



2010 Innovation Award

ChemChamp is the recognized leader in delivering innovative and cost effective solutions for onsite:

- Chemical Recycling
- Paint-Gun Cleaning
- Supporting Technologies



ChemChamp: *The Evolution*



Since 1995 we've sold
more than 6,000
paint waste recyclers



1990

2000

2010

- Broadened our focus over the last five years to expand into parts cleaning equipment, paint gun cleaning equipment, and a variety of other chemical recycling markets
- **ChemChamp's** mission moving forward is to usher in a new era of smarter, better, and greener management of chemicals and their waste by-products



Mission | *To develop products that are good for the world*

Every year **ChemChamp** Customers help to:

- Recover more than **8 million gallons** of used solvent
- Reduce greenhouse gases by nearly **200 million pounds**
- Put an additional **\$75 million** directly to their collective **bottom lines**

Today **ChemChamp** provides:

- **A comprehensive mix of cleaners, recyclers and accessories**
- **Sales and service excellence that spans across North America**
- **A relentless focus on delivering economical and earth-friendly solutions**

The ChemChamp Product Line



Chemical Recyclers

Constant Clean for parts cleaning solvents
A5 & A18 for paint waste and other chemicals



Chemical Pumps

C-Pump , the first cost-effective
automatic drum pump



Paint Gun Cleaners

Complete line from basic manual
cleaners to high-end automatic systems

The Constant Clean

A patent pending, revolutionary new solvent recovery technology

- Attaches to any parts washer
- Recovers 99.9% of solvent for reuse over and over again
- Operates completely automatically with no user intervention required

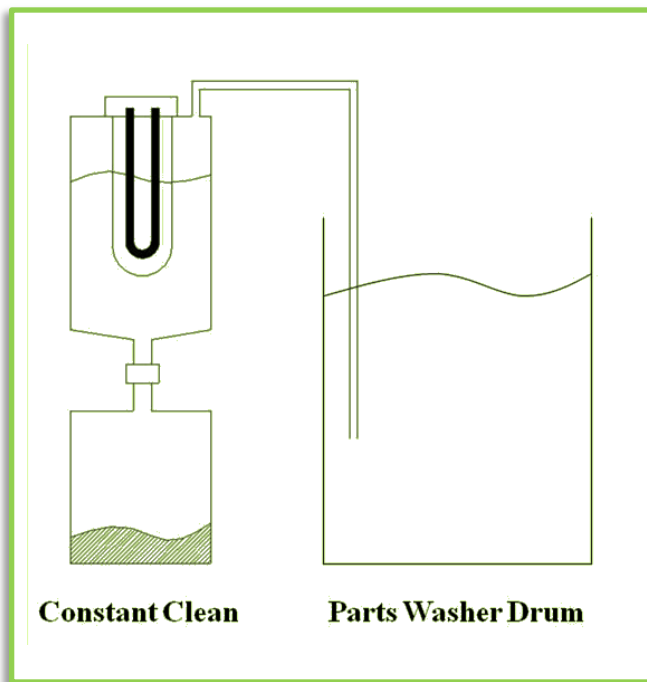


Saves money, provides clean solvent every day, and virtually eliminates hazardous waste generation.



The Constant Clean

- The most important component of the Constant Clean's operation is that it works automatically – you press start when you first install the unit and never touch it again



The process itself is very simple:

- A single tube connects the parts cleaner and Constant Clean
- Dirty solvent is siphoned from the parts cleaning drum into the Constant Clean distillation chamber
- Once the chamber is filled, the unit initiates the heating process
- The solvent is boiled and turned into vapor
- The unit's "smart chip" automatically senses when all of the solvent has been removed and stops the heating process
- The vaporized chemical is then cooled, condensed into a liquid, and transferred back through the tube into the parts cleaning drum
- The residual, "waste product" (primarily oil) falls automatically into the waste container

- Once one batch is finished a new batch is automatically transferred and the process starts all over again

The **Constant Clean**

Critical Technical Specifications

- Recovery Rate: Up to 20 gallons per day
- Size: 34"(l)x52"(h)x17"(w)
- Weight: 95lbs (comes with wheels so easy to move)
- Power: No special voltage, standard 110 works
(no air required)
- Solvent Compatibility: Any petroleum solvent with a flash greater than 104° F

The Constant Clean

Maintenance / Service Requirements

- Part of the reason that this technology is so affordable is because it is so simple
- There are very few moving parts in the entire machine that could fail
 - It has a heating element, a fan, and a control board – that's it
 - The plumbing and all of the interior surfaces are either stainless steel or chemical resistant Teflon
- The only ongoing service requirement is to drain the oil when the “waste full” light is illuminated
 - Simply open the valve connected to the hose at the bottom of the machine (drain 5 gallons of dirty fluid)
 - Add 5 gallons of fresh solvent to the parts cleaner and re-prime the system



