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Congratulations on your purchase of a CFR Performa Series Cleaning Station. Read this entire manual before operating or servicing the Performa.

## **Unpacking your new Performa Series Cleaning Station**

The Performa Series Cleaning Station was thoroughly inspected, tested, and packaged to deliver the equipment in good operating condition. The freight carrier received and signed for the equipment in good condition. Damage can occur during shipping and to protect your interest, all cartons must be inspected for damage (including any concealed damage) that might have occurred during shipment. Any damage is the responsibility of the freight carrier and should be reported immediately to the carrier. It is your responsibility to issue a claim and to receive compensation from the freight carrier for any damage done in transit. Shipping damage is not warranted.

### **CAUTION**

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#### **Read All Instructions, Warnings and Cautions Before Using**

These guidelines are provided for your protection and convenience. Please read them carefully. If you have any questions regarding the use of your equipment call CFR Technical Service at 888.878.4190. Failure to adhere to instructions provided can potentially void any warranties. Precautions and safety warnings are provided for your protection. Failure to observe these warnings could result in personal injury and damage to the equipment. When using an electrical appliance, basic safety precautions should always be followed.

### **WARNING**

To avoid fire, do not use with a flammable or combustible liquid to clean floor.

## INTRODUCTION

The Performa Series cleaning stations are a mid-sized, self-contained, brush-assisted pull style, carpet cleaning system. Standard CFR hoses and tools can be connected to the Performa for difficult spots and stains, upholstery, wall panels, and other detailed work.

The Performa Series comes in three models: the Performa, the Performa Elite and the Performa OZ.

## IMPORTANT SAFETY INSTRUCTIONS

The Performa Series is intended for use only as described in this manual with recommended attachments and chemicals. Using the Performa in any manner not described in this manual can void the warranty. Use only manufacturer s recommended accessories.

### READ ALL INSTRUCTIONS BEFORE USING

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#### THIS PRODUCT IS INTENDED FOR COMMERCIAL USE ONLY

When using a electrical piece of equipment basic precautions should be followed, including the following:

**WARNING! To reduce the risk of electric shock, fire, or injury:**

1. Operators must read and understand this manual completely before operating the equipment.
2. Make sure all caution, warning, and instructional decals are in place and legible. Replace damaged or missing labels.
3. Do not leave unit when plugged in. Unplug from outlet when not in use and before servicing.
4. Connect to a proper grounded outlet only. *(See Grounding Instructions.)*
5. Do not use with damaged cord or plug.
6. Do not handle plug or unit with wet hands.
7. Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
8. Turn off all controls before unplugging.
9. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
10. Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
11. Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
12. Do not use without filters in place.
13. Use extra care when cleaning stairs.
14. Do not use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
15. Do not expose to rain. Store indoors.
16. If unit is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, take it to a local CFR service center.

## **GROUNDING INSTRUCTIONS**

This unit must be grounded. Grounding provides the path of least resistance for electric current, in the event of malfunction or breakdown, to reduce the risk of electric shock. This unit is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

**WARNING!** Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the appliance — if it will not fit the outlet; have a grounded outlet installed by a qualified electrician.

## **SET UP INSTRUCTION**

1. Fill out Warranty Card and return it to CFR.

### **Filter Installation**

<i>Inlet Basket</i>	Install inlet basket assembly into the tank opening. Dump and clean debris each time water is added and at the end of each cleaning job.
<i>Prefilter Screen Insert</i>	Install prefilter screen insert into Inlet Filter Basket. Dump and clean debris each time water is added and at the end of each cleaning job.
<i>Recycling Filter</i>	Install recycling filter by sliding it over filter frame (cage). After the filter is mounted on the filter frame, position this assembly over the filter mound in the tank and rotate the filter assembly 1/8 turn while pushing down on the filter assembly to seat. Rinse out and clean thoroughly at the end of each cleaning job.
<i>Pump Protection Filter</i>	There are two stainless steel strainer filters located at the bottom of the tank inside the recycling filter assembly. Remove both suction strainer filters at the end of each cleaning job and rinse thoroughly.
<i>In-Line Strainer</i>	<p>There is an In-Line Strainer mounted on the cleaning head to prevent the spray nozzles from clogging. The strainer should be opened to clean the stainless steel mesh filter at the end of each cleaning job. Replace the mesh filter if it will not come completely clean or if ends of filter become damaged and will not seat into strainer body properly. When reinstalling filter, hand tighten cover only.</p> <p>On the Performa Elite, the in-line strainer is located on the carpet tool. The strainer should be opened to clean the stainless steel mesh filter at the end of each cleaning job. Replace the mesh filter if it will not come completely clean or if ends of filter become damaged and will not seat into strainer body properly. When reinstalling filter, hand tighten cover only.</p>

