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Model Number: 20170111

Clean Storm 20170111 Hot Box Volcano 2000Watt In-line Compact Heater Carpet Cleaning Equipment 120V 20Amp breakers

Manufacturer: Clean Storm

Clean Storm 20170111 Hot Box Volcano 2000 Watt In-line Compact Heater For Carpet Cleaning Equipment 120 volts for 20 amp breakers

#### Features

- Ultra Compact And Easy To Carry Design
- Rotomolded Case with all Stainless Steel and Brass Parts
- 600 psi Safety Pressure Relief Valve
- 20 amp push button safety breaker
- Stainless steel On/Off Switch
- Easy Access To Inside For Service
- Six Foot 3000 psi In-Bound Water Hose with Male And Female QD's (used to hook your extractor to the heater)
- Pump head Check Valve
- Six Foot Over Pressurized Safety Hose To Lay Back In The Sink Or Fresh Water Tank
- 200 Degrees in as fast as 2 Minutes!
- 2000 Watts @ 120 Volts = 16.66 Amps
- Power Cord LED let you know you have plugged into a good outlet.
- Dual Green LED Power Indicator Light let you know when each 1000 watt heater is heating the water. They turn off once the water reaches 210 degree and automatically turn on when you start using the heater again.
- Can Run Dry Without Damage
- Double Cleaning Performance Of All Carpet And Upholstery Cleaning Equipment!
- Insulated Female QD Helps Prevent Burning Your Hand During Disconnect
- 300 degree thermometer keeps you informed about your cleaning temperature.
- Build in cord and hose wrap around top mounted handle.
- Rubber feet protect your customer floors and counters.
- 20.6 lbs use weight
- 17-1/2" L X 11-1/2" W X 11" H

When set your carpet cleaning tool down and quit cleaning, you will notice the internal water will reach 200 degrees and the heater will turn itself off (green lights will turn off). When you pick up the cleaning tool or wand and start cleaning again, the heater will turn itself back on again! The green lights will turn back on again letting you know it is working. Average temperature rise is 25 to 30 degrees while cleaning (100% improvement in water molecular molecule vibration means 100% improvement in

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cleaning results) 50 to 60 degree rise with an upholstery cleaning tool.

Please note that all electric heaters are designed to boost already hot water. They are not designed to heat cold water. You can use them with cold water, but only expect a 30 degree rise while in use.

Questions and Answers

Question: How come the video of the heater looks different than the current design?

Answer: We invested a lot of money making improvements including but not limited to the: Included 12-3 X 25 ft power cord, Rotomold housing is tougher and water resistant, and Build in temperature gauge. Until further notice we are sticking with the romo-mold.

Question: Can I choose my color or will this color be in stock?

Answer: No, we only get a set number and we get what we are sent to us.

Question: I own an EDIC machine with the couplers in reverse order (high pressure outbound male), can I still use this heater?

Answer: Yes, but you will have to just unscrew the couplers and swap / reverse them on the heater. This is also true with Cross American extractors, White Magic, Butler, and some HydraMaster equipment too.

Question: Do you have to hook it to the sink to use this heater?

Answer: NO, for some reason the video was a mistake. The video was just for testing the design. Just because you can hook it to the sink does not mean you are supposed to hook to the sink. Most carpet cleaners would hook the machine to the carpet cleaning machine high pressure outbound water connection and not the sink. The sink was only used for simulation and testing. All in-line carpet cleaning heaters are used the same way. You take your 6 ft solution hose (included with heater) and snap it into the outbound QD on the face of the extractor and feed the water pressure into the male QD on the Volcano 2000 heater. Your solution hose that travels to your wand is snapped into the female QD on the heater that has insulation on it. The over pressurization safety hose is snapped into the safety valve on one side and the open side is laid in the fresh water tank of the portable carpet cleaning machine or the sink.

Question: Will the heater break if I run it dry?

