

PS-16/PS-30

PARTSWASHER CLEANER / RECLAMATION SYSTEM

Assembly and Instruction Manual



EFS Group
Introduces the
PS-16/ PS-30
PARTSWASHER CLEANER / RECLAMATION SYSTEM

EFS Group has an enviable reputation within the Industry as the leader in solvent substitution and waste reduction technologies.

These machines are designed as remote reservoir partswashers. They both meet or exceed most air quality requirements for remote reservoir solvent cleaning.

Both the **PS-16** and **PS-30** are equipped with the **purasolve Filtration System**, a unique element that filters down to .1 of a micron nominal. When properly managed, this system used with **purasolve Parts Cleaning** solvents, generally extends solvent life for several years. Documented waste reduction averages 99% per installation for this waste stream.

The **purasolve** range, as opposed to other cleaning compounds, is environmentally compliant. Installations and units who currently use **purasolve** products have frequently been nominated for and have received a variety of prestigious awards.

Enjoy your **PS-16 and PS-30** Partswasher/Weapons Cleaning System using **purasolve** solvents.

TECHNICAL DATA:

PS-16 Partswasher Cleaner / Reclamation System.

EFS Group developed the **PS-16** for high-volume usage. This machine was designed as a smaller version of our **PS-30** Partswasher / Reclamation System for limited space restrictions.

Specifications: Overall dimensions: 775mm l x 550mm w x 1325mm h
Inside tub dimensions: 650mm l x 425mm w x 175mm h
Steel tub
1 drain baskets
Heavy-duty steel work tray
One flow-through brushes
One hydraulic lid assists
Solvent capacity: 50 litres
Electrical requirements 240 volt, 50Hz
240 volt 2000 ltr/hour pump

PS-30 Partswasher Cleaner / Reclamation System.

EFS Group developed the **PS-30** for high volume-usage. This system provides a motor pool partswasher that has a handier size requiring less solvent for operations and making acquisition more cost effective. It is equipped with **purasolve** Filtration System, a unique element which filters down to .1 of a micron nominal. When properly managed, this system usually extends solvent life for several years. It is designed as a remote reservoir partswasher and meets or exceeds most air quality requirements for remote reservoir solvent cleaning.

Specifications: Overall dimensions: 925mm l x 675mm w x 1575mm h
Inside tub dimensions: 200mm l x 500mm w x 200mm h
14 gauge steel tub
1 drain basket
1 flow-through brush
One hydraulic lid assist
Solvent capacity: 100 Litres
Work light
Electrical requirements 240 volt, 50Hz
240 volt 2000 Ltr/hour pump

Assembly Instructions for Drum Mounted Washer

1. Remove all items and packing material from box.
2. Set the partswasher top on two supports with the bottom of the unit a minimum of 200mm above the floor. Do Not place the partswasher sink over the drum before completing the assembly instructions.
3. Install the pump-motor assembly including the pump inlet screen and hang it under the partswasher sink. (Figure 1)

Be sure to slide the pump hanger hook through the channel located on the bottom of the partswasher. Do not force. It will be necessary to tilt the assembly slightly to the front to slide the hook through the channel. The pump inlet should face the front side of the sink. Note that the pump should draw fluid from the centre of the solvent drum.

4. Bolt the filter assembly to the partswasher lip. Normal installation is on the left side of the upper lip of the unit. Hold in position and secure. (Figure 2)
5. Install 2 metre hose on pump assembly using clamps provided. Pick up tank and put on drum with pump hanger into hook. Put hose and electric cord through hole in back of partswasher. The electrical cord goes to the electric box plug. Install hose from chrome filter (out) to bushing in back of partswasher. (Figure 3)
6. Install the hose coming from the pump to the "IN" port on the pre-filter canister housing head. Tighten the hose clamp.

For the PS-30 Only

7. Place the fluorescent bulb in the protective sleeve. Place the two (2) round tube end covers over the pins and insert the tube into position on the partswasher lid. (Figure 4)

Plug the power cord for the fluorescent light into the back of the master switch box located on the lower right front of the sink.



Figure 1



Figure 2



Figure 3



Figure 4

8. Plug the power cord for the pump-motor into the back of the master switch box located on the lower right front of the sink.
9. Plug the cord from the master switch box into any standard grounded, 240 volt, 50 Hertz, fused power source. Warning, do not turn the master switch on until the solvent has been added to the solvent reservoir drum; damage may result to the pump.
10. Add the solvent to the solvent reservoir drum by pouring it into the partswasher. The reservoir drum should be approximately half full.
11. Turn the master power switch on (Figure 5) and verify that the light and pump come on. Check for leaks at all hose fittings and filters. If leaks are detected, shut off master power switch and correct. Verify that the solvent flows into both the goose neck and flow through cleaning brush by changing the valve at the base of the goose neck in the bottom of the sink. Always run pump at least 45 minutes each day.



Figure 5

SERVICING

Routine maintenance and servicing of the Partswasher units is a very simple and can be normally accomplished within five minutes per unit. It is suggested that routine maintenance be accomplished at fixed intervals such as once per month. At this schedule time, the following should be accomplished.

1. Turn partswasher off.
2. Visually inspect exposed electrical wiring for damage. Repair if required.
3. Verify that works light and pump-motor are securely plugged in. Verify that the partswasher primary power cord is securely plugged in.
4. Remove partswasher strainer and observe solvent level in the drum. Add solvent so level is approximately half of the drum. **DO NOT OVER FILL.** Replace parts washer strainer.
5. Remove pre-filter canister. Pour excess solvent into the partswasher. Remove filter element. If stainless steel element is used, remove debris from the element and canister into the satellite collection drum. If Resin element is used, remove and set inside of partswasher to drain. Replace cleaned stainless steel element or new Resin element into canister and screw canister on filter head. **DO NOT OVER TIGHTEN.**

6. Remove the filter canister by removing retaining strap. Pour excess solvent in partswasher. Remove wire retaining ring from inside of canister. Remove filter by pulling on the wire loop in the center of the filter element. Remove wire loop from filter element. Set element in partswasher to drain. Place wire loop in center of new filter. Slide new filter into canister with wire loop facing out. Replace wire retaining ring. Set canister on filter head, replace retaining strap and tighten. **DO NOT OVER TIGHTEN.** Direct solvent flow away from draining element. Turn pump on.
7. Observe full solvent flow from flex hose.
8. Turn manual flow valve to nylon flow-through brush. Observe flow through flex hose is stopped. Observe full flow through brush. Return manual flow valve to flex hose. Observe full through flex hose.
9. Verify fluorescent light is operational. If not, turn unit off, remove primary power to the unit and replace bulb. Observe that white end caps are in place at both ends of fluorescent bulb.
10. Observe that power switch is lighted. If not, and unit is on, turn unit off, remove primary power to the unit and replace electrical assembly.
11. Verify that the lid fully closes. Verify that the proper fusible link is used.

WARRANTY:

In the interest of maintaining the highest possible customer satisfaction with our equipment and technology, EFS Group offers the following warranty on all of our equipment:

“Lifetime free replacement of all damaged, worn out, or broken parts as long as the customer has used only EFS/purasolve orated solvents and filters in the equipment.”

CUSTOMER SERVICE:

Should you have any questions, comments, or concerns, our customer service line is open from 0700 – 1700 EST, Monday – Friday.

Please contact us toll free at 1800 777 580 or via email at sales@efsgroup.com.au