## OPERATING INSTRUCTIONS

### Performa, Performa OZ (without Ozone) and Performa Elite

1. Check to make sure pump strainers and recycling filters are securely in place. The recycling filter (cage and filter) must be securely seated on the tank bottom. To properly seat the recycling filter, rotate the filter 1/8 turn while pushing down on the filter assembly.
2. Fill tank with water to the red indicator line on the recycling filter. This depth designates the 8 gallon fill level. Maximum water temperature to be used in 120° to 130°F (49° to 54°C)
3. Add in-tank cleaner per chemical label use instructions. In addition, pre-spraying is often desirable and will assist in producing the fastest and best cleaning results.
4. Install inlet filter screen and prefilter into top of tank.
5. Add 2 ounces of Defoam product to the inlet filter.
6. Close tank lid and attach tool head vacuum hose.
7. Plug power cord into 15 amp or larger wall outlet.
8. Follow the instructions for preparing the machine for cleaning.

#### *Performa*

- a) Lower agitator housing to the cleaning position. The agitator assembly will self adjust to the proper height of the carpet being cleaned. NOTE: The Performa may also be used without the agitator if desired. In this case, leave the agitator in the store position and make sure the prespray valve is turned to the closed position.
- b) Turn on power switches for agitator and vacuum one at a time to prevent a power surge. If agitator is not being used leave switch in the off position. NOTE: Agitator will not operate until fluid switch is depressed.

#### *Performa OZ (cleaning without Ozone)*

- a) Turn on vacuum power switch.
- b) To clean using the machine's tool head, the fluid switch must be on. The switch has 2 positions. Pressing the top portion on the switch will activate the spray momentarily and will turn off when the switch is released. By pressing the lower portion of the switch, the pump will run continuously.

#### *Performa Elite*

- a) Attach hose assembly to machine.
  - b) Connect fluid hose to the quick-disconnect found on the front of machine.
  - c) Attach desired tool to the valve end of the hose assembly. Clean surface with tool attached to hose assembly.
9. The Performa cleans as it is pulled toward the operator with the fluid switch depressed. The slower you pull the machine, the deeper the cleaning. If you move too fast, the machine may leave streaks. Cleaning passes should be overlapped by 3-4" to ensure optimum cleaning. Machine cleaning performance can be monitored visually through the tank lid.

10. During the cleaning process, the fluid level will be reduced and the lower level float switch will shut off the pump, when the fluid level drops below the float height or the recycling becomes clogged restricting the fluid from reaching the float switch. When the pump shuts off, drain and rinse the tank, rinse the recycling filter, refill with fresh water, cleaning chemical and CFR Defoam and continue cleaning **Caution:** When cleaning, monitor foam in the machine's tank. Areas that have been cleaned with other cleaning equipment of chemicals may cause excessive foam to collect in the tank. EXCESSIVE FOAM IN THE TANK MAY CAUSE VACUUM MOTOR FLOODING AND EQUIPMENT DAMAGE. If excessive foam is noticed in the tank pour 2 ounces of CFR Defoam directly into the tank or into the vacuum hose while the vacuum is running.

**CAUTION!** When cleaning, monitor foam in the machine's tank. Areas cleaned with other cleaning equipment or chemicals may cause excessive foam to collect in the tank.

**WARNING! EXCESSIVE FOAM IN THE TANK MAY CAUSE VACUUM MOTOR FLOODING AND MACHINE DAMAGE.**

When cleaning areas (carpets, upholstery) that have been cleaned previously with other cleaning equipment carefully monitor foaming in the solution tank. Pour one to two ounces of CFR Defoam directly into the tank or into the vacuum hose while the vacuum is running. Foam must be controlled to prevent vacuum flooding. Should vacuum flooding occur, foam and fluid will exit the vacuum exhaust muffler located at the bottom of the chassis. If flooding occurs, shut off pump, remove vacuum hose from machine, open tank cover, and let vacuum run for 3 - 5 minutes to clear foam and dry vacuum turbines. Add defoamer to tank, close cover, and start machine. If foam continues to cause flooding, empty machine and refill with fresh fluid, adding CFR Defoam before restarting.