Answer: No, the heating rods are not in the water, rather they are heating the housing. You cannot hurt the heater by running it dry. Please note this is NOT true with our EDIC heaters. EDIC Heat N Run heaters must be primed with water pressure before you turn them on!

Question: What happens if I let it freeze?

Answer: I expect you will break it. Water expands 8% in all directions when it freezes so I am sure the housing of the heater core will break. The housing are tested to 1500 psi but pressure in ice is way over 10,000 psi.

Question: What is the average expected temperature rise while cleaning carpet?

Answer: 25 degree F for carpet cleaning and 50 degrees F for Upholstery cleaning. Naturally the size of jets you use and the amount of squeeze / cleaning stroke time VS dry stroke time will ultimately dictate the temperature rise.

Question: What will happen if I plug into a 15 amp outlet instead of a 20 amp outlet?

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Answer: More than likely you will be able to use the heater for an hour or two and then expect the breaker to trip. Once it trips you will have to reset the breaker but do not continue to use the same outlet. Please relocate to a new breaker. It is not good to keep tripping the same breaker over and over again! You also might have to just continue to finish the job with the building supplied hot water.

Question: Am I going to get an owners manual with my heater?

Answer: No, we expect that you have read this web page as it will have the most current information about this water heater.

Question: Since this heater has been tested to 1500 psi, can I used with my tile cleaning system at 1200 psi?

Answer: No, please do not use over 600 psi. We want a 2 to 1 service factor ratio with this heater. Please note that with tile cleaning the water is traveling through the heater at such high pace, we expect the temperature rise to only be at about 7 degrees. Not worth the risk of breaking your heater.

Question: Am I going to get an owners manual with my heater?

Answer: No, we expect that you have read this web page as it will have the most current information about this water heater.

Question: Can I use with a Rotovac 360, Mytee TRex, Hoss 700 or similar high flow extraction wand?

Answer: Yes, but please note that these tools use almost 4 time the amount a water that a traditional 2 jet carpet cleaning wand uses per hour. This means that you can expect the temperature rise to be only 7 degrees F.

#### CAUTIONS:

DO NOT OPEN THE HEATER WITH THE UNIT PLUGGED IN.

DO NOT LEAVE UNIT UNATTENDED OR UNSUPERVISED.

DO NOT LEAVE UNIT ON DURING PERIODS OF NON USE (IF YOU AREN'T CLEANING, TURN THE HEATER OFF)

DO NOT OPERATE HEATER IF IT IS NOT WORKING PROPERLY. DO NOT LET THE HEATER FREEZE.

DO NOT RUN FLAMMABLE SOLVENTS THROUGH THE HEATER.

DO NOT OPERATE HEATER IF IT IS LEAKING WATER INTERNALLY OF EXTERNALLY.

DO NOT PLUG UNIT IN IF IT IS WET FOR ANY REASON.

DO NOT USE HEATER IF ANY OF THE ELECTRICAL OR PLUMBING CONNECTIONS ARE LOOSE.

ALWAYS SUPPORT THE BACK OF THE BRASS QD ASSEMBLY WITH YOUR OTHER HAND WHEN CONNECTING HOSES TO THE UNIT.

ALWAYS USE CAUTION AND COMMON SENSE WHEN HANDLING METAL HOSE ENDS AND FITTINGS ON THE HOT OR DISCHARGE SIDE OF THE HEATER.

THESE METAL FITTINGS CAN BE HOT ENOUGH TO CAUSE SERIOUS DISCOMFORT AND BURNS.

Made with some of the following parts:

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Factory Installed  
Check Valve 1/4" F X F 1/4" 5PSI Crack Brass [B222]  
Prevents back pressure against you portable carpet cleaning machine pump.

Factory Installed  
Switch Toggle Stainless W/ Spade Connect Single Pole Single Throw  
Approved for 20 amp 125 volts or 12 amps 250 volts SPST 39008774507  
Durable stainless steel construction will never rust.

