



# Perfect Heat, Pro 500 and Pro 750 Series

## INSTRUCTION MANUAL



Read all instructions before using this machine.

### **IMPORTANT SAFETY INSTRUCTIONS**

This manual is to ensure that the CFR Pro Series is operated correctly.  
All operators must read, understand and practice the following safety instructions.

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## INTRODUCTION

Congratulations on your purchase of a CFR Pro 500/750. Read this entire manual before operating or servicing the .

Please complete and return the enclosed warranty card.

## Parts and Service

The Paramount is covered by CFR's Preventative Maintenance Program which is designed to maintain the Paramount on a quarterly basis. The program focuses on: inspecting the equipment, replacing covered parts as required, and identifying potential situations where a more in-depth service or training may be required.

If service is required, it must be performed by an authorized CFR repair center. Contact your local dealer or call 1.800.533.2557 for the location of a repair center.

## Serial Number

The serial number of the machine is located on the name-plate, located next to power switch. This information is needed when ordering parts or scheduling repairs. Fill in the information below for future reference:

Serial Number \_\_\_\_\_

Part Number \_\_\_\_\_

Purchase Date \_\_\_\_\_

## UNPACKING INSTRUCTIONS

Your Pro 500/750 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

### 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 800.533.2557 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.

## IMPORTANT SAFETY INSTRUCTIONS

The Pro 500/750 is intended for use only as described in this manual. Using the equipment in any manner not described in this manual can void the warranty. Use only manufacturer's recommended accessories.

### READ ALL INSTRUCTIONS BEFORE USING

### 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

### Filter Installation

There are three filters in the Pro 500/750: inlet filter, main filter and pump protection filter. It is imperative to the efficient operation of the Pro 500/750 that the filters are installed properly.

**Pump Protection Filter** – Position on brass fitting on the filter mound. Slide it down.

**Main Filter** – Wet the rim of the filter and position it on the filter mound. (white plastic disc) Twist and slide over the mound by pushing downward.

**Inlet Filter** – Position on top of the tank.

## OPERATING INSTRUCTIONS

1. Remove lid and inlet filter.
2. Check main filter. Make sure the main filter is installed snugly.
3. Fill tank with water to a desired level. Use solution level gauge. Maximum water temperature to be used is 120 to 130 degrees F.
4. Add CFR 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. See chemical product labels for more information. Note: Use caution when moving machine (especially on inclines) with fluid in the tank to prevent fluid from entering vacuum standpipe at back of machine tank and flooding the vacuum.  
**CFR chemicals have been specifically formulated to work with this machine.**
5. Prime pump by re-circulating fluid through priming hose included for 15/30 seconds. Re-circulating the fluid primes the pump and expels trapped air from the system.
6. Replace inlet filter and lid
7. Attach hose assembly to machine. Connect fluid hose to the quick-disconnect found on the front of machine.
8. Attach the desired tool to the valve end of the hose assembly.
9. Close tank cover lid, turn on vacuum and pump switches.

10. Clean surface with tool attached to hose assembly.
11. During the cleaning process, the fluid level will be reduced and the lower level float switch will shut off the pump. When the pump shuts off, drain and rinse tank, rinse main filter, refill with fresh water and cleaning chemical, and continue cleaning.

