

Safety, Operation, and Maintenance Manual for

# Power-Flite®

**FAST DRY-WET/DRY VACS**  
**Models PF19SV, PF20SV**  
and optional CT70 squeegee attachment



**Power-Flite®**  
**COMMERCIAL FLOOR CARE EQUIPMENT**

A Tacony Company  
1-800-880-2913



Read and follow all instructions,  
warnings and cautions before  
using this vacuum!

**READ ALL INSTRUCTIONS BEFORE USING!**

**C**ongratulations on purchasing a Powr-Flite® wet/dry vacuum. Given proper care, this product will afford you many years of trouble-free operation. All parts have passed rigid quality control standards before being assembled to produce the finished product.

Prior to packaging, the unit is again inspected for assurance of flawless assembly. This unit is protectively packed to prevent damage in shipment. We recommend removal and inspection of unit upon delivery for possible damage in transit. Only a visual examination will reveal damage that may have occurred.

If damage is discovered, immediately notify the transportation company that delivered your vacuum.. As a shipper, we are unable to report claims for concealed damage. You must originate any claim within 5 days of delivery.

This manual is for your protection and information. **PLEASE READ CAREFULLY** since failure to follow precautions could result in discomfort or injury. When using electrical equipment, basic safety precautions should always be followed.

*THANK YOU FOR CHOOSING POWR-FLITE®!*

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**CARE OF THIS VACUUM CLEANER**

**T**reat this unit as you would any other high grade precision made product. Dropping, unreasonable bumping across thresholds and other misuses may result in a damaged unit which will not be covered by warranty. When not in use, power cord should be wrapped around motor head for storage.

**R**ead this manual completely before operating this vacuum. It is important to follow instructions in this manual to prevent the possibility of injury or damage to the user and/or machine.

**PREPARATION FOR USE**

The wet/dry vacuum is shipped with the hose assembly, rug tool, floor tool, squeegee tool, and 2 piece wand. Remove the hose and tools from the carton revealing the wet/dry vacuum underneath.

**NOTE:**  
Caution should be exercised when handling the motor head. Dropping the motor head can cause permanent damage to the internal components. The cloth filter must be kept clean to permit maximum efficiency of the vacuum cleaner. (See Maintenance Instructions, pg. 5)

# IMPORTANT SAFETY PRECAUTIONS

## DANGER:

The PF19SV and PF20SV are double insulated machines. A ground wire is not used on double insulated machines. Servicing a double insulated machine requires extreme care and knowledge of the system and should be done only by a qualified service person. **ALWAYS REPLACE A DAMAGED CORD.**

Double insulated machines are marked with this symbol. →



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

**FOR DRY UNITS**  
*Electric shock could occur if used on wet surfaces. DO NOT expose to rain. Store Indoors*



**FOR WET UNITS**  
*To avoid electric shock, DO NOT expose to rain. Store Indoors. Electric shock could occur if power nozzle is used on wet surfaces.*

When using this electric vacuum, basic precautions should always be followed, including the following:

- 1) **DO NOT** leave unit when plugged in. Unplug from outlet when not in use and before servicing.
- 2) **DO NOT** allow unit to be used as a toy. Close attention is necessary when used around or near children.
- 3) Use only as described in this manual. Use only manufacturer's recommended attachments.
- 4) **DO NOT** use with damaged cord or plug. If unit is not working properly because it has been dropped, dropped into water, left outdoors, or damaged in any way, contact a service center of Powr-Flite®.
- 5) **DO NOT** pull or carry by cord, use cord as a handle, close door on cord, or pull cord around sharp edges or corners. **DO NOT** run unit over cord. Keep cord away from heated surfaces.
- 6) **DO NOT** unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- 7) **DO NOT** handle plug or appliance with wet hands.
- 8) **DO NOT** put any objects into openings. **DO NOT** use with any opening blocked: keep free of dust, lint, hair, or anything that may reduce air flow.
- 9) Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- 10) **DO NOT** pick up anything that is smoking or burning such as cigarettes, matches, or hot ashes.
- 11) **DO NOT** use without dust bag and/or filters in place for dry operation, and wet adapter for wet operation.
- 12) Turn off all controls before unplugging.
- 13) Use extra care when cleaning on stairs.
- 14) **DO NOT** use use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
- 15) **DO NOT** use where oxygen or anesthetics are used.
- 16) **DO NOT** use an extension cord unless absolutely necessary. If an extension cord is used, then wire size must be #14 or larger and should not exceed 50 ft.. in length.
- 17) Replace damaged or worn parts immediately with genuine original equipment parts to maintain safety.

