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ChemChamp

CC2000

Solvent Recovery System

Installation & Operators Manual

December 1, 2009

Introduction:

The purpose of this machine is to automate the process of recycling on site in order to reduce the burden of user intervention usually associated with solvent recovery. The machine was designed to clean solvent as it is being used to prolong the solvents life cycle. By increasing your solvent's lifespan, you can ultimately reduce solvent replacement costs.

Featured Highlights:

- *No interruption:* Solvent can be used while the unit is recycling
- *Availability:* Makes "Day 4" solvents accessible anytime
- *Compatibility:* Works with 105 and 150
- *Elongated service term:* Since the solvent will be used for much longer, fewer service trips will be needed for a particular location
- *Small Footprint:* Takes up approximately 2 square feet of floor space
- *Easy Installation:* Fill the machine up once, and turn it on
- *Bag less* – Unit does not require recovery bags

Safety Considerations:

- Users must wear applicable safety gear and take appropriate precautions when working with hazardous materials
- Consult the material safety data sheets (MSDS) for the chemicals if unsure about proper handling procedures
- Only use solvents that have a **flashpoint greater than 100 degrees Fahrenheit**
- Unplug the power cord from the wall outlet before beginning maintenance or before opening the case of the unit for any reason
- Abide by any regulations set by your local authorities
- Nitrocellulose should never be distilled in this unit
- Ensure that the appropriate amount of solvent is in the parts washer as indicated in the installation and operator's manual
- **DO NOT** operate CC2000 if any temperature probe (1, 2 or 3) is disconnected from the electronics, and/or if any temperature probe (either of two probes located on the element, and/or the one located on the condensing tube) is incorrectly installed on the unit
- **DO NOT** operate CC2000 if the ground wire is disconnected from the element or disconnected from the electronics

Tools Required for Installation:

- One adjustable wrench

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Installation:

Before operating the Constant Clean, please verify that the waste you would like to recover is approved for use with this unit. Have a material safety data sheet (MSDS) on hand and contact your service plan provider to ensure chemical-compatibility with the CC2000.

Prepare the parts washer

1. Ensure that the parts washer has been properly installed by reviewing its instruction manual.
2. Clear about 2 feet of available space on the left side of the parts washer that will not be needed for other purposes.
3. Place the Constant Clean in the space allocated in the previous step as shown in Figure 1 (Place CC2000 close enough that the input/output tube can reach the dirty drum).



Figure 1: CC2000 besides parts washer

CC2000 Setup and Priming

1. Remove the brass plug from the ball valve located at the end of the priming/drain tube (at the end of the hose located at the bottom of the unit) as shown in Figure 2.
2. Place input/output tube into the parts washer sink (hose which is attached to the back of the unit) as shown in Figure 3.

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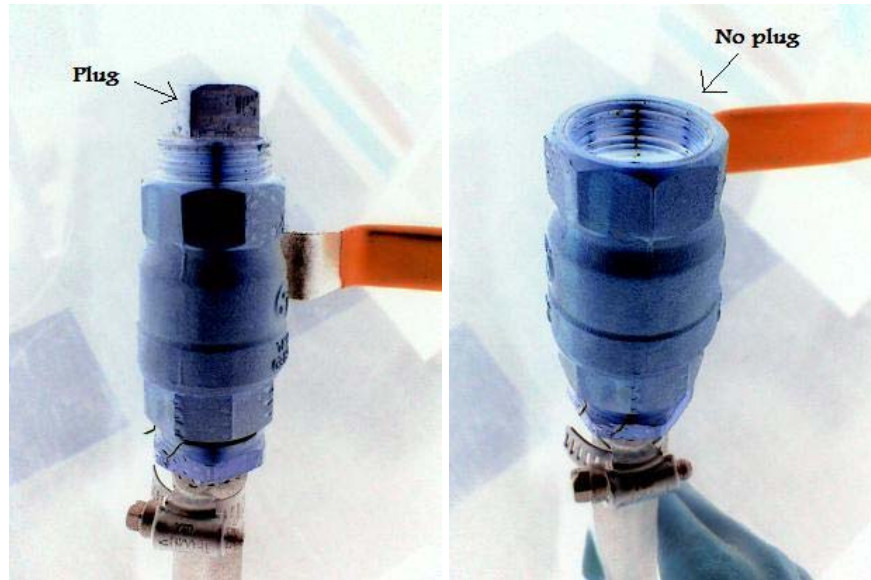