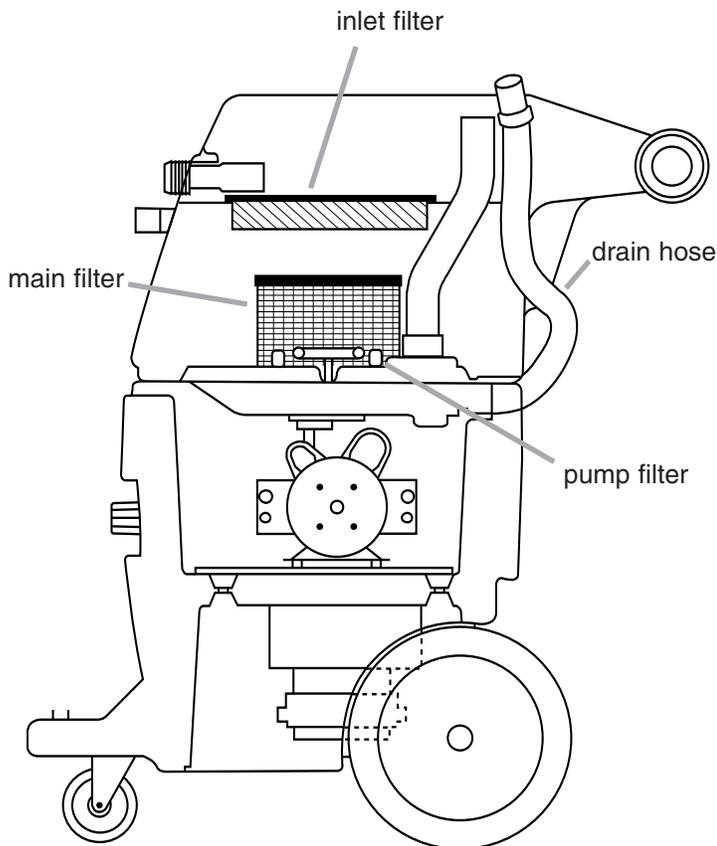


**CAUTION!** When cleaning, monitor foam in the machine's tank. Areas cleaned with other cleaning equipment or chemicals may cause excessive foam to collect in the tank.



**WARNING!** EXCESSIVE FOAM IN THE TANK MAY CAUSE VACUUM MOTOR FLOODING AND MACHINE DAMAGE. Pour one to two ounces of CFR Defoam directly into the tank or into the vacuum hose while the vacuum is running. **CFR Defoamer has been specially formulated to work with this machine.**

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



## Perfect Heat System



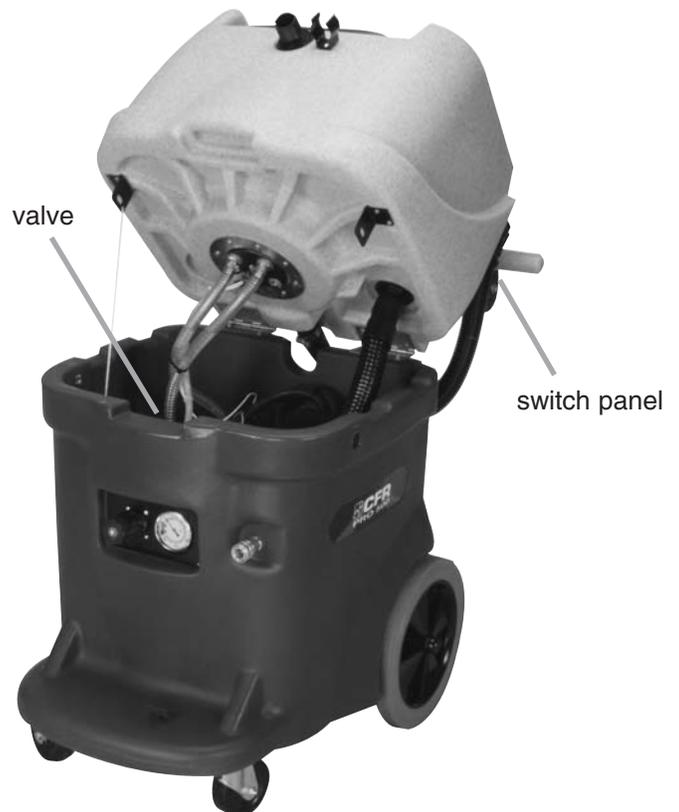
**WARNING!** The Perfect Heat™ Plus System can produce very hot water that could damage some delicate fabrics and fibers. Please ensure the surface being cleaned will not be damaged by hot water up to 200 degrees Fahrenheit.

This machine is equipped with the Perfect Heat™ Plus System for heating the cleaning solution. This system uses a combination of the patent pending Perfect Heat™ coils and an inline electrical heater.

### Operation:

1. Follow operating instructions steps for filling the machine with water and cleaning solution.
2. Turn on electrical heater, switch is located on panel.
3. Pre-heat machine for 5-10 minutes before use.

**NOTE:** There is a valve in the upper compartment that either sends the water through the heating components, or bypasses them. The machine is preset in the "HOT" position. To clean with cold water, turn the valve to "COLD" or UP position. This should be done prior to filling the tank with water. For general cleaning, it is recommended leaving the valve in the "HOT" or down position and cleaning with hot water.



## 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.

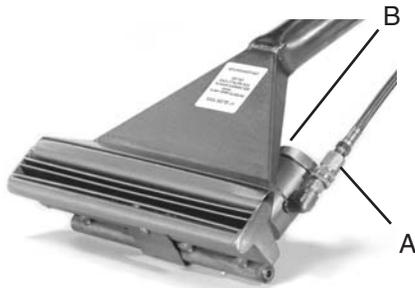
#### 1. Wands and Tools

Rinse opening of tool with water to eliminate any debris.

Wand only – open and clean in-line strainer.

- A. Disconnect the In-line Strainer by using the quick disconnect coupler.
- B. Remove the filter and rinse with water.
- C. Remove any debris from the strainer.
- D. 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.

Wipe tool with damp cloth and store with head up to prevent clogging of nozzle.