## MEDIDAS DE SEGURIDAD

**¡PELIGRO!** Para reducir el riesgo de incendio, descarga eléctrica o daño:

**NO SE exponga a la lluvia a guardar bajo techo. Una sacudida eléctrica puede suceder si se usa en superficies húmedas.**



**NO utilice la unidad para levantar líquidos inflamables o combustibles como gasolina.**

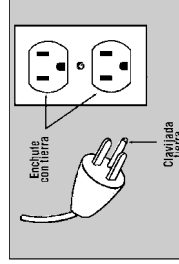
### PARA SU SEGURIDAD

- NO DEJE** la aspiradora enchufada. Desconéctela cuando no la use y antes de darle servicio.
- NO PERMITE** que se use como juguete. Ponga atención cuando se use cerca de niños.
- USE SE SOLAMENTE** de acuerdo a las instrucciones y con accesorios recomendados por el fabricante.
- NO USE** con el cable o clavija dañados. Si la unidad ha sido golpeada, mojada, o dañada en algún modo llame al centro de servicio o Power-Flite®.
- NO JALE** o carque del cable, no machuque el cable o lo estire sobre objetos filosos. **NO USE** la unidad sobre el cable.
- NO DESENCHUFE** jalando el cable. Para hacerlo jale de la clavija no del cable.
- NO TOME** la clavija o el aparato con las manos mojadas.
- NO TAPE** objetos en las ventilas. **NO USE** si alguna está tapada. Mantenga limpia de polvo, peluza o cualquier obstrucción.
- Mantenga el pelo, ropa suelta manos y partes del cuerpo lejos de las aberturas y partes móviles.
- NUNCA** aspire objetos que mandose o humeando como cigarras, cerillos o cenizas calientes.
- No use unidad a recoje materiales peligrosas.
- Apague todos los controles antes de desconectar.
- Paga las unidad inmediatamente si hay espuma o líquidos saliendo da bajo de la unidad. Si esto para limpia el tanque y también usa un chermico de espuma.
- NO UTILIZE** la unidad para levantar líquidos inflamables o combustibles como gasolina; o use en areas dando se encuentren estos líquidos.
- Replacen los partes gastadas o dañadas inmediatamente para mantener la seguridad.
- Esta unidad debe ser conectada a un enchufe correctamente aterrazado solamente. Vea los inscripciones de tierra. Si su aspirador/soplador tiene un enchufe para una boquilla de potencia, apague la siempre antes de conectar o desconectar la goquilla.
- NO USE** donde oxígeno o anestésicos sean empleados.
- NO USE** extensión eléctrica mas que cuando sea absolutamente necesario. Si usa extensión, el cable debe de ser calibre #14 o mayor y no debe exceder 50 pies de longitud. El cable extensión debe ser de 3 polos para asegurar protección de tierra.

### INSTRUCCIONES DE TIERRA

**¡PELIGRO!**

Una conexión incorrecta de tierra puede resultar en una descarga eléctrica. Consulte con un electricista calificado o persona de servicio si tiene duda acerca del enchufe y su tierra. No modifique el enchufe de la unidad. Si no encaja en el enchufe, haga instalar un enchufe apropiado por un electricista calificado.



