



Quality You Can Count On

~ since 1969 ~

POWER CLEAN SYSTEM

Parts Washing Solutions for the 21st Century

NEW

*New generation of
parts cleaning systems*



SAFE

Safe for employees and environment



SAVE

Saves you money



Why Choose *Pro Chem's* Power Clean System?

If you haven't noticed, the parts washing industry is in the middle of a dramatic change. Emphasis is being placed on pollution prevention and a reduction in the hazards that workers are exposed to. From this a new generation of parts cleaning systems has emerged. These systems are based on cleaning power without sacrificing environmental concerns.

Pro Chem is now a leader in this new technology by integrating Power Clean System. This system is a new safe and highly effective pH neutral, water based cleaning solution with the natural power of microbial bioremediation. Power Clean System provides a parts cleaning system that rivals other solvents in performance, is safer for your employees and can save you money. These benefits address all of your concerns related to parts washing.

Bioremediation is the process of using living organisms (eg. bacteria) to clean up spills or remove other pollutants from soil, water and wastewater. The process of bioremediation, when combined with parts washing, creates a solution to dramatically reduce your waste disposal costs.

PARTS WASHING EQUIPMENT

POWER CLEAN 30—Aqueous Parts Washer

- Heavy Duty Sink
- Extra Long Spout and Flexible Hose

Sink Dimensions:

Width: 36" Depth: 29" Height: 9"

Fluid Capacity: 25 gal (min) -30 gal (max)

Operating weight: 267 lbs (min) -310 lbs (max)

Shipping: 55 lbs (without fluid)

Operating Temperature: 105°F (+/-) 10°F

Pump Capacity: 170GPH

Power: 115 volts





Power Clean-Parts Washing Solution

Water-based, bioremedial, part washing solution.

- **Cleaning effectiveness:** Cleans a wide range of soils, including oil and grease, carbon and most adhesives, paints and inks. Safe for multi-material parts, safe rust inhibitor in solution prevents rusting of parts.
- **Environmental Compliance:** Eliminates the generation of liquid hazardous waste. Reduces storage, transportation and disposal. SCAQMD Certified “Clean Air Solvent” contains no HAP’s, ODC’s and GWC’s and negligible VOC’s. Eliminates the need for reporting under RCRA of SARA
- **Workers Health and Safety:** Totally safe for workers and is non-flammable. Contains no harmful cleaning additives such as organic solvents, acids, caustics or alcohols.
- **Cost Effective:** Reduced transportation cost. In system bio-remediation keeps solution clean, so you do not need to replace the solution, drastically lowering cost. Minimizes record keeping and reporting cost.





PARTS WASHER OPERATION

1 - Parts Cleaning

Oil, grease, and other soils are cleaned from the part by the Power Clean solution. These contaminants are broken down and washed down the Power Clean's drain. A rust inhibiting feature of the solution prevents any flash rusting of parts.

2 - Initial Filtration

Inert solids (nuts, bolts, gaskets, lent, grit, etc.) are filtered from the solution by the sink strainer and the reusable, stainless steel drain filter (typically less than a fistful per month). The filtered Power Clean solution, oil and grease pass through the filter and into the fluid reservoir below.

3 - In-System Bioremediation

Once in the reservoir, most of the oil and grease is emulsified into the Power Clean solution. A small amount will float on the liquid surface in the reservoir, providing an evaporation barrier and a continuous food source for the microbes. The Power Clean microbes eat the emulsified oil and grease, continuously converting it to harmless carbon dioxide, water, and more microbes! The result is that the Power Clean solution is constantly being cleaned; eliminating a need to dispose of spent parts cleaning fluid!

4 - Periodic Reservoir Filtration

Periodically (every 6 to 18 months), biomass and fine particulate sludge (carbons, clays, etc.) are filtered from the reservoir using the 25-micron System Cleaning Filter. The process is simple, using the Power Clean's Flow-Thru Brush and the fluid pump. Once the system is cleaned, the filter may be disposed of along with your normal waste.

A - Fluid Level Indicator

Simple design has no electrical or mechanical parts (it's based on a simple plumber's float), so there's nothing to break.

B - Pump On/Off Switch

Simple, boot-protected toggle switch operates the fluid pump.