#### 2. Filters

**In-Line Strainer Filter** – Disconnect the In-line Strainer Filter on the wand 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.

**Inlet Filter** – Remove the inlet filter. Dump and clean debris at the end of each cleaning job.

**Main Filter** – Remove the main filter sleeve and rinse out and clean thoroughly.

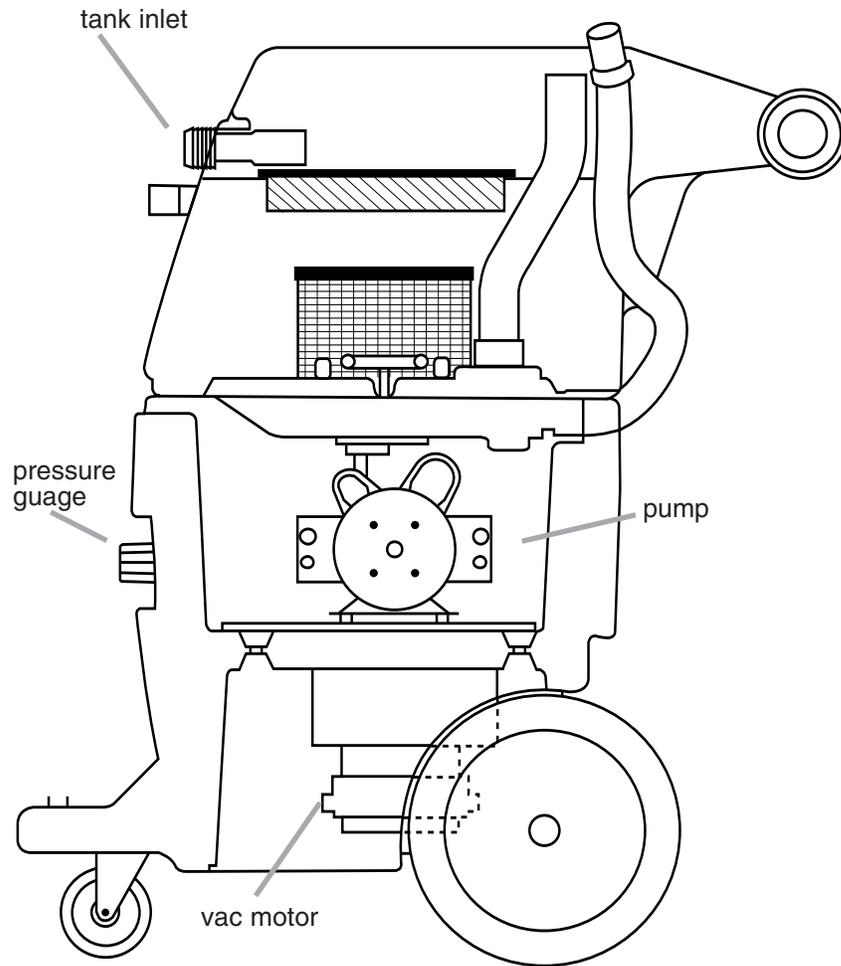
**Pump Protection Filter** – This ball-shaped filter should be in place when the tank is cleaned and rinsed. Remove and rinse only after the tank is rinsed.

### 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. Occasionally open the base and inspect hose and other connections for leaks. Repair or replace any leaking parts. Always disconnect power cord, before removing side panels.

### Periodic Maintenance

4. 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 .5 inches or less).
5. Check vacuum motor performance using a vacuum gauge. Place this gauge on the tank inlet fitting with the vacuum turned on. Water lift should be between 135 and 150 inches. If the reading is lower, check for air leaks in the tank, cover gasket, and drain hose.
6. Check pump performance occasionally against built-in pressure gauge. Pump running pressure on the Pro 500 should be 500 + 10 p.s.i, Pro 750 should be 750+ 15 p.s.i. If the pumping pressure is outside of this range, call your dealer or authorized station. After 400 hours, the pump valves should be replaced. After 700 hours of operation the pump cam bearing and plunger should be replaced. The pressure regulator should be rebuilt after 400 hours of operation.



**SPECIFICATIONS - Pro 500**

Power Cord . . . . . One Cord, 12 Ga, 3 Wire, Molded End Plug  
 Voltage . . . . . 115/120 volts AC, 60 HZ  
 Vacuum Motor . . . . . 1' amps  
 Pump Motor . . . . . 3 amps  
 Tank Volume . . . . . 15 gallons max  
 Fill Level . . . . . 1" below the bottom of the Inlet filter.  
 Vacuum Motor . . . . . (2) 2 stage with 150" water lift  
 Pump Motor . . . . . 1/2 hp AC motor  
 Pump . . . . . plunger type; 0 to 500 psi.  
 Weight . . . . . 124 lbs.  
 Height . . . . . 41"  
 Width . . . . . 29"  
 Length . . . . . 22"  
 Wheels . . . . . non-marking wheels  
 Casters . . . . . non-marking wheels  
 Body . . . . . rotomolded polyethelene  
 Filters . . . . . three filters: inlet filter, main filter, and pump protection filter.  
 Circuit Breakers: Overload circuit breakers are placed in both the pump and vacuum circuits to protect against unusually heavy current (ampere) loads. If either breaker trips, the pump motor or vacuum motor is overloaded.

