTION, SUIT OR OTHER JUDICIAL PROCEEDING IS COMMENCED; THE PREVAILING PARTY IN ANY SUCH ACTION, SUIT OR PROCEEDING SHALL BE ENTITLED TO RECOVER ITS COSTS AND REASONABLE ATTORNEY'S FEES INCURRED.

- |                   |   |
|-------------------|---|
| <b>Restaurant</b> | <b>Floors, Kitchen, Grills, &amp; Bathrooms</b><br>The Blue Evolution will clean every area of your restaurant without chemicals.                                   |
| <b>Hospital</b>   | <b>Patient Beds, Wheel Chairs, &amp; Curtains</b><br>Steam is a proven killer of virus and infection causing germs. UV-C reduces airborne bacteria.                 |
| <b>Grocery</b>    | <b>Deli's, Freezers &amp; Butcher</b><br>Chemical free cleaning in areas of food storage and preparation.   |
| <b>Office</b>     | <b>Desk, Tables, &amp; Partitions</b><br>Blue Evolution guarantees a clean, germ-free work environment increasing productivity and reducing sick days.              |
| <b>School</b>     | <b>Lockers, Mats, &amp; Gym Equipment</b><br>Steam kills mold and germs caused by sweaty athletes.  |
| <b>Gym</b>        | <b>Equipment, Lockers, and Saunas</b><br>Kills viruses and germs found on workout equipment and gym floors.   |
| <b>Day Care</b>   | <b>Toys, Playgrounds, &amp; Beds</b><br>The Blue Evolution can clean all areas where kids pass germs. Extreme cleaning can reduce sick days for kids and employees. |
| <b>Automotive</b> | <b>Seats and Floors</b><br>The Blue Evolution combines steam and extraction into one system for more efficient detailing.   |

## *A Better Way to Clean*



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