



**purasolve**

# Retrofit Filter Kit

*Installation & Operating  
Instructions and Procedures*



**envirofluid**  
FORA BETTER WORLD



## COMPONENTS:

1. Purasolve Filter System Mounting Bracket-containing filter housings and “jump hose” between the filter housings. (1)
2. Intake and outlet hoses. (2)
3. Hose clamps of appropriate diameter for hoses. (4)
4. 1/2” Mounting bolts with lock washers and nuts. (2 sets)

## NECESSARY TOOLS

1. 1/2” socket or crescent wrench
2. Small flathead screwdriver
3. 5/16 drill
4. Hose cutter
5. Wire cutter and electric wire connectors (if necessary)

## INSTALLATION INSTRUCTIONS - PARTSWASHER

1. Can be installed with the existing pump. Alternatively, replace the existing pump, or use the LG 4SP pump independently.  
The pump should be mounted in the tank with the intake facing the centre of the tank, where it will be submersed in solvent. Plug pump into the switch box on the partswasher, or into a power box with a switch.  
For retrofitting a sink-over-drum style unit, a Hangar Hook is required to attach to the pump. This hook will attach to the edge of the drum, or a bracket at the bottom of the sink, and suspend the pump in the solvent tank.
2. Attach the hose to the outflow hose nipple at the top of the pump, and secure the hose clamp to the hose/nipple coupling.
3. Mount the Filter Mounting Bracket to the side of the tank. Begin by drilling the two holes in the side to correspond with the mounting holes in the bracket. Attach the Bracket using the two bolts supplied.  
NOTE-The Bracket should be mounted within reach of the hose, and above the level of solvent in the tank!
4. Connect the hose from the pump to the intake nipple on the Pre-Filter Housing. This housing is the long housing on the left side of the Bracket. Secure the hose clamp to the hose/nipple coupling.
5. Connect the other length of hose to the output nipple on the top of the filter housing. This is the metal canister on the right side of the Bracket. Secure the hose clamp to the hose/nipple coupling. Connect the other end of the hose to the spigot or flow-through brush hose nipple (this connector may need to be added).
6. Check to be sure the Pre-Filter housing is tightly screwed into place. Check that the retaining ring clamp on the filter housing is tight. The filter housings come from the factory with filter elements already in them.
7. Fill tank with Purasolve solvents.



## **INSTALLATION INSTRUCTIONS - PAINT GUN WASHER**

1. Mount the new pump at the base of the washer.
2. Attach the air line from regulator to pump.
3. Attach the fluid line from base of washer to pump “in” coupling. Attach one of the Kit hoses to the “out” coupling on the pump.
4. Connect the grounding wire to appropriate ground connection.
5. Follow bracket mounting instructions (above).
6. Fill tank with Purasolve solvents.

## **INSTALLATION INSTRUCTIONS - BATCH-FILTERING UNIT**

1. Place pump in collection tank. Pump must be a minimum of 3” from the bottom of the tank to prevent sludge from choking the pump. Place unit within reach of the power cord for the pump. Power source should be equipped with an On/Off switch.
2. Mount Filter Bracket, being sure to mount within range of the supplied hoses.
3. Attach hose to nipple on top of pump. Secure hose to nipple with hose clamp. Attach the other end of that hose to the “in” nipple on the Pre-Filter Housing. The Pre-Filter is the elongated Housing at the left side of the Bracket. Apply hose clamp to hose/nipple coupling.
4. Attach other hose to “out” nipple on the top of the Purasolve Filter Housing. The Housing is the metallic canister at the right side of the Bracket. Apply hose clamp to the hose/nipple coupling.
5. Run the hose which comes from the Purasolve Filter back into the collection tank – OR – run this hose into a “cleaned solvent” tank. When running a recovery tank, you should allow time for the Purasolve Filter System to clean the contaminants from the solvent. Estimate 1 minute per 3litres. After circulating the solvent through the Purasolve Filter System for an appropriate period, pump the solvent into a “cleaned solvent” container.

## **TROUBLESHOOTING THE SYSTEM**

1. Low flow through the Purasolve Filter System.  
This is the most common instance where troubleshooting is necessary. Follow these steps:
  - i. Inspect hoses to check for kinks or pinches which would restrict flow.
  - ii. For partswasher application: check fluid level in tank, flow will be low and “foamy” if fluid level does not cover pump intake. Also, check pump intake for foreign matter or sludge blocking intake.
  - iii. Filters may need changing. Remove filters from housings, replace housings (after cleaning inside of housings) and turn on the pump. If flow is strong, replace the filters. The filters should be replaced regularly.
2. Component Failure  
All parts of the Retrofit Kit are warranted, as long as ONLY Purasolve solvents and Filter Elements are used. (excluding external damage)
3. Changing out the tank - Paint Gun Washer.
  - i. Open drain valve and drain cleaner into clean container(s) for settling. Allow the solvent to settle for at least 1 day. There will be material which will rise to the top that will be still usable.
  - ii. Pour a small quantity of cleaning solution into the tank and wipe the walls of the tank. Then re-open the drain valve to drain.
  - iii. Unless the filters have been changed recently, change the filters at this time.
  - iv. Re-fill the tank with fresh Purasolve solvent.

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