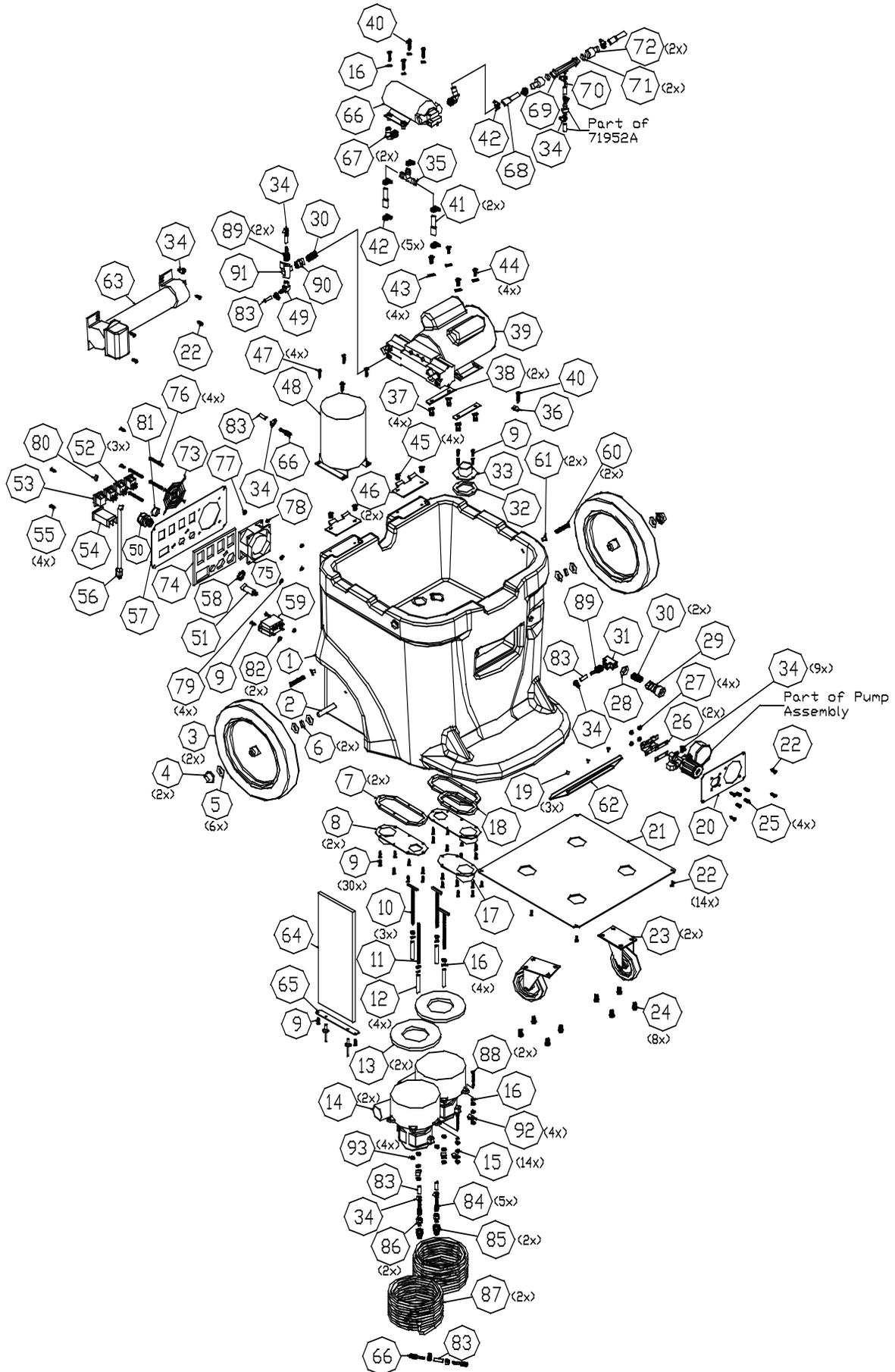
**SPECIFICATIONS - Pro 750**

Power Cord . . . . . One Cord, 12 Ga, 3 Wire, Molded End Plug  
 Voltage . . . . . 115/120 volts AC, 60 HZ  
 Vacuum Motor . . . . . .5.4 amps  
 Pump Motor . . . . . .3 amps  
 Tank Volume . . . . . 15 gallons max  
 Fill Level . . . . . 1" below the bottom of the Inlet filter.  
 Vacuum Motor . . . . . .3 stage with 135" of maximum water lift  
 Pump Motor . . . . . 1/2 hp AC motor  
 Pump . . . . . plunger type; 0 to 750 psi.  
 Weight . . . . . 128 lbs.  
 Height . . . . . 41"  
 Width . . . . . 29"  
 Length . . . . . 22"  
 Wheels . . . . . non-marking wheels  
 Casters . . . . . non-marking wheels  
 Body . . . . . rotomolded polyethelene  
 Filters . . . . . three filters: inlet filter, main filter, and pump protection filter.  
 Circuit Breakers: Overload circuit breakers are placed in both the pump and vacuum circuits to protect against unusually heavy current (ampere) loads. If either breaker trips, the pump motor or vacuum motor is overloaded.

## TROUBLE SHOOTING GUIDE

Vacuum or pump will not run	<p>Check that electrical cord is firmly seated in wall outlet.            Check and reset building circuit breaker if tripped.            Check vacuum/pump switch. It should be in the “on” position.</p>
Trips building circuit breaker	<p>Circuit is overloaded – move cord to a different wall outlet.            If using an additional extension cord, make sure it is in good condition, less than 70 feet long and #10 gauge or heavier.            Check plug end and cord for damage.</p>
Vacuum won't run.	<p>Check vacuum switch. It should be in the “on” position.            Check fuses and replace if tripped. (located on base of machine)</p>
Pump won't run	<p>Check pump switch – it should be in the “on” position.            Check pump circuit breaker (5 amp) and reset if tripped.            Check fluid level, must have at least 5 gallons in tank.            Check fluid level inside of Main Filter Cage – pump float must be at highest position to operate.            If fluid is lower inside filter, drain tank and remove and clean filter.</p>
Pump tries to run and then blows circuit breaker	<p>Check power cord for frayed, cut or worn spots.            If using an extension cord, make sure it is in good condition, less than 70 feet long and #10 gauge or heavier.            Check pump static PSI – must be 400 psi or less            Check wall outlet voltage. If below 105 volts, pump will not work.</p>