## IMPORTANTES MEDIDAS DE SEGURIDAD

**AVERTISSEMENT!** Pour réduire les risques d'incendie, de choc électrique ou de blessure:

**NE PAS aspire de matières humides. Ne pas exposer à l'intérieur.**



**NE PAS utiliser l'appareil avec des liquides inflammables en aspirant afin d'éviter du feu.**

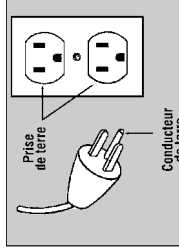
### POUR VOTRE SÉCURITÉ

- NE PAS** laisser l'appareil sans surveillance lorsqu'il est branché. Débrancher lorsque l'appareil n'est pas utilisé et avant l'entretien.
- NE PAS** permettre aux enfants de jouer avec l'appareil. Une attention particulière est nécessaire lorsque l'appareil est utilisé par des enfants ou à proximité de ces derniers.
- N'utiliser que conformément à cette notice avec les accessoires recommandés par le fabricant.
- NE PAS** utiliser si le cordon ou la fiche est endommagé. Retourner l'appareil à un atelier de réparation s'il ne fonctionne pas bien, s'il est tombé ou s'il a été endommagé, oublié à l'extérieur ou immergé.
- NE PAS** tirer, soulever ou trainer l'appareil par le cordon. **NE PAS** utiliser le cordon comme une poignée, le coincer dans l'embrasure d'une porte ou l'appuyer contre des arêtes vives ou des coins. **NE PAS** faire rouler l'appareil sur le cordon. Garder le cordon à l'écart de surfaces chaudes.
- NE PAS** débrancher en tirant sur le cordon. Tirer plutôt la fiche.
- NE PAS** toucher la fiche ou l'appareil lorsque vos mains sont humides.
- NE PAS** utiliser des rallonges ou des prises qui n'ont pas de capacité suffisante pour transporter le courant.
- NE PAS** utiliser où l'oxygène ou les gazes sont utilisés.
- N'INSÉRER** aucun objet dans les ouvertures. **NE PAS** utiliser l'appareil lorsqu'une ouverture est bloquée. S'assurer que de la poussière, de la peluche, des cheveux ou d'autres matières ne réduisent pas le débit d'air.
- Maintenir les cheveux, les vêtements amples, les doigts et toutes les parties du corps à l'écart des ouvertures et des pièces mobiles.
- NE PAS** aspirer de matières en combustion ou qui dégagent de la fumée, comme des cigarettes, des allumettes ou des cendres chaudes.
- NE PAS** utiliser l'aspirateur pour soulever les produits chimiques dangereux.
- Mettre toutes les commandes à la position ARRÊT avant de débrancher l'appareil.
- Couper le courant immédiatement si le liquide de nettoyage sort de l'appareil. Videz et nettoyez le réservoir interim et admettez le liquide de nulle écume.
- NE PAS** aspirer des liquides inflammables ou combustibles, comme de l'essence, et ne pas faire fonctionner dans des endroits où peuvent se trouver de tels liquides.
- Remplacez taré parties vite à maintenir sécurisé.
- Ne brancher qu'à une prise de courant avec mise à la terre. Voir les instructions visant la mise à la terre.

### INSTRUCCIONES VISANT LA MISE À LA TERRE

**AVERTISSEMENT!**

Un conducteur de terre mal raccordé peut entraîner un risque de choc électrique. Consulter un électricien ou un technicien d'entretien qualifié si vous n'êtes pas certain que la prise soit correctement mise à lat terre. Ne pas modifier la fiche fournie avec l'appareil-se elle ne peut être insérée dans la prise, faire installer une prise adéquate par un electricien qualifié.



# OPERATING INSTRUCTIONS

## DRY OPERATION OF VACUUM (1-3)

The wet/dry vacuums are equipped with a bypass motor. Install the filter frame and cloth filter, place the motor head on the canister and snap down the hold-down clamps.

## WET OPERATION OF VACUUM (1-3)

The wet/dry vacuums are equipped with a bypass motor so that the working vacuum is separated from the cooling air flow. To pick up water, the dry filter must be removed and the float cage assembly must be in place, the motor head placed on the canister and the hold down clamps locked down. The safety float located in the protective wire frame in the tank stops the vacuum action of the motor head when the maximum recovery of liquids is reached.

