



Operator's Manual

PCS/WCS 15/25
Parts/Weapons Cleaning Stations

RPW-15/25
Recycling Parts Washer

RWC-15/25
Recycling Weapons Cleaner

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FOREWORD

1. This manual describes the procedures required to operate the Clarus Fluid Intelligence' PARTS WASHING/WEAPONS CLEANING SERIES (Cleaners). Every effort has been made by Clarus Fluid Intelligence, LLC to assure the accuracy and reliability of the information contained in this document. Clarus Fluid Intelligence, LLC, however, makes no representation, warranty, or guarantee in connection with this manual and hereby expressly disclaims any liability or responsibility for loss or damage resulting from its use or for the violation of any federal, state, provincial or municipal regulation with which this publication may conflict.
2. The electrical components of the Cleaners have been designed and assembled with UL-approved equipment where required.



WARNING! The operational techniques used with this equipment are more important than the design of the equipment for the safety of the worker. Therefore, each technician involved in the operation of the Clarus Fluid Intelligence' Parts/Weapons Cleaning Series must have the proper hazardous materials training.



DANGER! This system can only be used with solvent that has a minimum flashpoint of 140° Fahrenheit. Use of solvents with flashpoints lower than 140° Fahrenheit are likely to cause a fire, injuries or death. If you are not sure of a solvents flashpoint refer to the appropriate material safety data sheet ("MSDS") sheet.

3. Clarus Fluid Intelligence, LLC is not undertaking to meet the duties of employers to warn and properly train and equip their employees, and others exposed, concerning health and safety risks and precautions, nor undertaking their obligations under local, state, provincial or federal laws.
4. Information concerning safety and health risks and proper precautions with respect to particular materials and conditions should be obtained from the employer, the manufacturer or supplier of that material, and/or SDS.

CLARUS PARTS/WEAPONS CLEANING SERIES OPERATOR'S MANUAL

I. INTRODUCTION

Congratulations on your purchase of the Clarus Fluid Intelligence' Parts/Weapons Cleaning Series models PCS-15/25, WCS-25! This equipment series is the product of Clarus Fluid Intelligence. They are made of the finest materials under a rigid quality control system. With proper care, they will give you long and satisfactory service.

To obtain the best use of your equipment, please read this manual carefully. It will help you become familiar with the operation of the equipment and contains many helpful hints about parts/weapons cleaner maintenance.

The instructions and specifications contained in this manual were in effect as of August 2012. Due to the policy of Clarus Fluid Intelligence, LLC to continually improve its products, however, modifications in these specifications may be made at any time.

This Operators Manual was compiled for your benefit. By reading and following the safety, setup, operation, and trouble-shooting instructions described in the manual, you should receive many years of trouble-free operation. Familiarize yourself with the names of the parts/weapons cleaner components, which appear as capitalized terms throughout this manual. ***Read this entire manual before attempting to start and operate the Clarus Fluid Intelligence' Parts/Weapons Cleaner.***

II. STANDARD AND ADD-ON FEATURES (SPECIFICATIONS)

STANDARD FEATURES ON ALL PARTS/WEAPONS CLEANING EQUIPMENT

- ✧ Large format tank that uses 27.5 (17.5 for the 15 series) gallons of solvent
- ✧ PCS/WCS/RPW-25 Height/width/depth (inches) - 44/51/31 (Height to top of light 73")
- ✧ PCS/WCS/RPW-15 Height/width/depth (inches) – 40/40/27 (Height to top of light 73")
- ✧ Single phase, 110V, 60 Hz, 5A
- ✧ High capacity, ultra-fine 0.5-micron particulate filtration
- ✧ Constant flow system regardless of how clogged the filters are
- ✧ Filter canisters inside tank provide spill containment during filter change-outs
- ✧ Oven-baked polyester powder coat finish
- ✧ High quality steel construction with stainless steel work surface
- ✧ Two brushes on weapons cleaners. Brush and flexible gooseneck nozzle on parts cleaners
- ✧ Bright stainless steel work surface for better visibility and no darkening from corrosion
- ✧ Leveling feet
- ✧ Warnings and instructions describing all operational procedures are provided on clearly marked decals, including a QR code for watching how-to maintenance videos while at the unit
- ✧ UL-approved fusible link for fire protection
- ✧ Consistently clean solvent not reliant on service intervals
- ✧ System can be moved with forklift or pallet jack even while full
- ✧ Limited Lifetime Warranty