Pump starts and stops	<p>Check for dirty Main Filter. Water level should be the same inside and outside of filter.            Check for sticking pump float.            Check fluid level – must have at least 5 gallons in tank.</p>
Water dripping from bottom of machine exhaust.	<p>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.</p>
Vacuum hose or tool leaks.	<p>Leave vacuum running for 1 minute when finished cleaning to clear hose.            Check for holes/breaks in vacuum hose.            Make sure the inline strainer is properly tightened and fluid hose connectors are fully seated.</p>
Carpet too wet.	<p>NOTE: CFR floor tool is used in forward direction only.            Check carpet tool position – head must be completely “seated” on carpet to provide good drying times.            Check tool and hose for any obstructions.            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?            Check for cracks in lid cover.            Check drain hose and fittings for cracks and tears.            Check tool hose for holes, cracks, or cuts.            Check hose cuffs – must seat firmly on tank fitting and tool.            Check water dripping from bottom of machine exhaust. If present, check machine for excess foaming.            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.</p>
Streaks on carpet.	<p>Check tool and hose for obstructions.            Check and clean inline strainer filter.            Check and clean main filter.            Check and clean stainless back flush filter screen inside tank.            Check nozzles for full spray. Clean if clogged or replace if worn.            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 back flush filter screen.            Make sure strokes overlap a minimum of 3 inches.            Check CFR chemical usage instructions for proper application.            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.</p>
Excessive pressure drop when cleaning. (exceeds 100 p.s.i.)	<p>Adjust static pressure to 500/750 p.s.i. when not cleaning.            Check and clean main filter and inner stainless back flush filter.            Check and replace worn spray nozzles and loose or leaking fittings on hose.            Purge excess air from pumping system using hose with no nozzle or priming hose.</p>