The Constant Clean

Why it's Better

- There is only one other similar technology on the market (The System One); the Constant Clean recovers 4x the amount of solvent at a fraction of the cost. THERE IS NO COMPARISON
- Other benefits include:

Feature	Benefit
99.9% solvent recovery	• Reduced solvent cost • Faster, more effective cleaning
Waste reduction of 20+ to 1	• Reduced cost • Elimination of waste liabilities
Automatic operation, waste collection, and solvent top-off	• No operator involvement • Automatic “service”
Attaches to any parts cleaner	• No additional investment required
Completely mobile	• Can be used with multiple units
Small footprint	• Easily fits in existing operation

Value to You

1) **Cost savings**

Minimal solvent purchases. No more waste disposal costs. In most cases, the investment will pay back in under one year, especially with the 2011 Tax Incentive

2) **Clean solvent every day**

Access clean solvent all day, every day, making the job easier and you more productive

3) **No more hazardous waste generation**

Eliminate the headaches and liabilities that come with hazardous waste generation

4) **You will be doing good for the world**

The **Constant Clean** is aligned with the growing global focus on resource conservation. It also has the added benefit of reducing both greenhouse gas emissions and dependence on oil



Appendix



Constant Clean



Constant Clean Specs

CLASSIFICATION:	Non-Hazardous Locations
ELECTRICAL PROTECTION:	INTRINSIC PROTECTION
VOLTAGE:	120 VAC, SINGLE PHASE, 50 or 60 Hz
AMPERAGE:	9.7 AMP
POWER:	1.063 kW
CAPACITY:	20 Gallons per day (75.71 Liters)
OPERATING TEMPERATURE:	53.5 F to 650 F (12C to 343C)

Constant Clean Specs (cont.)

SAFETY THERMOSTATS:

ELEMENT: 694 Fahrenheit
(ELEMENT: 367.7° CELSIUS)

MATERIAL (DISTILLATION CHAMBER):

STEEL

PATENT PENDING PROCESS:

- 1) Contaminated Solvent Recycling System
- 2) Solvent Recycler

DIMENSIONS:

DEPTH: 29.5 Inches (75 cm)
HEIGHT: 43.5 Inches (110.5 cm)
WIDTH: 16.25 Inches (41.3 cm)

WEIGHT:

100 Lbs. (159 kg)

The ChemChamp Bundle



ChemChamp 3000 Parts Washer and the Constant Clean



The ChemChamp 3000



- Heavy duty construction
- Gas shock fire link protected SS lid
- Spigot and brush
- 300 GPH pump
- Drain with catch basin for smaller parts
- Removable 30-gallon drum under unit
- Easily serviced
- Large cleaning basin: 38"x28"x6"-10"

The drum is on a slider below.

The Constant Clean Versatility



The Constant Clean can be easily attached to any Parts Washer.



Constant Clean Easy Installation

Installation Steps

- Remove unit from pallet and set next to Parts Washer or desired location.
- Prime unit. Use BLACK hose mounted at the bottom of the unit to Prime.
- Insert clear hose in back of unit into Parts Washer drum or sump area.
- Turn brass valve on black hose to open and insert Parts Washer spigot into end of black hose.
- Once inserted turn Parts Washer on, and start priming the unit thru the Black hose.
- Prime is finished when fluid fills chamber and starts flowing back into drum/sump of washer.
- Turn Parts Washer off, turn brass valve to close position and replace brass cap.
- Roll up Black hose and put back under unit for future.
- Plug unit into outlet and Turn unit on.
- USUAL SET UP TIME – 5 MINUTES
- **Always use clean solvent when installing unit for the first time**

Waste Disposal (when waste light comes on)

- Use Black hose under unit to empty waste chamber.
- Turn unit off. Let sit for 2 hrs, fluid will be hot so this is cool down time.
- It is only necessary to empty 2 – 3 gallons of fluid.
- Put brass valve in bucket and open valve, fluid will start to drain.
- When fluid has been removed, re-prime the unit.
- Add 2-3 gallons of fresh solvent back into the parts cleaner.
- Close valve, re-cap, roll up and put back under unit.
- Turn unit on.



Easy Installation (cont.)