STANDARD FEATURES ON PARTS CLEANING EQUIPMENT MODELS (PCS-15/25)

The following features are standard on the PCS-15/25:

- ✧ Light Bar Assembly
- ✧ Sump Pump assembly (Guzzler)
- ✧ Filter Gauge
- ✧ Solvent level gauge
- ✧ Two filter canisters (one canister on the 15)
- ✧ One solvent brush, One wand nozzle
- ✧ One filter installed per canister (two canisters for PCS-25; one canister for PCS-15)

ADD-ON FEATURES SOLD SEPARATELY FOR PART CLEANING EQUIPMENT MODELS PCS-15/25

- ✧ Pre-clean shelf
- ✧ Soak tank with agitation pump

STANDARD FEATURES ON WEAPONS CLEANING EQUIPMENT MODELS (WCS-15/25)

The following features are standard on the WCS-15/25:

- ✧ Light Bar Assembly
- ✧ Sump Pump (Guzzler assembly)
- ✧ Filter Gauge
- ✧ Solvent level gauge
- ✧ Two filter canisters (one canister on the 15)

- ✧ Two solvent brushes, No wand nozzle
- ✧ Long soak tank (no agitation pump)
- ✧ One filter installed per canister (two canisters for WCS-25; one canister for WCS-15)

ADD-ON FEATURES SOLD SEPARATELY FOR WEAPON CLEANING EQUIPMENT MODELS WCS-15/25

- ✧ Air gun with regulator
- ✧ Air gun with on-board air pump
- ✧ Pre-clean shelf

STANDARD FEATURES ON RECYCLING PART WASHER EQUIPMENT MODELS RPW-15/25

The following features are standard on the RPW 15/25:

- ✧ One filter canister (One filter installed per canister)
- ✧ One solvent brush, One wand nozzle
- ✧ Lid bar

STANDARD FEATURES ON RECYCLING WEAPONS CLEANING EQUIPMENT MODELS (RWC-15/25)

The following features are standard on the RPW 15/25:

- ✧ One filter canister (One filter installed per canister)
- ✧ Lid bar
- ✧ Two solvent brushes, No wand nozzle
- ✧ Long soak tank (no agitation pump)

ADD-ON FEATURES SOLD SEPARATELY FOR RECYCLING PART WASHER EQUIPMENT AND RECYCLING WEAPON CLEANING MODELS (RPW-15/25 & RWC-15/25)

- ✧ Halogen Light Bar Assembly
- ✧ Sump Pump assembly (Guzzler)
- ✧ Filter Gauge
- ✧ Solvent level gauge
- ✧ Second Filter Canister (only on 25 models)
- ✧ Air gun with regulator
- ✧ Air gun with on-board air pump
- ✧ Pre-clean shelf
- ✧ Soak tank with agitation pump (only RPW-15/25)

III. WARRANTY INFORMATION

Clarus Fluid Intelligence, LLC, will for the life of the unit, repair or replace without charge, parts which our examination proves to be defective in material or workmanship. This warranty is valid only if the unit has not been tampered with by unauthorized persons, misused, abused, or improperly installed and has been used in accordance with the instructions and/or ratings supplied. The foregoing is in lieu of any other warranty or guarantee expressed or implied, and we are not responsible for any expense (including installation and removal), inconvenience, or consequential damage, including injury to any person, caused by items or our manufacture or sale. Some states do not

allow certain exclusion or limitations found in this warranty so that they may not apply to you. In any event, Clarus Fluid Intelligence, LLC total liability, under all circumstances, shall not exceed the full replacement cost of this unit.