Should streaking occur during cleaning, a plugged nozzle may be the cause. See instructions on clearing plugged nozzles in the Periodic Maintenance section.

When finished cleaning, perform the daily maintenance procedure. Be sure that all filters are cleaned thoroughly and replaced in machine. Leave cover open for drying.

## Performa OZ (with Ozone)

1. PERFORMA-OZ must be clean for system to work properly. Thoroughly clean inlet filters, nylon filter, and stainless steel inlet filters. Remove any scum of soils from the tank wall. Fill machine with clean water; turn on the Ozone System, vacuum, and the high pressure pump and run the machine for a few minutes to purge and dirty solution from the pump systems. Drain machine thoroughly. Make sure drain hose plug is tight.
2. Fill PERFORMA-OZ with clean water to the **bottom** of the red line on the nylon filter. Use warm water (between 80... and 120...F). Do not overfill since this will cause flooding of the vacuum. Maximum fill is 8 gallons. Add 8 ounces of OZ Clean.
3. Install inlet filter screen and prefilter into the top of tank. Install tank lid and attach tool head vacuum hose.
4. Turn on Ozone System and vacuum. Blue indicator light, on panel, will come on indicating that the ozone generator is working. **NOTE:** Vacuum must be on before ozone system will work. Allow Ozone System to run for 5 to 10 minutes before using the machine for cleaning to obtain best results.
5. To clean using the machine s tool head, the fluid switch must be on. The switch has 2 positions, pressing the top portion on the switch will activate the spray momentarily and will turn off when the switch is released. By pressing the lower portion of the switch the pump will run continuously. The PERFORMA-OZ cleans as it is pulled towards the operator with the fluid switch depressed. For best results, use machine at a speed of approximately 20 feet per minute.
6. Add DEFOAM only as necessary to control foam in tank. Generally, one capful of DEFOAM is sufficient. Do not add any other products to the PERFORMA-OZ system.
7. During the cleaning process, the fluid level will be reduced and the lower level float switch will shut off the pump, when the fluid level drops below the float height or the recycling becomes clogged restricting the fluid from reaching the float switch. When the pump shuts off, drain and rinse the tank, rinse the recycling filter, refill with fresh water, cleaning chemical and CFR Defoam and continue cleaning (refer to section 7.0 for proper filter installation and maintenance) **Caution:** When cleaning, monitor foam in the machine s tank. Areas that have been cleaned with other cleaning equipment of chemicals may cause excessive foam to collect in the tank. **EXCESSIVE FOAM TANK IN THE TANK MAY CAUSE VACUUM MOTOR FLOODING AND EQUIPMENT DAMAGE.** If excessive foam is noticed in the tank pour 1 ounce of CFR Defoam directly into the tank or into the vacuum hose while the vacuum is running.
8. When finished cleaning, perform the daily maintenance procedure. Be sure that all filters are cleaned thoroughly and replaced in the machine. Leave the cover open to air dry the interiors of the tank and prevent odors from forming. (Refer to section 7.0 for proper filter installation and maintenance.)

## TOOL USAGE

### Hose Assembly

Attach hose assembly to machine by attaching vacuum hose to the tank cover and the fluid hose to the quick coupler on the front of the machine. Mote: You will have to disconnect the fluid line that goes to the spray header to allow for installation of the accessory hose. Fluid and vacuum switches must be switched to the continuous run position. Fluid spray will then be controlled by the toggle valve on the hose assembly.

### Carpets

Place carpet wand on surface to be cleaned and move it at the rate of a slow walk. Apply cleaning fluid by pushing on the valve lever. When using carpet wands, cleaning fluid is applied on the forward stroke only. Use only enough downward pressure on the wands to move them effectively (push and pull stroke). Use of excessive downward pressure on the wands will decrease their efficiency. Always finish cleaning with a dry stroke (closed valve condition). It is very important to keep wands properly seated to the surface being cleaned to produce maximum cleaning effectiveness and minimum drying times. Multiple wet and dry strokes may be used on excessively soiled areas. Keep the inline strainer clean.