# Base Assembly

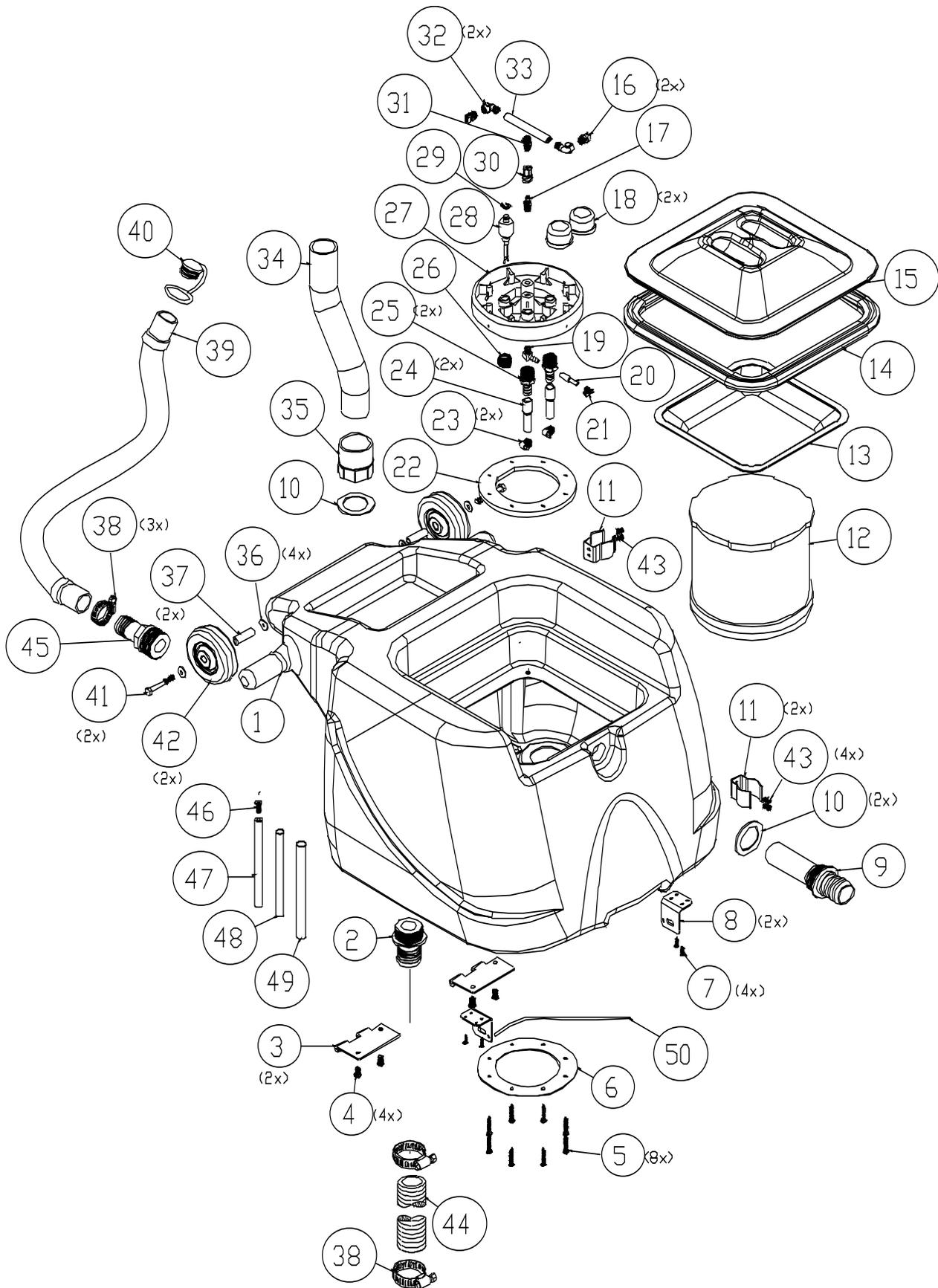


## Base Assembly

Ref #	Part #	Description
1	72620AM	Base, PFX1350, Maroon
2	72633A	Axle, 23.375" Long
3	X9066+	Wheel, 12" x 1.75" Non-Marking
4	7GL002	Push Nut, 1/ 2"
5	7CM007	Washer, 1/ 2 USS Flat, 18-8 SS
6	72635A	Spacer, 1/ 2" ID x 3/ 4" OD x 1/ 4" Long
7	72640A	Gasket, Vac Manifold, Long
8	72623A	Cover, Vacuum manifold
9	7CW002	Screw, #6 x 3/ 4 Phil Pan TS, Type A 18-8 SS
10	X9204+	Rod, 10-24, "T" Bolt
11	72000A	Rod, 3/16 x 5-1/2, All Thread Stud, 18-8 SS
12	72651A	Spacer, VAC Motor, 2.375"
13	70020B	Gasket, Vacuum Motor Seal
14	1942-C	Vacuum Motor, 115VAC, 2 – satage
	72365A	Vacuum Motor, 3 stage, 120V For Pro 750
	72611A	Vacuum Motor, 3 stage, 230V, 5.7IN
15	7BF003	Nut, Kep, #10-24 Zinc
16	7CM003	Washer, #10 USS Flat, 18-8 SS
17	72624A	Cover, Vacuum manifold, Shor
	72630A	Cover, Vacuum manifold, Flat
18	72641A	Gasket, Vac manifold, Short
19	72662A	Screw, #10 x 1/ 2", Flat Phill SM, Black
20	72638A	Pressure regulator plate
21	72636A	Cover Plate, Bottom
22	72388A	Screw, #10 x 5/8, Tap phil, SS pan Head
23	PX65	Caster, 4" Black
24	7DT001	Screw, 5/16-18 x 5/8, Hex Tap Zinc
25	X8851	Screw, 10-32 x 1' Phil, Pan MS, Black, Zinc
26	72639A	Gasket, mounting pressure regulator
27	7BF008	Nut, kep, 10-32 Zinc
28	X8239	Washer, 1/ 2 USS Flat Zinc
29	PX6	1/ 4 x 1/ 4 Female Quick disconnect, Brass
30	7CX002	Nipple, Hex 1/ 4 MPT
31	7AV001	Tee, Union, 1/ 4 NPT
32	72642A	Gasket, Vac manifold, Circle
33	72625A	Cover, Vacuum manifold, Circle
34	7DL003	Clamp, Hose 1/ 4"
35	71521A	Tee, barb, 1/ 2" x 1/ 2"
36	X9069	End Loop, SS, w / 2 holes, 16G
37	X8848	Jacknut, 1/ 4 -20 Steel, #8 LJN
38	7GF033	Pad, Motor mount
	72667A	Washer, Rubber, 29 ID, .688OD, .093THK
39	72643A	Pump Assembly, 500 PSI
	72644A	Pump Assembly, 750 PSI, .140 CAM
40	71644A	Screw, #10 x 1 Phil Pan TS, 18-8 SS
41	70079C	Hose, 1/ 4" Wire Reinforced
42	7DL008	Clamp, 1/ 4" Worm Gear, SS, Hex Slot, Phil HD
43	X8235	Washer, 1/ 4 Flat USS Zinc
44	7EW001	Screw, 1/ 4-20 x 3/ 4" Phil pan MS SS
45	7BS003	Screw, 1/ 4-20 x 1/ 2, Phil, pan, MS 18-8 SS