Figure 2: Before and after removing brass plug from priming/drain tube

3. Connect the ball valve to the parts washer spout as shown in Figure 3.

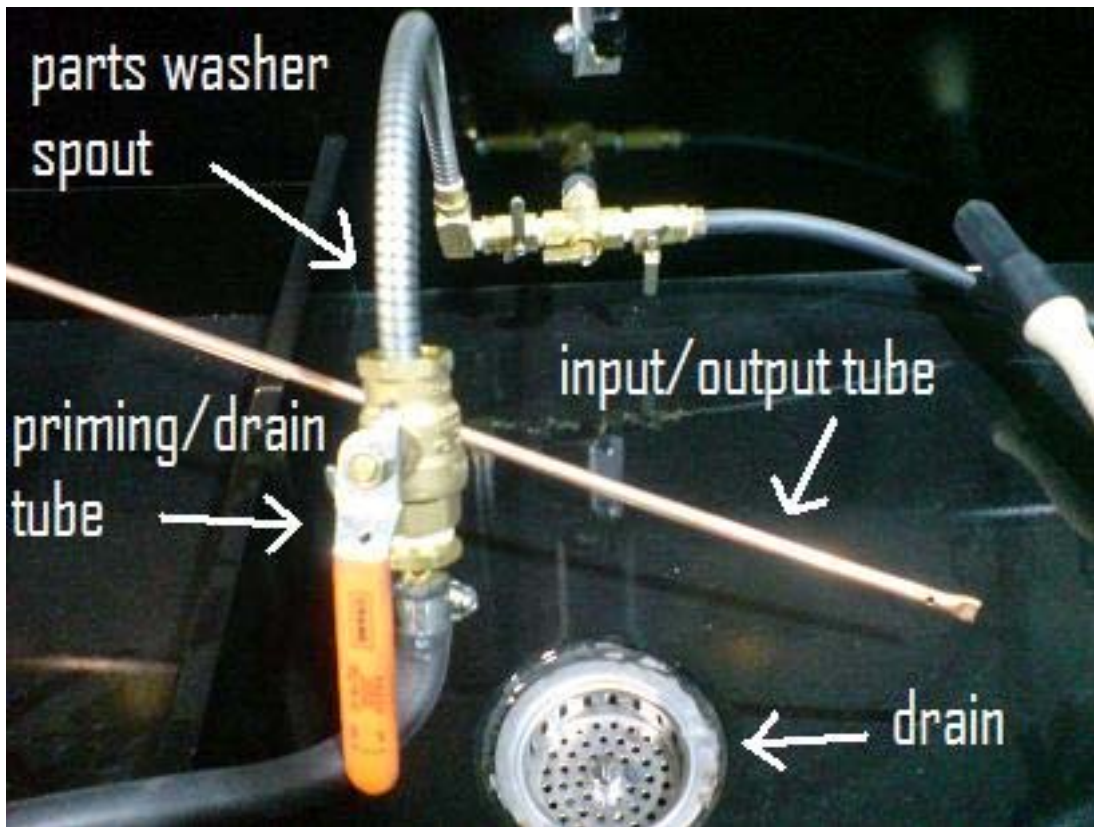


Figure 3: Parts washer spout on priming/drain tube and input/output tube inside parts washer sink

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4. To prime the unit, open the ball valve and turn ON parts washer until liquid comes out of the input/output tube (try to keep the spout/valve connection above the height of the CC2000).
5. Turn the parts washer OFF, close the ball valve at the end of the priming/drain tube, and thread the brass plug back to its original position.
6. Place input/output tube into the parts washer drum all the way down to the bottom as shown in Figure 4.