### Upholstery

Place combo tool on surface to be cleaned. Move (pull and push) combo tool at a rate of about one foot per second. Apply cleaning fluid on the pull stroke only. Overlap passes by about 1/4 inch. When cleaning upholstery edges, hold finger over part of tool to prevent over spray. Edges can also be cleaned by placing tool on edge of upholstery and moving it parallel to the edge. Use of excessive downward pressure on the surface will decrease the tool's efficiency. Always finish cleaning with a dry stroke (closed valve condition). It is very important to keep all tools properly seated to the surface being cleaned to produce maximum cleaning effectiveness and minimum drying times. Multiple wet and dry strokes maybe used on excessively soiled areas.

## MAINTENANCE

### Daily Maintenance

To maintain optimum performance the equipment, tools and filters should be cleaned after each use. Replace any filters that cannot be cleaned or are damaged. Nozzles that cannot be cleared should be discarded. Wipe down the equipment with a damp cloth to keep clean and preserve the appearance.

1. Tools and wands  
Rinse opening of tool with water to eliminate any debris. Wipe tool with damp cloth and store with head up to prevent clogging of nozzle.
2. Tool head  
Detach nozzle header (manifold) from the tool head, rinse with water and store with nozzle side up to prevent clogging until the next use.
3. Filters
  - Inlet Basket r*** Dump and clean debris at the end of each operation.
  - Prefilter Screen Insert***
  - Recycle Filter*** Remove the main filter, rinse out and clean thoroughly at the end of each operation.
  - Pump Protection Filter*** Rinse at the end of each operation.
  - In-Line Strainer Filter*** Disconnect the In-line Strainer Filter by using the quick disconnect coupler. Remove the filter and rinse with water. Remove any debris from the strainer. Keep o-ring and threads of the plug lubricated. CFR DeFoam is a good lubricant or use a non-petroleum based lubricant. This will ensure a tighter seal.
4. Tank  
Dump waste water and rinse inside of the tank with pump protection filter intact at the end of each operation. Failure to do this will cause a serious problem to the next operation(s).
5. Tip machine backward and clean dirt, lint and other debris out of brush opening and tool head vacuum opening as well as spray nozzle area. Also inspect stainless steel wear strip for damage.
6. Check power cord for any breaks, separations or cuts. Make sure the ground pin on the connector is intact or the machine will be unsafe.
7. Always store machine with the agitator raised in the store position and leave tank lid open to air dry and prevent odors.

**Periodic Maintenance**

1. Check power cord for any breaks, separations, or cuts. Make sure the ground pin on the connector is intact or the machine will be unsafe. Make sure the ground pin on all three prongs on the twist lock connector are intact.
2. Check for plugged nozzles when using tools. If streaking occurs during cleaning, a plugged nozzle may be the cause. A plugged or partially plugged nozzle can be identified by holding the tool 5-7" above the surface and checking for an even spray pattern. To clean a plugged nozzle, remove the nozzle and direct pressurized air backwards through the nozzle or backwash the nozzle with water. A convenient method is to insert the nozzle into a garden hose ball valve, tighten the ball valve to a faucet, and turn on the water. (CFR has ball valves available, part #7AX020). Inspect nozzle and repeat cleaning procedure, if necessary. Discard nozzles that cannot be cleared. Tool nozzles wear and must be replaced after 200-250 hours of use.
3. Inspect vacuum air inlet screen every two weeks. The cooling inlet screen is located inside the wheel/axle mounting channel on bottom of the machine. Keep the screen open.
4. Occasionally open side panel(s) and inspect hose and other connections for leaks. Repair or replace any leaking parts. Always disconnect power cord, before removing side panels.
5. It is very important to monitor machine operating hours for proper maintenance of the motors and pumps. After 700 hours of operation, the vacuum motor brushes should be inspected by an authorized repair station and replaced if worn (length is \_ inches or less). When replacing brushes, carefully insert brushes without crimping brush follower spring.
6. Check vacuum motor performance using a vacuum gauge (CFR #70412A). Place this gauge on the tank inlet fitting with the vacuum turned on. Water lift should be between 120 and 135 inches. If the reading is lower, check for air leaks in the tank, cover gasket, and drain hose.
7. Check pump performance occasionally against built-in pressure gauge.  
Pump running pressure should be  $200 \pm 10$  p.s.i. When pumping fluid through one #04 nozzle, the pressure should be  $150 \pm 20$  p.s.i.  
If the pumping pressure is outside of this range, check and clean the inlet filters to ensure the pump is getting enough fluid. If the pumping pressure is erratic, the pressure regulator should be rebuilt. After 500 hours, the pump valves should be replaced. After 500 hours of operation the pump cam bearing and plunger should be replaced. The pressure regulator should be rebuilt after 500 hours of operation.
7. Check drive belt and clutch/solenoid operation once a month. If wheel belts (part number 71607A) or clutch belt (part number 71606A) are worn, they should be replaced.
8. For extended storage or between uses in cold climates drain the system and flush pump with automobile windshield washer fluid. If the pump is frozen it can be severely damaged.
1. Inspect stainless steel wear strip on tool head monthly for wear or rough spots. Wear strip should be replaced if worn excessively, or if burrs or rough spots are found to prevent damage to carpet being treated.