This Limited Lifetime Parts Warranty is limited to the following components:

- Main chassis
- Tank lid
- Light bar assembly (excluding light fixture and light bulb)
- Stainless steel work surface
- Stainless steel baffle system
- Soak Tank

Clarus Fluid Intelligence, LLC, will for the period of 1 year from the date of purchase, repair or replace without charge, the items listed below which our examination proves to be defective in material or workmanship. This warranty is valid only if the unit has not been tampered with by unauthorized persons, misused, abused, or improperly installed and has been used in accordance with the instructions and/or ratings supplied.

This 1 year Mechanical/Electrical Component Warranty covers the following components:

- Electrical control systems
- Main pump
- Agitation pump
- Hand pump

NOTE: Consumable items such as light bulbs, solvent brushes, O-Rings and filters are excluded from any such warranty.

IV. SAFETY

To safely operate the Cleaner, it is essential to know the proper safety procedures and equipment.

A. Safety Warnings.

The definitions for the safety warnings used throughout this manual are as follows:



Warning Means that if the safety information is not followed, personnel, equipment or the environment **may** be damaged or hurt.

Material Safety Data Sheets (MSDS)

The MSDS provides technical information regarding use, hazards, precautions and emergency procedures related to specific fluids. The MSDS also contain toll-free phone numbers that may be called to provide further safety and emergency treatment information.

Operators of the Cleaner must have on hand an MSDS for each type of solvent that they will be using. The MSDS are available from the solvent supplier. In some localities it is required by law that appropriate MSDS are on hand whenever hazardous or flammable material is being processed.

B. Safety Equipment.

1. Safety Glasses. Operators should wear safety glasses during the operation of the Cleaner. The major hazard is the possibility of splashing petroleum-based fluids into the eye. If petroleum-based fluid is splashed into the eye, severe damage may occur. First Aid treatment should be initiated immediately. Refer to MSDS.
2. Protective Gloves. Appropriate protective gloves should be worn whenever there is a possibility that the fluids being used may come into contact with the hands. Different types of gloves may be required for differently types of fluids. The local safety supply source can recommend the appropriate protective gloves.

Flammable. For the safety of owners and operators **NO SMOKING** around or near this equipment.

V. QUICK START GUIDE

Please read entire Quick Start Guide before beginning, this will avoid possible start up problems.

A. Uncrate Unit

1. Remove outer wrap.
2. Unbolt legs from pallet.
3. Remove Light Bar Assembly from packaging.
4. Remove all loose packing.

B. Install Light/Lid Bar Assembly

The PCS/WCS models are equipped with a light bar assembly. A standard RPW/RWC model contains a lid bar. The light bar assembly is optional on the RPW/RWC models. Both of the bars are required to hold the lid up when using the equipment.

To install the light/lid bar assembly, unscrew the provided hardware and attach it to the Light/Lid Bar Bracket located on the center/backside of the Cleaner. Before tightening the bolts, open the tank lid and secure it to the light/lid bar assembly fusible link. Do not bend the fusible link. Tighten all bolts. Once the light/lid bar assembly is secured, connect the male plug of the light bar to the female plug labeled “light bar” out of the electrical box.

C. Establish Work Area

1. Create a properly sized area where the Cleaner will be located. This area should be a level, solid working area with sufficient overhead room for the light/lid bar assembly. A 110 volt 15 amp circuit should be within 6 feet of this area.

2. Place the Cleaner in working area with a forklift or pallet jack with front of unit facing out.
3. Use front leveling feet to reduce any rocking from an uneven floor. The leveling feet should not be used to raise the unit off the floor. Use a Bubble level to level Front/Back and Left/Right.