**CAUTION:**

Excessive foam must be reduced with a chemical defoamer sprayed or poured into a tank. Powr-Defoamer, part number K2 is recommended. The operator must turn the motor off when the air flow is stopped

## WAND AND ATTACHMENT INSTRUCTIONS

**To assemble the two piece wand:**

1. Match the alignment ridges of the upper and lower wand sections.
2. Push the upper wand into the lower wand.

**To assemble tools:**

1. Slide the swivel cuff of the tool onto the tapered lower wand.
2. Turn swivel cuff 1/4 turn to tighten.

## PUSH HANDLE

The cleaner is shipped with the upper handle disconnected.

**To convert to operating position:**

1. Turn knobs on tip dolly counter clockwise until clear of tubing material.
2. Slide upper handle into lower tubing of the tip dolly.
3. Turn knob on tip dolly clockwise until snug.

## DRAINING (1-4)

1. Disengage the two (2) clamps which hold the motor head to the canister.
2. Remove motor head and carefully place to one side.
3. Tip can over by grasping handle, lift and pour contents of the Powr-Tank into a suitable container.

## HOSE ATTACHMENT INSTRUCTIONS (5)

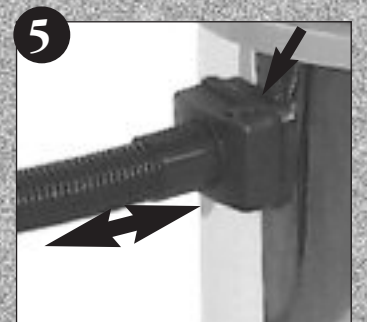
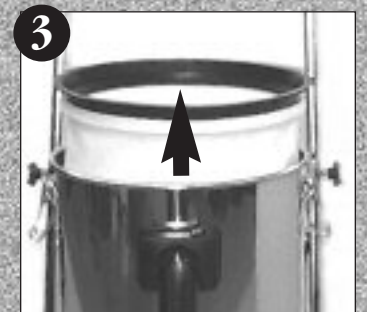
The hose and swivel connector are pre-assembled at the factory.

**To attach the swivel connector to the intake fitting of the canister:**

1. Push the grooved cuff straight into the intake fitting.
2. To remove, press the release button on top of the intake fitting while pulling the grooved cuff out.