**TROUBLE SHOOTING GUIDE**

<p><b>Vacuum or pump will not run</b></p>	<ul style="list-style-type: none"> <li>• Check that electrical cord is firmly seated in wall outlet.</li> <li>• Check and reset building circuit breaker if tripped.</li> <li>• Check GFCI on back of machine and reset if tripped.</li> </ul> <p>NOTE: GFCI and/or circuit breaker may trip if vacuum motor is flooded. Open tank cover and try to run vacuum motor for 10 minutes to dry vacuum motor. If the GFCI trips again, wait 5 minutes, reset and try vacuum again.</p> <ul style="list-style-type: none"> <li>• Check vacuum/pump switch. It should be in the on position.</li> <li>• Check upper float eyes or dots making sure they point up and the lower float eyes point down.</li> </ul>
<p><b>Trips building circuit breaker</b></p>	<ul style="list-style-type: none"> <li>• Circuit is overloaded — move cord to a different wall outlet.</li> <li>• If using an extension cord, make sure it is in good condition, less than 70 feet long and #10 gauge or heavier.</li> <li>• Check plug end twist lock connector, and cord for damage.</li> </ul>
<p><b>Vacuum won t run.</b></p>	<ul style="list-style-type: none"> <li>• <b>Check vacuum switch. It should be in the on position.</b></li> <li>• Check circuit breaker and reset if tripped.</li> </ul> <p>NOTE: GFCI and/or circuit breaker may trip if vacuum motor is flooded. Open tank cover and try to run vacuum motor for 10 minutes to dry vacuum motor. If the GFCI trips again, wait 5 minutes, reset and try vacuum again.</p> <ul style="list-style-type: none"> <li>• Check upper float — eyes or dots on white float must point up. Move float up and down to see if vacuum will turn on. Water level must be below upper float. Float must be in the lowest position.</li> </ul>
<p><b>Pump won t run</b></p>	<ul style="list-style-type: none"> <li>• Check pump switch — it should be in the on position.</li> <li>• Check pump circuit breaker (5 amp) and reset if tripped.</li> <li>• Check fluid level must have at least 4 gallons in tank.</li> <li>• Check ultra filter. If dirty, drain and flush tank and remove and clean filter.</li> <li>• Check lower float — eyes or dots on white float must point down. Move float up and down to see if vacuum will turn vacuum on. Move float up and down to see if pump will turn on. Clean if sticking. Float must be in highest position (floating) for pump to operate.</li> </ul>
<p><b>Pump tries to run and then blows circuit breaker</b></p>	<ul style="list-style-type: none"> <li>• Check power cord for frayed, cut or worn spots and twist lock connector for signs of overheating.</li> <li>• If using an extension cord, ,make sure it is in good condition, less than 70 feet long and #10 gauge or heavier.</li> <li>• Check pump static PSI — must be 400 psi or less</li> <li>• Check wall outlet voltage. If below 105 volts, pump will not work.</li> </ul>
<p><b>Pump starts and stops</b></p>	<ul style="list-style-type: none"> <li>• Check for dirty Main Filter. Water level should be the same inside and outside of filter.</li> <li>• Check for sticking pump float.</li> <li>• Check fluid level — must have at least 4 gallons in tank.</li> </ul>
<p><b>Water dripping from bottom of machine exhaust.</b></p>	<ul style="list-style-type: none"> <li>• Check machine for excess foaming. Add CFR Defoam to tool hose and tank. Open machine top cover and let vacuum run for 10 minutes to dry out vacuum motor, then close lid and resume cleaning.</li> <li>• Check drain hose plug;. It must be securely fastened to prevent air leaks to vacuum causing vacuum flooding. Hose will vibrate if there is an air leak.</li> </ul>
<p><b>Head Assembly leaks</b></p>	<ul style="list-style-type: none"> <li>• Leave vacuum running for 1 minute when finished cleaning to clear hose.</li> <li>• Check for holes/breaks in vacuum hose.</li> <li>• Make sure the inline strainer is properly tightened and fluid hose connectors are fully seated.</li> </ul>