D. Fill Unit with Solvent

1. Once the unit is set into place, leveled and power plugged in, you can fill it with solvent. The 15 Series requires 17.5 gallons of solvent. The 25 Series requires 27.5 gallons of solvent.
2. NOTE: If your unit is equipped with a fluid level gauge, fill with solvent until fluid level gauge (located on front left corner) reads full or 27-1/2 gallons for the 25 series and 17-1/2 gallons for the 15 series.
3. Make sure both the cleaning brush and fluid nozzle are inside the tank before turning the system on. Turn system on with the switch labeled "Solvent Flow" (NOTE: Models built prior to June 2012 were equipped with a 4-minute timer and a green push button.)
4. Turn the unit off and check fluid level and fill to solvent line if needed.

E. Optional Equipment Installation – Pre-Clean Shelf

1. Confirm all pieces and necessary parts
 - a. (3) Sets of: screws with washers, lock washers & nuts.
 - b. (1) Green pre-clean shelf with cut out
 - c. (1) Black support bracket/brace
 - d. (1) Black plastic shelf liner/insert
 - e. (1) Grey plastic bin

NOTE: Do not tighten all the bolts until each one has been installed and hand tightened.

2. From the left side of the unit:
 - a. Remove inner leg attachment bolts from both Top & Bottom.
 - b. Install green pre-clean shelf into top holes.
3. Take the three (3) bolt sets and install the black bracket to the open side of the pre-clean shelf
4. Attach the bottom of the bracket to the main body of the unit.
5. Insert grey plastic bin into brackets underneath shelf.
6. Lay black plastic insert/shelf liner onto pre-clean shelf (prevents scratches)

Congratulations – your unit is ready!

VI. PARTS DESCRIPTION & OPERATION

A. Solvent Flow Switch

To start the solvent flow from the brush and wand nozzle, simply turn the switch to “ON”. To stop the flow of the solvent, turn the switch to “OFF” position.

B. Timer (PCS/WCS models only)

PCS/WCS-15/25 models are equipped with a 4-minute timer and a green push button. The green push button turns the system on for a 4-minute cycle. When the cycle is over the system will shut off automatically. If continued operation is needed, simply depress the green “ON” button again.

C. Light Switch

(Standard on PCS/WCS; Optional on RPW/RWC models). The light switch on the control panel operates the overhead 150-watt halogen light. The light does not automatically switch off, so the operator must manually turn the light off.

D. Cleaning Brush

This ergonomically designed Parts Cleaning brush self-cleans during use.

E. Optional Add-on Features

The Cleaner can be customized with additional features to make your shop’s parts and/or weapons cleaning even more efficient. The following describes the operation of these options; however, not all units are equipped with the same option packages.

1) Second High Capacity Filtration System

Add additional filtration system (filter and filter canister) to further extend solvent life. If purchased with the product, it will already be installed. To change filters, please refer to page 13, section VII, subsection C in this operation manual

2) Sump Pump

The on-board pump makes removing the sludge a breeze while minimizing service costs. The sump pump will be installed if it is purchased with your product. To operate the Sump Pump, refer to page 13, section VII, subsection A in this operation manual

3) Fluid Level Gauge

Monitor solvent level with the sight glass. At a glance, the user knows when to “Add 5 gallons” of solvent or when the solvent is full. This fluid level gauge will be installed if purchased with your product. To operate, just visually check the fluid level when appropriate.

4) Pre-Clean Shelf

The pre-clean shelf is a space for resting heavy parts and for cleaning parts prior to clean them with solvent. Simply set your part down in the area and wipe off extra grease and grime.

5) Air Gun Tool with Air Pump

If the optional Air Gun Tool with Air Pump was purchased for your Cleaner, you will have an air nozzle/handle hanging on the inside of the Cleaner lid. The air flow is controlled by the Solvent Flow switch.

To activate the Air Gun Tool, first turn the Solvent Flow Switch to “ON”, starting the compressor. Next, take hold of the Air Gun Tool, point it down and away from your body and depress the trigger on the handle to release the pressurized air.