## MAINTENANCE (1-3)

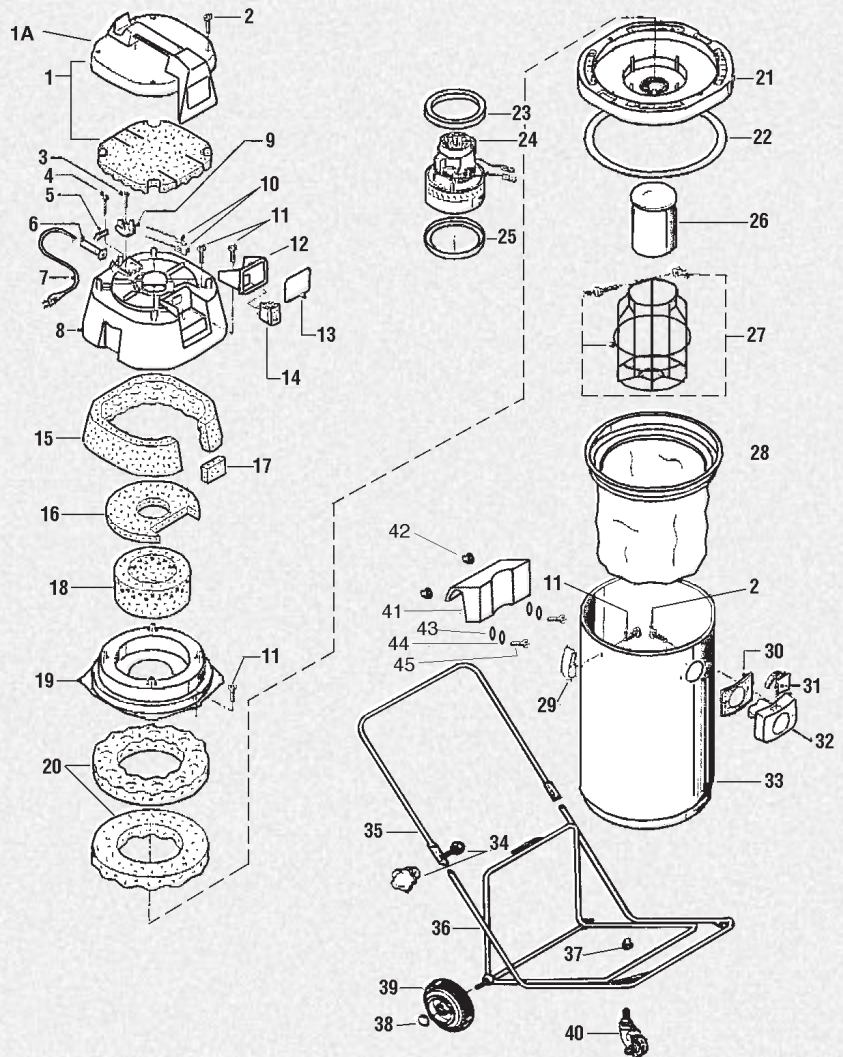
The cloth filter should be cleaned each time you empty the canister. To clean cloth filter, simply shake off loose particles and brush exposed surface with a soft bristle brush. The cloth filter may be washed with a heavily diluted detergent in luke warm water. Dry completely before placing filter back in tank. The wet/dry vacuum should not be stored with any liquid inside the canister. Always empty liquid from the canister. Before storage or converting to dry pick-up, run the emptied cleaner for approximately five (5) minutes to eliminate moisture in the canister, hose, and attachments. Then unclamp the motor head and set on the edge of the tank to allow evaporation in the tank and power head.



# ILLUSTRATED PARTS LIST

## PF19SV, PF20SV Body Assembly

Ref. #	SW #	Description
1A	FD87	Handle Head, Non-Insulated
1	FD65	Handle Head, Insulated
2	FD66	Screw
3	FD67	Screw
4	FD18	Screw
5	FD20	Cable Clamp
6	FD8	Strain Relief
7	FD68	16/2 30 ft. Cord
8	FD69	Cover, Motor
9	FD21	Contact Block
10	FD70	Wire Connector
11	FD71	Screw
12	FD72	Switch Housing
13	FD73	Gasket Switch Housing
14	FD7	Rocker Switch
15	FD74	Insulator, Motor Cover
16	FD75	Insulator, Top Motor Cover
17	FD76	Insulator, Switch Housing
18	FD77	Insulator, Middle Housing
19	FD78	Middle Housing
20	FD79	Insulator, Lower Housing
21	FD80	Lower Housing
22	FD47	Seal, Powerhead
23	FD81	Seal, Top of Motor
24	1970	Vacuum Motor
25	FD44	Seal, Bottom of Motor
26	FD48	Float
27	FD51	Float Cage
28	FD22	Filter
29	FD82	Clamp Assembly
30	FD27	Seal
31	FD25	Spring
32	FD26	Machine Coupling
33	FD83	Tank, Stainless Steel
33A	FD83P	Tank, Poly
34	FD16	Handle Knob
35	FD19	Upper Handle
36	FD15	Frame Dolly
37	FD28	Acorn Nut
38	FD17	Starlock Cap
39	FD85	8" Wheel
40	FD84	3" Caster
41	FD43	Tip Hinge
42	FD14	Nut
43	FD13A	Seal
44	FD13	Washer
45	FD12	Screw
<b>NOT ILLUSTRATED</b>		
FD86	Socket Accessory	