C - Flow Nozzle & Flow-Thru Brush

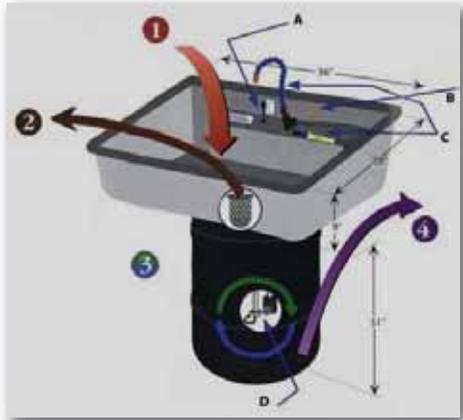
Provide two convenient ways to clean parts. Solution flow can be diverted through one or both. By simply using the Power Clean to clean parts, the system's solution is mixed & aerated, optimizing the in-system bioremediation.

D - System Heater & Fluid Pump

The Power Clean's heater is self-regulated and maintains the fluid at a comfortable temperature for optimum cleaning and bioremediation. These are the only two electro-mechanical components, maximizing the reliability of the Power Clean system. Their unique hang-mount design and plugged power cords allow for extremely easy repair, should a problem ever occur.

System Specifications:

- Material of Construction: HD Polyethylene
- Fluid Capacity: 25 gal. (min) - 30 gal. (max)
- Operating Weight: 267 lbs. (min) - 310 lbs. (max)
- Shipping Weight: 55 lbs. (without fluid)
- Maximum Work Piece Weight: 200 lbs.
- Operating Temperature: 105 °F (+/- 10)
- Pump Capacity: 170 GPH
- Power: 115 volt, AC, 60 Hz Single-phase
- Heater Load: 3.2 amps, 350 watts - intermittent
- Max Pump Load: 0.7 amps, 47 watts





Frequently Asked Questions about Power Clean

Q: Is *Power Clean Solution* effective?

A: Yes, it is just as effective as a harsh solvent such as mineral spirits in cleaning grease and oil off of the dirtiest of parts.

Q: How does *Power Clean Solution* work?

A: The Power Clean solution breaks the surface tension off the grease and lifts it off the hydrocarbon waste and destroys the grease and oil once they have been lifted away from the part.

Q: Does it clean all types of parts?

A: Yes, *Power Clean Solution* cleans metals, plastics and other material not harmed by water.

Q: What happens to the grease and oil?

A: The filter in the *Power Clean 30 Parts Washer* will trap the solid particles. The microbes in the reservoir will begin to eat away the hydrocarbons, breaking them down into carbon dioxide and water.

Q: How often do I add *Power Clean Solution* to the reservoir?

A: You should not need to change the solution. That is one of the main advantages of the *Power Clean System*. The microbes clean the contaminants, the hydrocarbon materials are bioremediated so the used solution does not need to be classified and hauled off as toxic waste.

Add 1 quart of *Power Clean Solution* in the reservoir and 1 pack of the microbes every 4-6 weeks. Also, place 5 gallons of clean water in the reservoir to compensate for evaporation and dry outs.

Q: Can I use other parts washing products in the *Power Clean 30 Parts Washer*?

A: Pro Chem has developed this unit to work specifically for the *Power Clean Parts Washing Solution*. Other products may damage the machine or kill the microbes.

Q: Does the solution need to be heated?

A: Yes, by using it in a heated unit, it is about 25% more effective.

Q: What are the benefits of using *Power Clean Solution*?

A: By switching to *Power Clean* from a solvent, you will control your cost and minimize hazardous waste. Since no hazardous by-products are created, expensive disposal cost are not required. The hazardous waste caught in the filter needs to be disposed of in a responsible manner, in accordance with the state and local regulations. Also, you will not incur a monthly service charge related to hauling off the hazardous waste.

Let Pro Chem be your source for all of your parts washing requirements. In addition to our Power Clean Program we have the following products available:

Degrease-It – A natural parts washer degreaser for use in aqueous parts washer

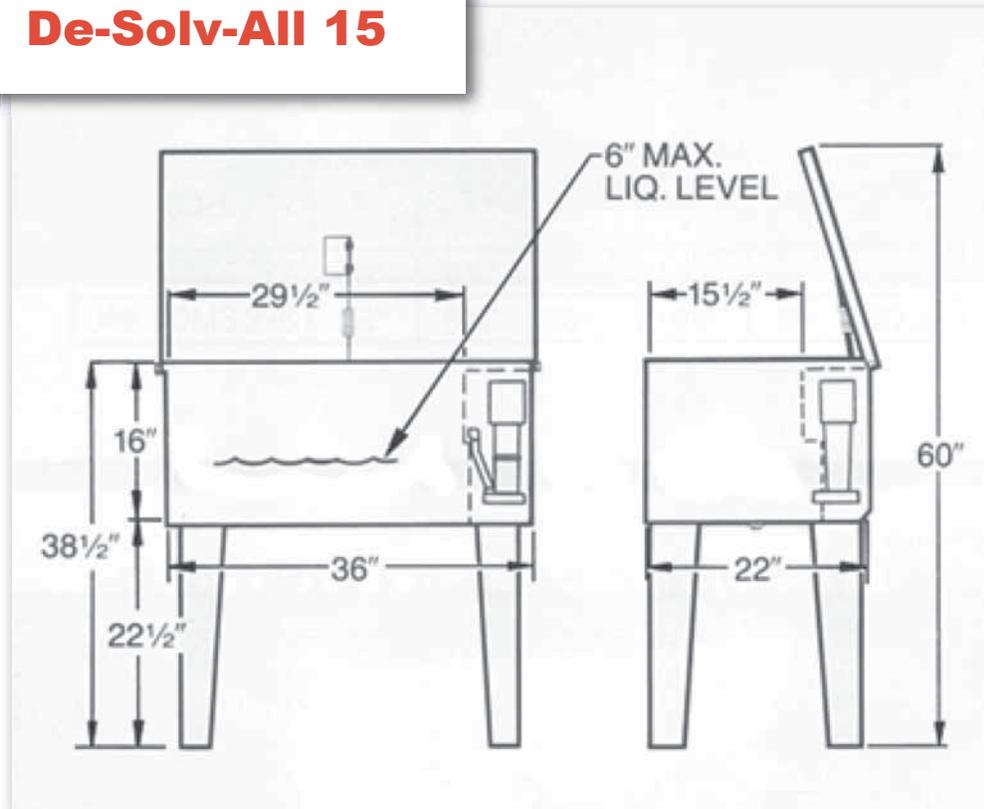
- *Cleaning Effectiveness* – Cleans grease, oil and grime off of parts. Quickly and safely dissolves and flushes away grease and grime.
- *Environmental Compliance* –
 - Neutral pH, non-butyl. Also, contains no phosphates, solvents, silicates or chelating agents.
 - Oil splitting agent allows for easy water and oil separation generating a high degree of product recovery.
- *Worker and Health Safety* – High flash point of 144°F adds a degree of safety in use. Contains no harmful cleaning additives such as acids, caustics or alcohols.
- *Cost Effectiveness* – Multiple use products may be used in Parts Washer, automatic scrubber or ultra sonic applications. Separates out many soluble contaminants such as heavy grease and oil.

De-Solv-All – A non-hazardous, mineral oil based, biodegradable parts washer solvent

- *Cleaning effectiveness* – Formulated from natural orange terpenes to effectively remove grease, oil, ink and tar.
- *Workers Health and Safety* – Dielectric strength of 48,400 volts.
 - Carries a high flash point of 150°F
- *Environmental Compliance* –
 - Contains no chlorinated solvents.
 - 100% biodegradable
- *Cost* – Does not lose its cleaning effectiveness due to evaporation or low oil saturation levels. Does not require frequent change outs.



De-Solv-All 15

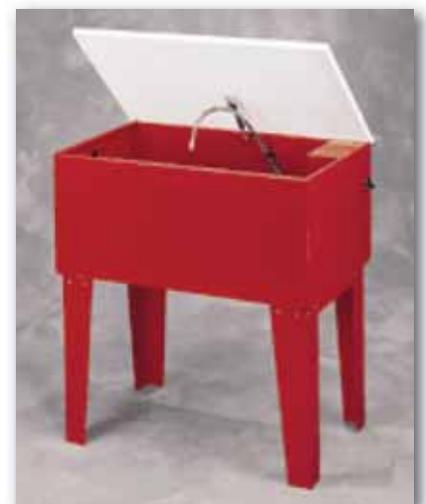


De-Solv-All 15 – Solvent Parts Washer

- Heavy Duty Sink
- Extra Long Flexible Spout
- Safety Lid
- Free Standing

Sink Dimensions:

Width: 29½" Depth 22" Height 16"
Operating Fluid Capacity: 8½ - 15 gal
Motor: 115 Volts





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