6) Regulated Shop Air Operated Air Gun Tool

If the optional regulated “Shop Air” model was purchased, hook up the Shop Air Hose to the air regulator located on the backside of the lower shelf. Manually adjust the amount of air needed by pulling up the knob on the regulator and turning it to the appropriate setting. When the proper amount of air is achieved, push knob down to lock your setting. With this set-up, air will always be available at the nozzle.

7) Agitation Tank/Pump Assembly

The PCS/RPW-25 and PCS/RPW-15 can be equipped with an optional stainless steel soak tank (“Soak Tank”) and a UL-approved submersible agitation pump. The “ON/OFF” switch for the Soak Tank is located on the left side of the lid. The switch may be located on the right side of RPW models not equipped with an optional halogen light.

Prior to turning the agitation on:

- 1) Place the stainless steel tank along the left hand side wall of the working surface,
- 2) Turn on the Solvent Flow Switch. As the solvent begins to flow, use the cleaning brush and/or nozzle to fill the stainless steel soak tank until it covers the pump.
- 3) Once the soak tank is full you can turn on the pump. The agitation pump will stay on until it is manually turned off.

F. Fluid Nozzle – shutoff

(PCS/RPW parts cleaning models only) The fluid nozzle flow can be adjusted or turned off by turning the yellow valve handle at the nozzle’s base.

G. Filter Differential Pressure Gauge

(Standard on PCS/WCS; Optional on RPW/RWC models). The PCS/WCS models use a pressure gauge to indicate when the filters need replacing. This is an optional feature in the RPW/RWC models. Replace filters when the gauge reads 40 PSI. Operating system beyond 40 PSI will not damage the unit; however, the quality of the solvent will degrade beyond 40 PSI.

H. Fusible Link

The OSHA Regulated Fusible Link that holds the lid open will release the lid if the ambient temperature reaches 165° F. Never bend the Fusible Link, as this will weaken it.



WARNING! Do not coat or paint fusible link as this may prevent proper operation. Inspect fusible link annually and replace if corrosion and/or stress is evident.

I. Leveling Bolts

The front two legs contain bolts, which are used to minimize any rocking from uneven floors, and will aid in leveling the unit. **The unit must be level to work properly.**

VII. CARE AND MAINTENANCE

A. Sump Maintenance

(Standard on PCS/WCS; Optional on RPW/RWC Models). Watch a video on how to pump out sludge at <http://www.clarustechnologies.com/whats-new/#howtovideo>

The PCS/WCS models are equipped with a sump pump to remove the accumulated sludge from the bottom of the tank. This is an optional feature in the RPW/RWC models. The pump interval depends on usage. For motor pools this interval is 3-6 months. For weapons cleaning this interval is 6 months to 1 year. See the document, Maintenance Procedures for PCS/WCS 15/25 Parts/Weapons Cleaning Stations available online at www.clarustechnologies.com.

To dump the sump, first remove the hose on the front right side of the unit, remove the cap and put it either in a bucket or barrel and turn the hose end valve on. Second, open the yellow valve handle on the main shelf. Third, move the handle back and forth on the sump pump located on the shelf. Pump the sump out till the solvent changes color. This usually takes 2-5 gallons. Turn off hose end valve, yellow handle valve, replace cap and return it to its hangar. Dispose of waste properly.

B. Canister Lid O-Ring Maintenance

Every time the filters are changed, smear a small amount of petroleum jelly around the O-ring to keep it lubricated.



WARNING! ALWAYS WEAR GLOVES AND EYE PROTECTION WHEN HANDLING SOLVENT OR FILTERS.



WARNING! When changing filters, make sure to have something underneath the used filter as you move it, such as a bucket or oilsorb, to capture any incidental drips.