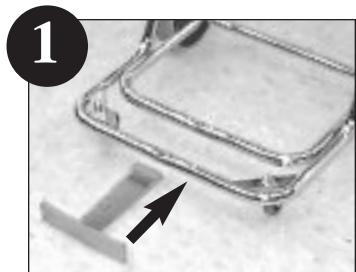
## Heavy-Duty Tool Kit - CT64

Tool Kit	
SW #	Description
CT65	Hose w/ ends
CT66	Wand Set
CT67	Rug Tool
CT68	Floor Tool
CT68R	Replacement brush for CT68
CT69	Squeegee Tool
CT69R	Replacement Squeegee blades for CT69

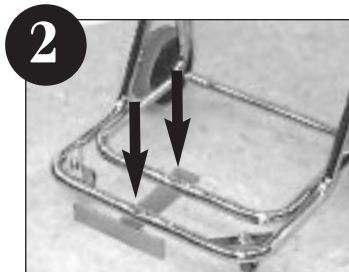


# OPTIONAL EQUIPMENT

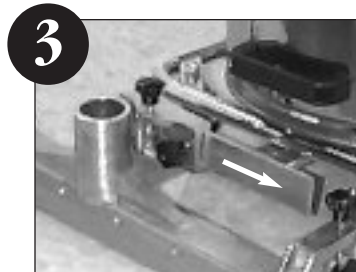
## CT70 SQUEEGEE ATTACHMENT ASSEMBLY INSTRUCTIONS



1 Position T-bar under vacuum frame.



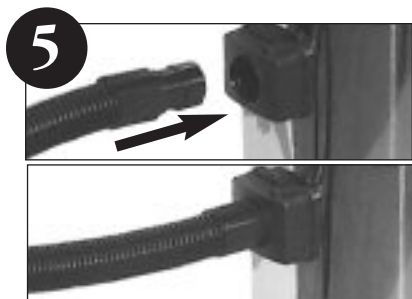
2 Attach T-bar to frame with bolts (2) and nuts (2) provided.



3 Slide squeegee attachment onto T-bar, center and tighten thumb screws to secure unit



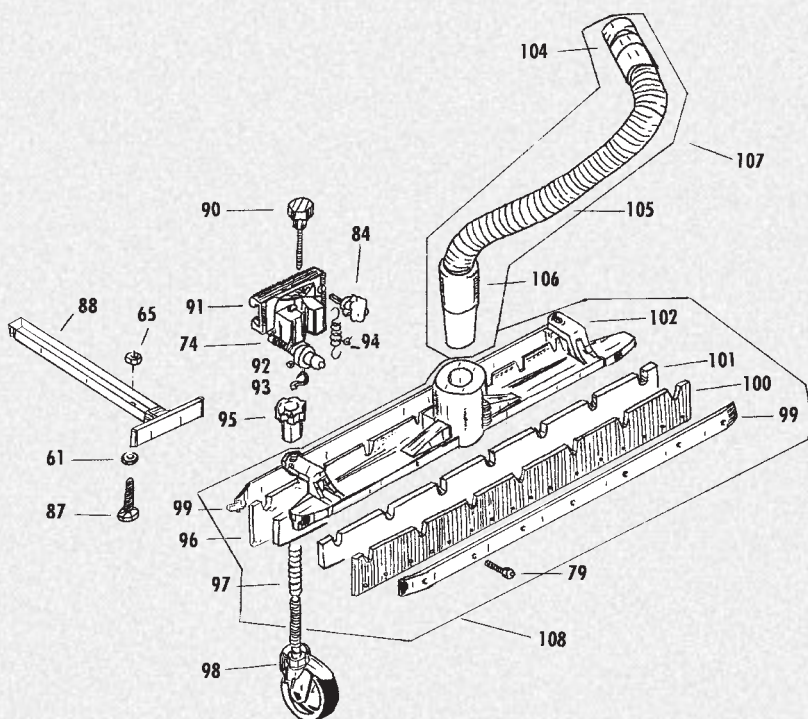
4 Attach 2 ft. connector hose.



5 To attach top of hose, push grooved cuff straight into intake tank fitting. To remove: Press latch release button, located on top of intake tank fitting, and gently pull hose cuff outward.