3 Units Factory Installed  
1/4 Fip Brass Bulkhead fitting C-BHF-1/4F-3/4M-BS 28301  
Used to transfer high pressure water through the housing wall

4 units Factory Installed  
1/4" Mip X 1/4" Fip Street 90 Brass Elbow BR282

Factory Installed  
Clean Storm 2000 watt Internal Heater Repair (Large style) 200-120  
Do not let your heater freeze or you will be purchasing another one of these!  
Please note, freeze damage is not covered under the warranty.

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Factory Installed  
Clean Storm Roto-Mold Plastic Job Box for High Pressure Heaters, Misting systems, Pump box, and Similar

Factory Installed  
1/4" Mip X 1/4" Fip Steel Swivel Fitting / Not live 2M-2UFS PHY052-001

Factory Installed  
Admiral Pump Water Temperature Gauge 50-300 degrees F Dial 2-1/4in 1/4" Mip Connection 78121560  
Keeps you informed your outbound water temperature.

Factory Installed  
West Pak Insulated Quick Disconnect Connector Sleeve and QD Set - Covers Your QD's to Prevent Burning Combination (QD Included)

Factory Installed  
Extension Power Cord 12-3 X 25 feet Heavy duty SJTW 15A-125V 10-0860 30-071 E531 AX32 860836 D16612025 12/3 EC0005  
Lighted male plug lets you know when the outlet is live.

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Factory Installed 2 units  
Circuit Locator Green Neon LED Light 120-240 volts AC 1/4" EZ Disconnects  
SBM8359 1/2in Hole Mounting SBM8359  
Keeps you informed when each of the two 1000 watt heating rods is in the heating mode.

Factory Installed 4 units  
Rubber Feet used for air movers converter boxes and heaters .875"Wide X  
.53" Tall 3/16" Hole with washer G050  
Protects countertop and floor from scratches.

Factory Installed  
B118 600 psi Safety Pressure Relief Valve 1/4 SBM\_B600  
Protects heater from over pressurization.  
Even though this heater was pressure tested at 1500 psi, we do not recommend that you use over 600 psi.  
If and when the water pressure is higher than 600 psi, the excess pressure will discharge down the hose to the sink or portable extractor solution tank.

Factory installed  
Clean Storm 2" Truckmount Rubber Vacuum Cap Prochem 86180700  
[20130523] White Magic E109C  
We found another use for this part. Normally used to cap off the 2nd 2" barbed vacuum port on top of a truckmount vacuum waste tank when not in use. Now just used to help decorate the thermometer.

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## Industry Standard Warranty:

One year parts on housing.

90 day parts on wear items will replace all wear parts for 90 days from the date of original purchase of new equipment. Wear parts are items which wear out as a result of usage or the passage of time and are consumed despite attempts to maintain them, such as gaskets, wheels, brass, cords, wires, electrical terminals, hoses, switches, thermostats, plastisol parts, filters, bearings, brushes, solenoids, o-rings, bulbs, heating elements, castors, or other parts deemed wear items in factory's sole discretion.

This warranty covers the cost of replacement only and does not cover shipping or labor costs.

## Optional

### Magnetic Clamp-On Water Softener Descaler for Truckmount & Portable Carpet Cleaning Machines 20260425

- Helps prevent scale buildup in pipes, coils, heaters, and carpet cleaning heat exchangers
- Reduces or eliminates routine monthly descaling in many applications
- Clamp-on installation &mdash; no cutting, plumbing, salt, chemicals, or cartridge replacement
- Maintenance-free design &mdash; no salt, resin, plastic pellets, filters, or media to flush
- Improves heat transfer efficiency by helping keep mineral buildup off heater surfaces
- May improve water flow / GPM by helping reduce mineral restriction over time
- Only 4 inches long for installation in tight areas on portable and truckmount equipment
- Longer Equipment lifespan

Add a professional look to carpet cleaning package, lets your customer know you care about their home.



Clean Storm Portable Extractor & Dehumidifier Drip Tray



*Availability: This product was added to our catalog on Sunday 06 February, 2005*