C. Changing Filters.

Watch a how-to video on changing filters online at www.clarustechnologies.com/whats-new/#howtovideo

The Cleaner comes equipped with one or two 5" X 18" filter canisters. Inside these canisters are 4.5" X 17" filter cartridges. These filters need to be changed when indicated by the filter status lights (older models) or by a 40 PSI reading on the pressure gauge mounted on the filter canisters (standard feature for PCS/WCS models; Optional for RPW/RWC models). If your unit has neither feature, the recommended change interval for motor pools is 3-6 months. For weapons cleaning the filter change interval is 6 months to 1 year. If the Cleaner receives heavy usage, the change interval may need to be adjusted accordingly as the quality of the solvent will be degraded.

When the gauge or lights indicate a filter change or the recommended time interval has been reached, follow these steps to change the filters:

1. Turn all power to the system off.
2. Unplug the unit from wall receptacle.
3. Remove any soak tanks or supplies located on the working surface.
4. To create access to the filter canister lids for the Cleaner, lift and remove filter access cover cutout located on left side of work surface. (Older models require a filter wrench to twist the filter canister lid). Screw off filter canister lid.
4. With the lid off, carefully pull the used filter out of the canister. Rest the used filter on the working tray to allow it to fully drain.
5. Place a new (Clarus PN# WP680SR) filter in the canister.
6. Inspect the lid O-ring for wear, replace if needed. Apply a generous amount of petroleum jelly or grease to the lid O-ring.
7. Replace lid, screwing the lid on hand tight, then one more quarter turn. Do not over tighten.
8. If lid wrench was used, return it to its proper location. Replace the filter access cover cutouts.

VIII. DISPOSAL OF WASTE OIL AND BY-PRODUCTS

A. Solvent and Sludge.

Through normal operation, the Cleaner sump assembly will collect small quantities of waste solvent and sludge. These small quantities of solvent and sludge should be stored in waste tank/drums and must be disposed of properly.

The disposal of waste solvent and water can most easily be done by contacting a waste oil hauling company in your area or the environmental specialist at your place of operation.

It is the responsibility of Cleaner owner to contact all local, county, state provincial and federal agencies to inquire about guidelines for proper disposal of solvent and sludge and other fluids generated through the use of these Cleaners. Obtain these guidelines in writing and keep them in your files. It is critical to follow these guidelines and stay tuned to any changes in the laws that might affect your practices.

Disposal of all waste solvent and sludge must be tracked and documentation of proper disposal kept on file.

B. Filter Disposal.

As the filters of the Cleaner plug over time, they will need to be changed out and disposed of properly.

The owner of the Cleaner is responsible for contacting all local, county, state, provincial and federal agencies regarding handling and disposal of used filters and oilsorbs. Obtain these rules in writing and keep them on hand for reference.

To document compliance, owners must follow these guidelines and track all disposal times and charges with receipts.

IX. TROUBLE-SHOOTING



WARNING! Make sure all switches are in the “Off” position and the Cleaner is unplugged before performing the troubleshooting steps. Once the trouble shooting steps are complete, plug-in Cleaner to the wall outlet and then turn applicable switch(es) “On” .

A. Light doesn't work

1. Check power cord, is it plugged into electrical box plug labeled “Light”?
2. Replace light bulb, 150-watt halogen.
3. Confirm Cleaner is plugged into wall outlet.

B. Fusible Link doesn't line-up with tab on lid

1. Adjust bolt on fusible link.
2. Switch fusible link to other side of mount on light bar.
3. Loosen and realign light/lid bar assembly and retighten in correct position.

4. Never bend Fusible Link, this will weaken it!

C. Air Gun has low pressure or doesn't work

1. Check air source.
2. Check adjustment of regulator.
3. Check air hose for kinks or damage.
4. Confirm air pump is plugged into the electrical box.

D. Soak Tank Pump doesn't work

1. Check for defective power cord; plug in pump with extension cord.
2. Inspect pump base screen and impeller for damage or obstruction.

E. Wand/Brush leaking or drips

1. Tighten fittings.
2. Remove fittings and remove Teflon tape, then re-tape and re-assemble.
3. Tighten hose clamps.
4. Check for damage and wear, replace as necessary.