46	X9014	Hinge
47	72020A	Screw, #12 x 1", Self tap, PHMS, Zinc
48	PF1750	Heater Unit, 1750 Watts
	PF1750-2	Heater unit, 220V

Ref #	Part #	Description
49	PX212	Fitting, Brass, 90 degree elbow, 1/ 4 NPTM
50	PD8	Strain Relief, 1/ 2" NPT
51	7FC010	Circuit Breaker, 8A
	71653A	Circuit Breaker, 10A
	72710B	Circuit Breaker magnetic, 5A
53	X9173	Hole plug, Switch Hole
54	72411A	Hour meter, AC
	71544A	Hour meter, 230V
55	72387A	Screw, #8 x 5/8, Black, Tap Phil, Pan Head
56	PX112	Pigtail, Black, 12/3 SJT x 39" Long
57	72632B	Switch Panel, With fan
	72715A	Switch Panel, Perfect Heat (no fan)
58	X8008N	Nut, Lock, 1/ 2" Steel Conduit
59	71379A	Relay, 25A, 120V
	71379B	Relay, 240V
60	72684A	Screw, 1/ 4-20 x 2-1/2 Phil, Pan
61	72665A	Insert, Tee Nut, 1/ 4 -20 Thread
62	72661A	Wand Holder
63	71952A	Convertor Kit, OZ Long
	71953A	Convertor Kit, OZ Long, 230V
64	71716AP	carbon Filter
65	72698A	Cover, Carbon Filter, Pro Series
66	X9179	Pump motor, 100 PSI, 115V
67	71775A	Elbow, 1/ 2" Hose x 3/8" NPT, 90deg Plastic
68	7GG003	Hose A/S Braided
69	71570A	Injector, ozone
70	71810A	Hose, Clear, tygon, 1/8" ID x 1/ 4" OD
71	71629A	O-ring, Shaft end pulley
72	71999A	Barb Hose, 1/2H
73	72702A	Cover, Fan
74	72699A	Foam, Switch panel
	72718A	Foam, Switch Panel , Pro 400
75	72700A	Fan, Cooling, 115V, 92mm, 35CFM
	72701A	Fan, Cooling, 230V, 92mm, 50CFM
76	72703A	Screw, 8-32 x 2" L, phil, Pan MS, Zinc
77	71743A	Screw, 8-32 x3/16" PHMS
78	7CY006	Washer #8 Internal Tooth Lock, 18-8 SS
79	X8260+	Nut, 8-32 Lock w/ Nylon Insert
80	71804A	Plug, 1/ 2" Hole, Black Nylon
81	72142A	Plug, 7/8" black nylon
82	X8256	Mut, 8-32, keps, Zinc
83	X8254	Hose, Solution, 1/ 4" Id, 400 PSI
84	PC66	Fitting, Brass, 1/8 NPTM x 1/ 4 Barb Hose
85	71130A	Coupler QD, 1/8 M
86	70101A	Nipple, QD, 1/8F, Brass
87	72713A	Heater Coil, 2- stage vacuum
	72713B	Heater Coil, 3- stage Vacuum
88	X8244	Screw, 1—24 x 2", Phil, Pan MS, Zinc
89	7AT003	Barb, Hose, 1/4H – 1/4M
90	PC38	Connector, Double thread, female
91	72726A	Valve, 3-way
92	SW158	1/ 4" Cable Clamp
93	7BF030	Nut, 10-24, Nylon Insert Lock, 18-8 SS