STEP #1

Install next to Washer



Step #2

Install hose in back of unit



STEP #3

Prime Unit



Before

After



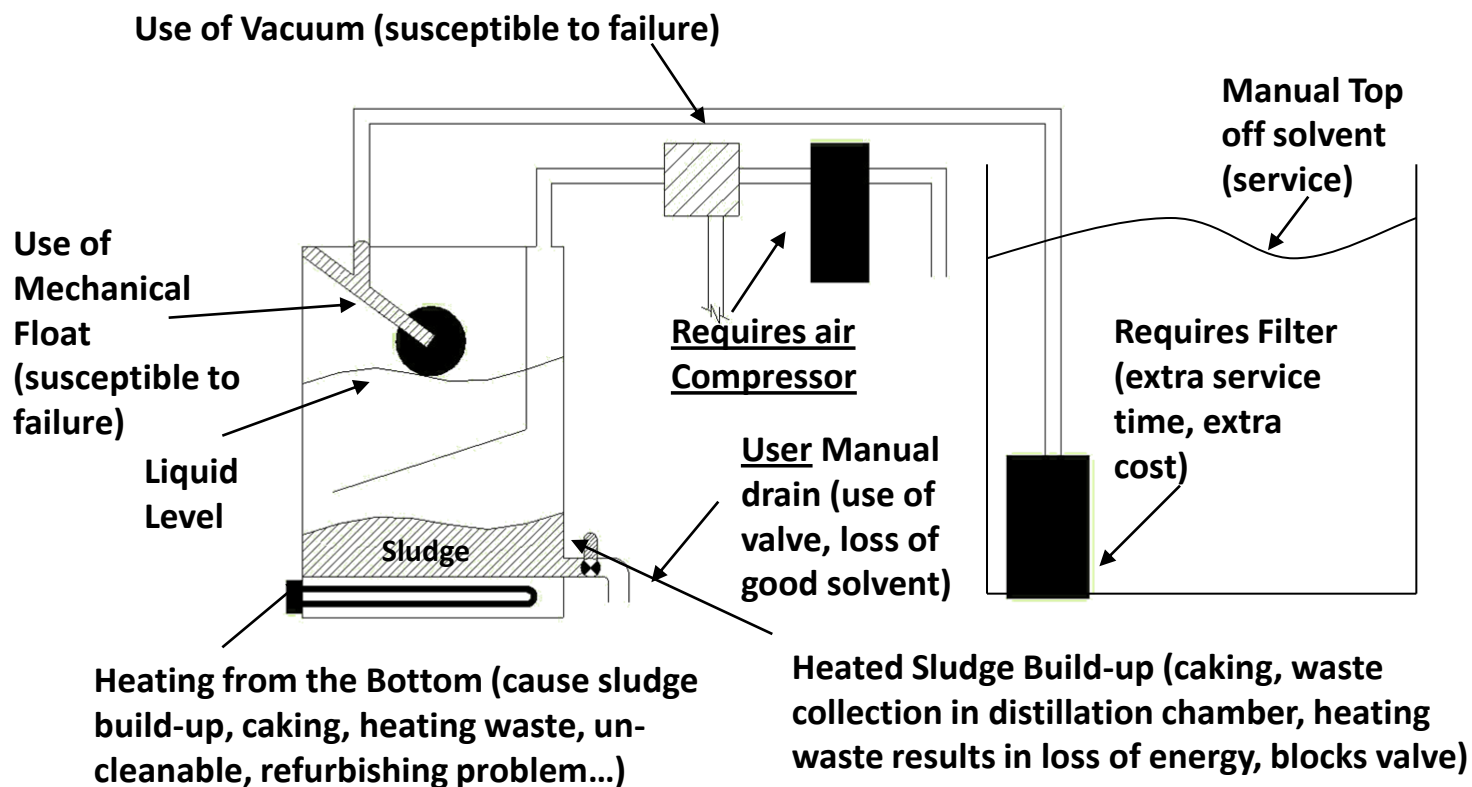
The Constant Clean vs. Others

Why it's Better

Constant Clean	Others
More Efficient: • 20 gallons per day solvent recovery	• 5 gallons per day
Costs Less to Use and Maintain • Costs less than \$.50 per day in electricity • Requires no air • Waste drained rarely	• Heating element always on • Require significant air to keep vacuum • Need to be drained daily, losing valuable solvent
Easier to Use • Press start on installation and never touch again (except to drain every 6 – 12 months) • Waste collected automatically; solvent topped off automatically	• Need to be maintained and drained on a daily basis or will not work properly • Operator has to manually start the recycling process
More Flexible • Attaches to any parts washer (saves money on the investment you have already made) • Works with multiple parts washers (easily moved around) • Works with vat parts washers	• Parts cleaner and recycler in one (have to purchase both) • Cannot be used with multiple units • Does not work with vat parts washers
More Reliable • No moving parts to break down • No operator intervention required to keep it working	• Filters that clog, vacuum pumps that fail, valves that get blocked, etc. • Need to be drained daily or will not function

Problems with the Others

- Not only does the Constant Clean recover 4x the amount of solvent at half the cost, but there are also significant technical limitations with other recyclers





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