F. Canister Lids difficult to remove and install

1. Lubricate lid o-ring and threads with petroleum jelly (Note: always apply petroleum jelly to o-ring with every filter change). Do not overtighten lids.

G. Sight Glass dirty or clogged

1. Blow clean with air gun or fluid nozzle (opening is inside tank just above pan opposite sight glass).
2. Replace with new clear hose.

H. Main Pump not running

1. Check power cord, is it plugged in to electric box on lower shelf?
2. Plug pump into extension cord to verify power.

I. Pump running but not pumping fluid

1. Remove fluid from tank, remove intake and discharge hose from pump. Use compressed air to clear hoses.
2. Remove front cap on pump and check for debris or wear. Replace if necessary.

J. Main Pump leaking

1. Inspect for damage.
2. Remove front head assembly and inspect for proper assembly, blow clean with air gun and reassemble.

K. Sludge Pump leaking

1. Inspect for cracks, damage or wear.
2. Replace pump if needed.

L. Plumbing leaking

1. Tighten hose clamps.
2. Check all hose connections and hoses for wear or damage and replace if necessary.

3. Remove plumbing fitting and re-tape with Teflon tape. Re-install and tighten.

M. No Power Main Pump, Light, Soak Tank Pump do not work

1. Confirm power to wall outlet.
2. Check fuse (10Amp) in electrical box.

X. SOLVENT, FILTERS AND REPLACEMENT PARTS

PN	Item	Item Description
FILTERS		
WP-680SR-01	Solvent Filter (each)	A single filter element for the parts and weapons series. Also, fits the Oil-CAT and Titan.
WP-680SR	Solvent/Oil Filter Element (4/case)	Case of filter elements for the parts and weapons series. Also, fits the Oil-CAT and Titan.
PUMPS		
PCS-0022-14	Guzzler Duckbill Valve (2/pack)	
PCS-0022-01	Guzzler Inlet Flange	
PCS-0022-03	Guzzler Outlet Flange, tapped 1-1/4"	
PCS-0022-02	Guzzler Outlet Flange, threaded 1-1/2"	
PCS-0022	Guzzler/Sump Pump	
CLA-13 (PCS-0004)	Main Solvent/Oil Pump	Main diaphragm pump for PCS/WCS parts cleaning series, Oil-CAT and Titan series
REPLACEMENT PARTS		
109449	6 FJX X 6 hose barb	3/8 FJX X 3/8 hose barb
109863	6 FJX X 8 hose barb	3/8" female JIC swivel X 1/2" hose barb
PCS-0058	Air gun hose	Air gun hose only, to connect with existing air gun and regulator.
PCS-0057	Air Gun replacement	Air gun only to connect to existing air hose.
PCS-0053	Banjo Valve	Valve to close the Guzzler/Sump Pump system.
PCS-0025	Brush Hose (yellow) 4'	Solvent brush hose, 4 feet.
113043	Camlock Cap, 1"	Cap for waste hose camlock, 1"
PCS-0017	Clamp, Solvent Brush	Small clamp for solvent brush hose
PCS-0050	Completed Electrical Control Box Assembly	Includes the control box with switches for the solvent flow and light electrical box.
PCS-0029	Control Box for Soak Tank	Electrical box for soak tank or air gun options. Box only, no components.
PCS-0015-36	Cord - 36" male	Option power cord, 36"
PCS-0015-96	Cord, Power 96" male	Main power cord, 96"
113190	Decal Set for PCS/WCS-15/25	The most current set of decals for the PCS, WCS. Specify machine and tank size.
PCS-0019	Drain Screen	Screen grease and sludge from the drain
PCS-0039	Electrical Control Box	Electrical box with no components installed.
PCS-0038	Filter Access Hole Cover	The metal plate to cover the filter canister holes in the solvent tray.
107215	Filter Housing	The filter canister without the lid and no fittings. Filter not included.
107216	Filter Housing Lid	Filter housing lid only
PCS-0041	Filter Housing with Fittings	Filter canister housing and lid with fittings to connect to your existing hose. Filter not included.
PCS-0044	Fluid Indicator (6" hose)	Replaces the fluid level indicator gauge
PCS-0016	Fuse Holder	Grey fuse holder inside electrical control box.
PCS-0026	Fuse, 10 amp	Electrical fuse
PCS-0011	Fusible Link	The small metal fusible link is attached to the light bar and holds open the lid.
109770	Gasket, Solvent Filter Housing Base	Gasket underneath the filter canister housing base
PCS-0036	Grey Plastic Bin for Pre-Clean	Mounted grey bin underneath the pre-clean shelf
PCS-0064	Guzzler Hose barb	Hose barb that connects the guzzler to the waste hose
PCS-0010	Hose Clamp Large	Clamps the waste hose onto the guzzler hose barb
PCS-0034	Hose Clamp Small	Clamps the hoses onto the main solvent/oil pump
PCS-0065	Hose, tank to Guzzler Hose Assembly, 1-x1/2" x 48"	The hose underneath the washers,
PCS-0030	Lid Clips	The lid clip holds lid open by clipping onto the fusible link, attached to the light bar assembly.