**TROUBLE SHOOTING GUIDE**

<p><b>Carpet too wet.</b></p>	<ul style="list-style-type: none"> <li>• <b>NOTE:</b> CFR floor tool is used in forward direction only.</li> <li>• Check carpet tool position — head must be completely seated on carpet to provide good drying times.</li> <li>• Check tool and hose for any obstructions.</li> <li>• Check lid cover sealing properly. Is filter case properly seated in tank? Is lid gasket in good shape with no cuts, cracks, or worn/compressed areas?</li> <li>• Check for cracks in lid cover.</li> <li>• Check drain hose and fittings for cracks and tears. Make sure drain plug is securely fastened. Hose will vibrate if there is an air leak.</li> <li>• Verify inlet filter knob is securely fastened to tank.</li> <li>• Check tool hose for holes, cracks, or cuts.</li> <li>• Check hose cuffs — must seat firmly on tank fitting and tool.</li> <li>• Check water dripping from bottom of machine exhaust. If present, check machine for excess foaming.</li> <li>• Verify that cleaning head spray bar is fully seated.</li> <li>• Check carpet installation. Some carpets are installed on uneven surfaces with ridges and bumps. It is difficult to get good drying times with this type of installation.</li> </ul>
<p><b>Streaks on carpet</b></p>	<ul style="list-style-type: none"> <li>• Check tool and hose for obstructions.</li> <li>• Check and clean inline strainer filter.</li> <li>• Check and clean main cloth ultra filter.</li> <li>• Check nozzles for full spray. Clean if clogged or replace if worn.</li> <li>• Check pump pressure drop while cleaning. Should not drop more than 100 p.s.i. Make sure air is out of system by re-priming pump. If there is still a problem, remove and clean ball shaped strainer screens.</li> <li>• Make sure strokes overlap a minimum of 3 inches.</li> <li>• Check CFR chemical usage instructions for proper application.</li> <li>• Multiple cleanings may be needed to clean deeply imbedded dirt that is pulled to the surface by CFR's deep cleaning technology. Offset cleaning passes by 6 inches.</li> </ul>
<p><b>No fluid from cleaning head</b></p>	<ul style="list-style-type: none"> <li>• Check that prime switch is in off position.</li> <li>• Check and clean inline strainer</li> </ul>
<p><b>No agitator action</b></p>	<ul style="list-style-type: none"> <li>• Verify agitator switch in on position and pump motor is running.</li> <li>• Check agitator circuit breaker — reset if tripped.</li> <li>• Check agitator height adjustment — agitator must lightly contact carpet.</li> <li>• Check agitator brush for carpet strands, string, or other foreign objects which restrict the brush motion.</li> </ul>
<p><b>Noisy agitator</b></p>	<ul style="list-style-type: none"> <li>• Check agitator brush height adjustment — brush may be too low. Check carpet — some carpets are difficult to brush and require higher brush height setting.</li> <li>• Check agitator brush for carpet strands, string, or other foreign objects which restrict the brush rotation.</li> </ul>
<p><b>No or poor agitator spray</b></p>	<ul style="list-style-type: none"> <li>• Check prespray valve is opened _ way</li> <li>• Check and clean in-line strainer.</li> <li>• Check nozzle for full spray. Clean if clogged or replace if worn.</li> </ul>