6 Adjust the height of the squeegee blades with the wheel alignment knobs on each wheel. Adjust squeegee blades to slightly contact floor surface across length of blades.



### CT70 Squeegee Attachment

Ref. #	SW #	Description
	CT70	Squeegee tool, complete
61	CT72	Washer, diam. 6 X 24
65	CT73	Nut M6
74	CT74	Screw M8 X 35
79	CT75	Screw M5 X 26
84	CT76	Knob model A3/62 M6 X 20
87	CT77	Screw TC M6 X 10
88	CT78	"T" iron
90	CT79	Knob
91	CT80A	Slider
92	CT81A	Bushing
93	CT82A	Plastic ring with hook
94	CT83A	Spring
95	CT84	Knob
96	CT85	Rear squeegee blade, gray
97	CT86	Spring 1, 2 X 30
98	CT87	Wheel, complete
99	CT88	Squeegee blade bracket
100	CT89	Front squeegee blade (gray with holes)
101	CT90	Spacer rubber (black)
102	CT91	Frame for squeegee
104	CT94	Hose end (PVC diam. 40)
105	CT93	Hose only (diam. 40)
106	CT92	Hose end (ABS diam. 40)
107	CT95	Hose, complete with hose ends
108	CT96	Squeegee body and blades
<b>Not Illustrated</b>		
	CT98	Set screw for CT81A

# MAINTENANCE GUIDE

## Loss of Suction

**CAUSE:**

- 1) Tank Full
- 2) Dry filter assembly clogged.
- 3) Clogged hose or wand.
- 4) Tank rim is dented.
- 5) Loose or broken fan.
- 6) Motor not working.
- 7) Float not functioning.
- 8) Gasket worn.

**SOLUTION:**

- 1) Empty Tank
- 2) Clean cloth filter.
- 3) Remove obstruction.
- 4) Replace tank.
- 5) Contact manufacturer of service center.
- 6) Contact manufacturer or service center.
- 7) Check to see if float moves freely or tank is full.
- 8) Replace gasket.

## Motor is not running

**CAUSE:**

- 1) Broken switch.
- 2) Defective power cord.
- 3) Defective motor.
- 4) Blown fuse or tripped circuit breaker at power source

**SOLUTION:**

- 1) Contact manufacturer or service center.
- 2) Contact manufacturer or service center.
- 3) Contact manufacturer or service center.
- 4) Contact manufacturer or service center.

## Dust blowing from unit when running

**CAUSE:**

- 1) Full paper filter bag.
- 2) Paper filter bag not installed properly or off inlet tube.
- 3) Cloth filter bag dirty.
- 4) Cloth or paper filter bag is torn.
- 5) Paper bag is not installed.

**SOLUTION:**

- 1) Replace filter bag.
- 2) Re-install or replace paper filter bag properly.
- 3) Clean cloth filter bag.
- 4) Replace filter bag.
- 5) Install paper filter bag, when vacuuming very fine dust, chimney soot or sheet rock.

## Water blowing from unit when running

**CAUSE:**

- 1) Tank is full of liquid.
- 2) Sudsy or foamy liquid is being picked up.

**SOLUTION:**

- 1) Empty tank.
- 2) Add defoamer to tank.

**WARRANTY-PLUS  
Powr-Flite  
Value Assurance Package.**

5 YEARS  
on  
Tank

1 YEAR on  
Vacuum  
Motor

1 YEAR on  
Material & C  
Workmanship

### WARRANTY

The manufacturer warrants to the original purchaser that products manufactured are free from defects of workmanship and material, provided such goods are installed, operated and maintained in accordance with written manuals or other instructions for a period of 1 year from date of purchase (five years on the tank only). In case you, as our customer, meet any trouble with your machine, contact your Powr-Flite® representative, who will be happy to be of service to you and will take care of the warranty settlement.

**NOTE:** Alterations and changes made to the machine without written approval of the manufacturer and use of unapproved spare parts will not be covered by warranty.