PN	Item	Item Description
PCS-0035	Light Assembly, 250 watt	Light only, no bar.
PCS-0001	Light Bar Assembly	Includes light bar, mounting hardware, halogen light and power cord.
PCS-0023	Light Bulb	250-watt halogen light
PCS-0006	Misc. 1/2" Hose per foot	Red solvent/oil-resistant hose in 1/2" diameter. Specify Length.
PCS-0007	Misc. 3/8" Hose per foot	Red solvent/oil-resistant hose in 3/8" diameter. Specify Length.
PCS-0012	On/Off Switch	The two-position switch for controlling the light, soak tank, and solvent flow.
113250	O-Ring, Elbows	O-rings for canister elbows
PCS-0027 (109548)	O-Ring, Filter Canister Lid	O-ring for the filter canister lid
113335	O-Ring, Guzzler/Sump Pump	O-Ring for the Guzzler/Sump Pump
113334	O-Ring, Main Solvent/Oil Pump	
PCS-0008	Plug, 3/8"	To plug unused option hole in PCS/WCS lid
113330	Power Conversion to 220V for Tornado	Plug in step up/down transformer for power conversion to/from 120/220V.
PCS-0037	Pre-Clean Shelf Tray Liner	Lines the pre-clean shelf
PCS-0031	Pressure Gauge, 0-60	Filter life gauge
PCS-0013	Push button switch	Green mushroom head ON switch
PCS-0032	Relief Valve	45 psi relief valve
113270	Replacement Lid w. decals	Includes new powder coated lid with all current decals.
PCS-0059	Siphon Plastic Drum Pumps	Pump used to siphon solvent from a 55-gallon drum.
PCS-0018	Soak tank electrical assembly box	Includes the control box with switches for the soak tank and/or air gun option.
PCS-0005	Soak Tank Pump	Submersible agitation pump used to clean small parts in soak tank.
PCS-0033	Soak Tank Pump Intake Screen	The screen on the soak tank pump to prevent debris from entering pump.
RSB-1	Solvent Brush	Replacement solvent brush
109728	Straight, 8 Hose X 8 FJX	Straight, 1/2 Hose X 1/2" female JIC swivel
PCS-0028	Switch contact block	Contact block to fit the on/off switch.
PCS-0051	Timer	Times the solvent flow of washers.
113220	T-wrench, Filter Lid	T-wrench to open legacy metal canisters
PCS-0002	Wand Nozzle	The solvent flow nozzle
PCS-0003	Wand Valve, 1/4 turn	Wand valve to turn on/off solvent flow to brushes
1156-55	Solvent, 55-gal drum Type II-A	
250-SS	Solvent, 55-gallon Type V	
1156-15	Solvent, 15-gal, Type II-A	

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