# Tank Assembly



## Tank Assembly

Ref #	Part #	Description	Qty
1	72619A	Tank, Recycling	1
2	PX25+	Fitting, Plastic, 1- ?" NPT x 1- ?" Hose Barb	1
3	X9014+	Tank Hinge	2
4	7BS003	Screw, ?-20 x 1/2" Phil Pan MS 18-8 SS	4
5	71644A	Screw, #10 x 1" Phil Pan TS	8
6	71920A	Ring Washer	1
7	72388A	Screw, #10 x 5/8, Tapping Phil, SS Pan Head	4
8	72631A	Latch Bracket	2
9	72666A	Inlet Fitting, Short	1
10	PX14A+	Dump Valve Gasket 1- ?", 2.5 OD x 1.75 Rubber	2
11	72173A	Spring Clip, Black Vinyl Coated	2
12	72224B	Main Filter, New, Smaller	1
13	72326A	Filter, Inlet	1
14	72323B	Gasket, Lid 43"	1
15	72321A	Lid, Tank	1
16	7DE016	Nozzle H 1/8 VV CH SS 11001	2
17	71576A	Nipple QD 1/8 M SS	1
18	71495A	Pump Protection Filter	2
19	7AT006	Barb Elbow, 90°, ?-1/8	1
20	71817A	Hose, ?" Braided	22"
21	7DL003	Hose Clamp, ?"	1
22	71897A	Gasket, Filter Mount	1
23	7DL008	Hose Clamp, ?" SS	2
24	70079C	Hose, ? Wire Reinforced	42"
25	PC25+	? to ?" Male/Male Barb	2
26	7AF003	Plug, Counter Hex ?"	1

Ref #	Part #	Description	Qty
27	72317A	Filter Mount	1
28	70343A	Switch Float 2 Pole	1
29	71553A	E-Ring, Float Switch 70143A	1
30	70100A	Coupler QD 1/8F	1
31	7CX001	Nipple Hex 1/8	1
32	SW139+	Elbow, 1/8 Street (90 degree)	2
33	71485A	Header Backflush Nozzle	1
34	72628A	Vacuum Standpipe, New Pro	1
35	PX63+	Coupler, Plastic, 1- ?" Slip	1
36	X8235+	Washer, ?" Flat, USS Zinc	4
37	72486A	Spacer, 1.625 Long, .50 OD, .313 ID	2
38	7DL005	Clamp Worm Gear 1-1/2 SS	3
39	PAS37+	Drain Hose	1
40	PAS36+	Expansion Plug Drain	1
41	72645A	Bolt, 5/16-18 x 2-1/4, Hex	2
42	X8025+	Wheel, Black, 4" x 1-1/4"	2
43	7BH004	Screw, 10-32 x 3/8" Phil Pan 18-8 SS	4
44	72656A	Hose, 1-1/2" Wire-Reinforced, Black	32"
45	72476A	Fitting, Nylon Hose Barb, 1-1/4" ID, 1-1/2" NPT	1
46	72598A	Screw, 1/4-20 x 3/4" Phil Flat, SS	1
47	72589A	White Delrin Hollow Rod, 1/2" OD, 1/4" ID, 7" Long	1
48	72659A	Decal, Water Level Gauge	1
49	72588A	Heat Shrink Tubing, Clear PVC, 5/8" Exp. ID, 7.5"L1	
50	72660A	Rope	26"



## **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 pre-paid, 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 warrant 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 PERSONA TO ASSUME FOR CFR ANY OTHER LIABILITY IN CONNECTION WITH THE PRODUCTS OR PARTS THEREIN.

For more information about top quality CFR products please see your local CFR distributor or visit us at [www.CFRcorp.com](http://www.CFRcorp.com)

Thank you for purchasing  
CFR Cleaning Systems.