**SPECIFICATIONS — Performa**

Power Cord	One 50 (15.24m) cord, 14 ga, 3 wire, molded end plug
Voltage	115 volts AC, 60 Hz — 230 Volts AC, 50 Hz
Amps	15 amps with brush/ 13.8 without brush
Tank	Volume 8 gallons (30.28 liters)
Fill Level	Fill to red indicator line on recycling filter
Vacuum	3 stage with 135 inches of water lift
Pump Motor	AC motor
Pump	Plunger type 200 PSI .89GPM
Float Switch	Low level float switch for pump shut off
Dry Weight	102 lbs. (46.3 kilos)
Height	35.5 (90.17 cm) with handle at highest position
Machine Width	15 (38.1 cm)
Tool Head Width	15 (38.1 cm)
Length	36 (91.44 cm)
Wheels	12 (30.48 cm) Non marking wheels
Body	Rotationally molded polyethylene
Machine Handle	Rotationally molded polyethylene, two position adjustable height
Filters	Five filters are used: Inlet filter, prefilter insert, recycling filter, pump strainer filters, in-line strainer
Agitator Brush Dimensions	11.5 length (29.21 cm) 3 diameter (7.62 cm)
Agitator Brush Style	Belt driven Herringbone style-Nylon brush
Circuit Breaker	One 15 Amp circuit breaker
Spray Nozzles	3 stainless steel nozzles on tool head, 1 stainless steel nozzle for prespray

**SPECIFICATIONS — Performa OZ**

Power Cord	One 50 (15.24m) cord, 14 ga, 3 wire, molded end plug
Voltage	115 volts AC, 60 Hz
Amps	15 amps with ozone/ 14 amps without ozone
Tank	Volume 8 gallons (30.28 liters)
Fill Level	Fill to red indicator line on recycling filter
Vacuum	3 stage with 130 inches of water lift
Pump Motor	AC motor
Pump	Plunger type 200 PSI .89GPM
Float Switch	Low level float switch for pump shut off
Dry Weight	105 lbs. (47.7 kg)
Height	35.5 (90.17 cm) with handle at highest position
Machine Width	15 (38.1 cm)
Length	15 (38.1 cm)
Wheels	36 (91.44 cm)
Casters	12 (30.48 cm) Non marking wheels
Body	Rotationally molded polyethylene
Machine Handle	Rotationally molded polyethylene, two position adjustable height
Filters	Five filters are used: Inlet filter, prefilter insert, recycling filter, pump strainer filters, in-line strainer
Circuit Breaker.	One 15 amp circuit breaker
Spray Nozzles	3 stainless steel nozzles on tool head

**SPECIFICATIONS — Performa OZ 230 Volts**

Power Cord	One 50 (15.24m) cord, 14 ga, 3 wire, molded end plug
Voltage	115 volts AC, 60 Hz
Amps	8 amps with ozone/ 7.5 amps without ozone
Tank	Volume 8 gallons (30.28 liters)
Fill Level	Fill to red indicator line on recycling filter
Vacuum	3 stage with 130 inches of water lift
Pump Motor	AC motor
Pump	Plunger type 200 PSI .89GPM
Float Switch	Low level float switch for pump shut off
Dry Weight	102 lbs. (46.3 kilos)
Height	35.5 (90.17 cm) with handle at highest position
Machine Width	15 (38.1 cm)
Length	36 (91.44 cm)
Wheels	12 (30.48 cm) Non marking wheels
Casters	4 (10.1 cm) Non marking casters
Body	Rotationally molded polyethylene
Machine Handle	Rotationally molded polyethylene, two position adjustable height
Filters	Five filters are used: Inlet filter, prefilter insert, recycling filter, pump strainer filters, in-line strainer
Circuit Breaker	One 8 amp circuit breaker
Spray Nozzles	3 stainless steel nozzles on tool head

**SPECIFICATIONS — Performa Elite 115 V 60 HZ**

Power Cord	One 50 (15.24m) cord, 14 ga, 3 wire, molded end plug
Voltage	115 volts AC, 60 Hz
Amps	14 amps
Tank	Volume 8 gallons (30.28 liters) Rotationally molded polyethylene (LLPE)
Fill Level	Fill to red indicator line on recycling filter
Vacuum	3 stage with 135 inches of water lift
Pump Motor	AC motor _ hp
Pump	Plunger type 200 PSI .89GPM
Float Switch	Low level float switch for pump shut off
Dry Weight	94 lbs. (42.9 kilos)
Height	36.1 (91.7 cm)
Machine Width	14.5 (36.8 cm)
Length	35.3 (89.1 cm)
Wheels	12 (30.48 cm) Non marking wheels
Casters	4 (10.1 cm) Non marking casters
Body	Rotationally molded polyethylene
Machine Handle	Rotationally molded polyethylene, two position adjustable height
Filters	Five filters are used: Inlet filter, prefilter insert, recycling filter, pump strainer filters, in-line strainer
Circuit Breaker	One 15 amp circuit breaker
Spray Nozzles	3 stainless steel nozzles on tool head