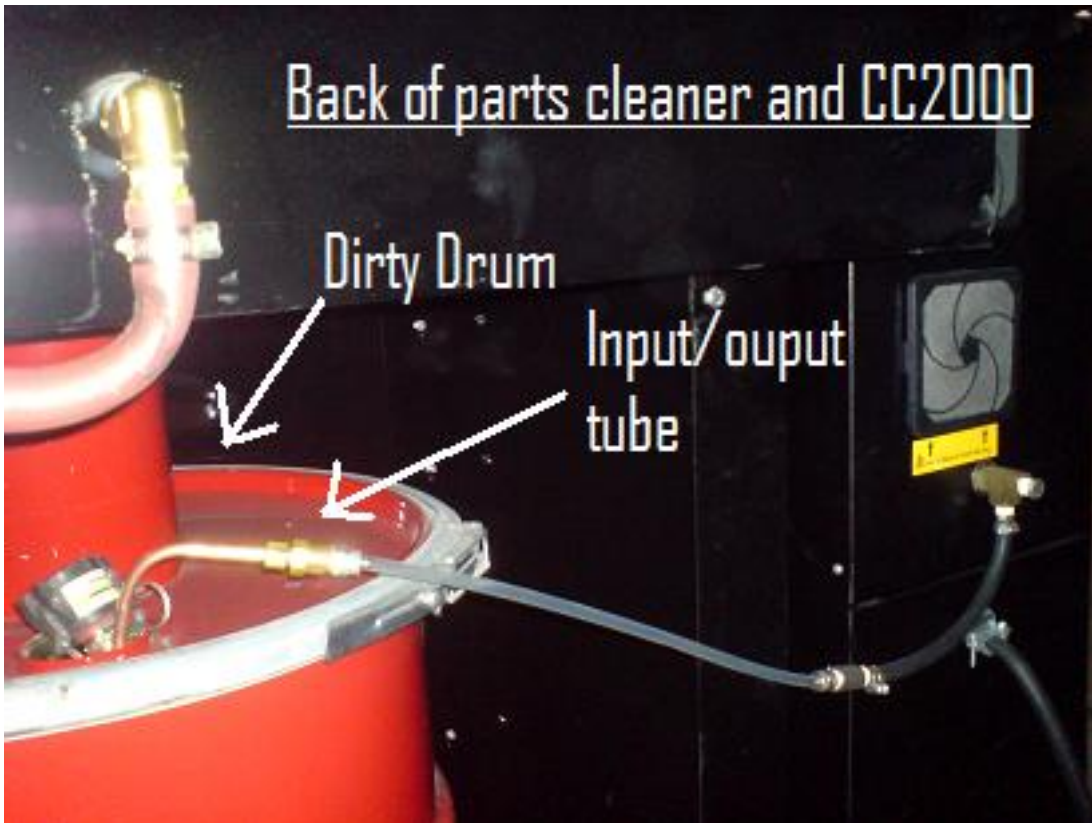


Figure 4: The input/output tube placed inside the dirty drum shown picture taken from behind the parts cleaner and the CC2000.

7. Plug recycler unit into a 110 volt outlet.
8. Turn switch in the ON position to start the recycler unit.

Moving Recycler unit from one parts washer to another

1. Put the switch in the OFF position.
2. Once the first green light is ON solid (not flashing), the unit can be moved (this can take several hours after a unit heats up).
3. Unplug the unit.
4. Lift the input/output tube from the parts washer drum.
5. Use the handle to tilt the unit back and push it to the desired location.
6. Follow the installation procedures.

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Description of Lights:

- ROOM TEMP (green) On if CC2000 temperature is below 150°F
Off if CC2000 temperature is above 150°F
Flashing if CC2000 is cooling down and above 150°F

- PROCESSING /COOLDOWN (amber/yellow) On if CC2000 is recycling with element on
Flashing if CC2000 is recycling but with element off
Off if CC2000 is not recycling

- WASTE FULL (red) On there is an error with the unit

*All three lights flashing sequentially indicates that there is an error with the unit, and that you are to call 1-800-894-0688 for ChemChamp technical assistance.

Specifications:

Model	CC2000
Voltage	120 V
Amperage	11.98 amps
Maximum Element Temperature	Low Boiler: 532°F High Boiler: 675°F
Dimensions	16.25"x29.5"x43.5"
Weight	100lbs (approx.)