**SPECIFICATIONS — Performa Elite 115 V 400 HZ**

Power Cord	One 50 (15.24m) cord, 14 ga, 3 wire, molded end plug
Voltage	115 volts AC, 400 Hz
Amps	14 amps
Tank	Volume 8 gallons (30.28 liters) Rotationally molded polyethylene (LLPE)
Fill Level	Fill to red indicator line on recycling filter
Vacuum	3 stage with 135 inches of water lift
Pump Motor	AC motor _ hp
Pump	Plunger type 200 PSI .89GPM
Float Switch	Low level float switch for pump shut off
Dry Weight	94 lbs. (42.9 kilos)
Height	36.1 (91.7 cm)
Machine Width	14.5 (36.8 cm)
Length	35.3 (89.1 cm)
Wheels	12 (30.48 cm) Non marking wheels
Casters	4 (10.1 cm) Non marking casters
Body	Rotationally molded polyethylene
Machine Handle	Rotationally molded polyethylene, two position adjustable height
Filters	Five filters are used: Inlet filter, prefilter insert, recycling filter, pump strainer filters, in-line strainer
Circuit Breaker	One 8 amp circuit breaker
Spray Nozzles	3 stainless steel nozzles on tool head

## **WARRANTY**

CFR, a Tacony company, warrants new products manufactured and sold under the name CFR to be free from defects in materials and workmanship under normal use and service. CFR's obligation under this warranty is limited to repairing or replacing, at our option, such products or parts which are returned to our factory authorized service center, freight prepaid, within the warranty period and are found to be defective in materials or workmanship. For rotationally molded polyethylene housings and aluminum frames and chassis this warranty expires 60 months from the date of registration; if the warranty is not registered, it expires 60 months from the factory shipment date. For all other components, with the exception of wear items (i.e. filter, nozzles, etc.) this warranty expires 12 months from the date of registration on the warranty. If not registered, it expires 12 months from the factory shipment date. For hoses, tools, and other attachments manufactured and sold by CFR, this warranty expires 12 months from factory shipment date. Parts replaced or repaired under warranty are guaranteed for the remainder of the original warranty period. Replacement parts that have become defective through wear or abuse are not included in this warranty. CFR will pay service labor to the distributor or authorized service repair center per the warranty flat rate schedule. Service labor will be paid for two years on all warranted polyethylene housings, aluminum frames and chassis, and one year on all other warranted components.

CFR systems are designed for use only with specially formulated CFR Recyclable Cleaning Chemicals. Use of any other chemical in CFR systems may cause damage to the pump, motor and other components and may void the warranty.

This warranty shall cease to be in effect if repairs, replacements or alternations are made by the purchaser or any non-authorized service station. This warranty does not apply to damage caused by misuse, abuse, or negligence of the buyer or third party, or damage due to transportation of product.

CFR MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATIONS, ANY WARRANTIES OF FITNESS OR MERCHANTABILITY, EXCEPT AS EXPRESSLY SET FORTH ABOVE WITH RESPECT TO SUCH PRODUCTS OR PARTS THEREIN. NOR SHALL CFR HAVE INCURRED ANY OTHER OBLIGATIONS OR LIABILITIES ON ITS PART OR BE LIABLE FOR ANY ANTICIPATED OR LOST PROFITS, INCIDENTAL DAMAGES, CONSEQUENTIAL DAMAGES, TIME CHARGES OR ANY OTHER LOSSES INCURRED IN CONNECTION WITH THE PURCHASE, INSTALLATION, REPLACEMENT OR REPAIR OF SUCH PRODUCTS OR ANY PARTS THEREIN WHETHER ORIGINAL EQUIPMENT OR INSTALLED AS A REPLACEMENT, COVERED BY THIS WARRANTY OR OTHERWISE; AND CFR DOES NOT AUTHORIZE ANY PERSON TO ASSUME FOR CFR ANY OTHER LIABILITY IN CONNECTION WITH THE PRODUCTS OR PARTS THEREIN.